

Microbiology solutions from Avantor

01. GRANULATED & READY TO USE
CULTURE MEDIA

02. EQUIPMENT & INSTRUMENTS

04. SAFETY

03. CONSUMABLES

05. SERVICES



Welcome to Avantor's guide to microbiology products

Avantor offers a complete portfolio for the microbiology workflow. From sample collection to analysis and storage! This publication is laid out in application-based chapters bringing all your needs together in one place.

Offering a broad range of dehydrated, granular and ready to use culture media, plus a wide choice of solutions for microbiological control, from sample preparation to the final identification of microorganisms, for different industries as well as the ever growing demands of life sciences.

From microbial monitoring of air and surfaces to testing of sterile and non sterile pharmaceuticals and the detection of food pathogens, Avantor recognises the need to support all microbiologists.

Discover and explore the complete microbiological range on our dedicated microbiology webpage [@vwr.com](https://www.vwr.com) for the latest updates, selector guides and products to make your life easier!

Learn more



Table of contents

01

SAMPLE COLLECTION & STORAGE

Air sampling
Pages 4-5

Hygiene monitoring of surface and air
Pages 6-9

Solids and liquids
Pages 10-17

02

SAMPLE PREPARATION

Weighing
Pages 18-21

Diluting and dosing
Pages 22-25

Homogenisation
Pages 26-30

Nucleic acid purification kits and reagents
Pages 31-36

Centrifugation
Pages 37

03

CULTIVATION

Microbiology culture media
Pages 38-70

Petri dishes
Pages 71-72

Loops and spreaders
Pages 71-75

Incubators
Pages 76-77

04

RAPID ANALYSIS

Rapid microbiological testing
Pages 78-79

05

ANALYSIS

Microscopy
Pages 80-81

Colony counters
Pages 82-84

06

STERILISATION & CLEANING

Autoclaves
Pages 85-86

Waste disposal and autoclave bags
Pages 87-89

07

SAFETY & CLEANING

Goggles
Pages 90-94

Lab coats
Pages 95-104

Masks
Pages 105-106

08

SERVICES

Pages 107



AIR SAMPLERS, SAS SUPER IAQ, VWR®

The SAS Super IAQ provides the same efficiency as recorded by sampling tests conducted by Centre for Applied Microbiology & Research (CAMR-UK).

- Microbiological air monitoring solution for agri-food and environmental operators
- Includes all accessories required for microbiological air sampling
- Easy to use and time saving, low operating cost solution

Designed specifically for the Indoor Air Quality (IAQ) sector, this SAS Super instrument is lightweight and durable and able to operate in any environment, therefore, suitable for environmental hygienists and agri-food sector operators.

Supplied with aluminium aspirating head for Petri dishes (Ø 90 mm) or contact plates (Ø 55 mm), battery charger, remote control and soft carrying case.

Sampling head	Aluminium
Power	220 V / 50 Hz
WxDxH	105x110x290 mm
Weight	1,75 kg
Airflow rate	100 L/min

Description	Model	Pk	Cat. No.
Sampler for contact plates	SAS Super IAQ	1	710-0868
Sampler for Petri dishes	SAS Super IAQ	1	710-0919

Description	Pk	Cat. No.
Single-use heads for air samplers, SAS Super		
Sterile heads for Ø 55 mm contact plates	40	710-0890
Sterile heads for Ø 90 mm Petri dishes	40	710-0891
Heads for contact plates (55 mm)		
Aluminum aspirating head for Ø 55 mm contact plates	1	710-0892
Heads for Petri dishes (90 mm)		
Aluminium head and adapter for standard Ø 90 mm Petri dishes	1	710-0879
Aluminium head for standard Ø 90 mm Petri dishes (without adapter)	1	710-0886
Accessories for SAS super, VWR®		
Adapter for Petri dishes Ø 90 mm	1	710-0882
Aluminum carrying case	1	710-0875
Stainless steel floor tripod for cleanrooms, extendable from 1000 up to 2000 mm high	1	710-0889
Stainless steel holder for table and wall	1	710-0963
Telescopic floor tripod, extendable up to 2800 mm high	1	710-1857
Accessories		
SAS Super and ISO-USB battery charger	1	710-0993

VWR® Surface Air System (SAS) monitoring instruments

Visit vwr.com to find more information on VWR® Surface Air System (SAS) monitoring instruments or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE



PB-tocome



Air sampler

AIR SAMPLERS, SAS SUPER ISO USB, VWR®

SAS Super ISO 100 and SAS Super ISO 180 are differentiated by their airflow; this choice depends on the application, and allows continuous or sequential sampling from a few minutes to several hours. The data can be stored on the SAS instrument itself or on any remote PC.

- Design avoids turbulence in unidirectional airflow and re-aspiration of tested air
- Portable and easily positioned, they operate with long life, rechargeable batteries
- All manuals are available on a USB key in six languages
- Micro USB for data download and instrument configuration
- New Data Management in accordance to CFR 21 Part 11

Derived from the SAS instrument used on the International Space Station, the SAS Super ISO has been specifically designed for pharmaceutical and hospital sectors.

ISO 14698 and USP 1116 Pharmacopoeia.

For a complete system, please order the sampler you require, a battery charger (710-0993) and the appropriate head.

Sampling head	Aluminium, stainless steel or plastic (certified ready to use)
WxDxH	120x125x275 mm
Weight	1,8 kg

Description	Model	Airflow	Pk	Cat. No.
Air sampler using contact plates	SAS Super ISO USB 100	100 L/min	1	710-2088
Air sampler using contact plates	SAS Super ISO USB 180	180 L/min	1	710-2087
Air sampler using Petri dishes	SAS Super ISO USB 180	180 L/min	1	710-2089
Air sampler using Petri dishes	SAS Super ISO USB 100	100 L/min	1	710-2090

Description	Pk	Cat. No.
Single-use heads for air samplers, SAS Super		
Sterile heads for Ø 55 mm contact plates	40	710-0890
Sterile heads for Ø 90 mm Petri dishes	40	710-0891
Heads for contact plates (55 mm)		
Stainless steel aspirating head for Ø 55 mm contact plates	1	710-0880
Aluminum aspirating head for Ø 55 mm contact plates	1	710-0892
Heads for Petri dishes (90 mm)		
Aluminium head and adapter for standard Ø 90 mm Petri dishes	1	710-0879
Stainless steel head for standard Ø 90 mm Petri dishes (without adapter)	1	710-0878
Aluminium head for standard Ø 90 mm Petri dishes (without adapter)	1	710-0886
Accessories for SAS super, VWR®		
Adapter for Petri dishes Ø 90 mm	1	710-0882
Aluminum carrying case	1	710-0875
Downloading device for software	1	710-0971
Finished plate holder, 7 mm	3	710-1982
Soft carrying case	1	710-0896
Software for downloading data	1	710-0970
Stainless steel floor tripod for cleanrooms, extendable from 1000 up to 2000 mm high	1	710-0889
Telescopic floor tripod, extendable up to 2800 mm high	1	710-1857
Accessories		
SAS Super and ISO-USB battery charger	1	710-0993
Accessories for SAS super Isolator, VWR®		
Aspirating chamber for Petri dishes, Ø 90 mm	1	710-0948



CONTACT PLATES FOR SURFACE AND AIR CONTROL, IRRADIATED

Contact plates are ideal for monitoring microbiological contamination of surfaces and air (using an air sampler) inside cleanrooms, isolators, RABS (Restricted Access Barrier), the food industry and hospitals. Triple-wrapping ensures that the package itself does not contaminate the environment, as the first wrapper is removed just before entering a clean area. Plate packaging containing PCA is not irradiated.

- Plates packed in special triple-wrapped packaging with irradiation indicator
- Can use PET, transparent, reusable container to transport plates to the laboratory after sampling
- Special packaging to protect the product during transport and storage
- Available with TLHTh (Tween®, lecithin, histidine, thiosulphate) disinfectant neutralisers
- Available with certificate of irradiation/dosimetry
- VHP resistance studies available for all triple-wrapped plates

Contains 8x10 triple-wrapped packs with a total of 80 plates.
8 PET, transparent, reusable containers are included.

Description	Standards	Filling	Pk	Cat. No.
TSA TLHTh pyruvate contact triple-wrapped	Ph. Eur., USP, JP	13 ml	80	141114XI



Lockable contact plate for pharmaceutical industries

LOCKABLE CONTACT PLATE FOR PHARMACEUTICAL INDUSTRIES, VWR®

These contact plates, with triple-bagged sterile packaging and lockable lid, are ideal for environmental control of air, surfaces, gloves and overalls inside restricted areas like isolators and cleanrooms. The composition of the base culture medium complies with the recommendations of the current United States, European and Japanese Pharmacopoeia.

- The locking lid allows an easy locking of plates after sampling, adding security during transportation
- 9 month shelf life and room temperature storage ensure easy storage and the maintaining of culture efficiency for a long time
- A data matrix barcode allows identification of every plate used for environmental control
- The complete triple-bagged packaging is sterile to ensure that when entering a clean area it avoids microbiological contamination
- Neutralising agents included in the medium inactivate residual disinfectants that could reduce the real count of live microorganisms
- Different lid types available: Screw on or press on (see the videos for more details)

Description	Pk	Cat. No.
Press-on lid		
TSA plus neutralising contact	20	15203VS
SDA plus neutralising contact	20	15204VS
Screw-on lid		
TSA plus neutralising contact plate	30	C31114TI
TSA plus penase contact plate	30	C31114PY
SDA plus chloranfenicol contact plate	30	C30884CY
SDA plus neutralising contact plate	30	C30884TI



CONTACT PLATES, BLISTER PACKED, IRRADIATED

Available in two pack sizes - triple-wrapped (24 plate pack) and double-wrapped (30 plate pack). Plates are packed in a pack with six blisters. Each blister contains one plate, so every time you open a compartment you use only one plate. Available with TLHTh disinfectant neutraliser (Tween®, lecithin, histidine, thiosulphate).

- Triple-wrapping ensures that the package itself doesn't contaminate the environment, as the first wrapper is removed just before entering a clean area
- Available with certificate of irradiation/dosimetry
- VHP resistance studies available for all triple-wrapped plates
- Storage at room temperature

5×6 or 4×5×6 plate packs consist of 5 blister packs with an additional cellophane bag. 4×6 plate packs comprise of 4 blister packs with 2 additional cellophane bags. An irradiation indicator is featured on each blister.

Description	Standards	Filling	Pk	Cat. No.
Baird Parker agar blister double-wrapped	-	12 ml	30	250063UA
Baird Parker agar blister double-wrapped	-	12 ml	120	250063UAMP
Cetrimide agar blister double-wrapped	-	12 ml	30	250793ZI
MacConkey agar blister double-wrapped	-	12 ml	30	250641ZA
Malt extract agar blister double-wrapped	-	12 ml	30	250544ZI
Malt extract agar with chloramphenicol blister double-wrapped	-	12 ml	30	250542CA
Mannitol salt agar blister double-wrapped	-	12 ml	30	250560ZA
PCA blister triple-wrapped	EPA, ISO 4833	12 ml	24	270774ZI
PCA contact blister double-wrapped	EPA, ISO 4833	13 ml	30	250774ZI
PCA TLHTh blister double-wrapped	EPA, ISO 4833	12 ml	30	250774TI
PCA TLHTh blister triple-wrapped	EPA, ISO 4833	12 ml	24	270774TI
RBC agar blister double-wrapped	-	12 ml	120	250070ZIMP
Rose bengal chloramphenicol agar contact blister double-wrapped	-	13 ml	30	250070ZI
Sabouraud 4% dextrose agar contact blister double-wrapped	Harm Ph	13 ml	30	250884ZI
Sabouraud 4% dextrose agar contact blister TLHTh double-wrapped	Harm Ph	13 ml	30	250884TI
Sabouraud 4% dextrose agar contact blister TLHTh triple-wrapped	Harm Ph	13 ml	24	270884TI
Sabouraud 4% dextrose agar contact blister triple-wrapped	Harm Ph	13 ml	24	270884ZI
Sabouraud 4% dextrose Chloramphenicol agar blister double-wrapped	Harm Ph	12 ml	30	250884CY
Sabouraud 4% dextrose Chloramphenicol agar blister double-wrapped	Harm Ph	12 ml	120	250884CYMP
Sabouraud 4% dextrose chloramphenicol agar blister triple-wrapped	Harm Ph	12 ml	24	270884CY
TSA blister double-wrapped	Harm Ph	12 ml	120	251114ZIMP
TSA contact blister double-wrapped	Harm Ph	13 ml	30	251114ZI
TSA contact blister penase double-wrapped	Harm Ph	13 ml	30	251114PY
TSA contact blister penase TLHTh triple-wrapped	Harm Ph	13 ml	24	271114RY
TSA contact blister penase with neutralisers TLHTh double-wrapped	Harm Ph	13 ml	30	251114RY
TSA contact blister TLHTh triple-wrapped	Harm Ph	13 ml	24	271114TI
TSA contact blister triple-wrapped	Harm Ph	13 ml	24	271114ZI
TSA contact blister with neutralisers TLHTh double-wrapped	Harm Ph	13 ml	30	251114TI
TSA penase blister double-wrapped	Harm Ph	12 ml	120	251114PYMP
TSA penase TLHTh blister double-wrapped	Harm Ph	12 ml	120	251114RYMP
TSA with cycloheximide blister double-wrapped	Harm Ph	12 ml	30	251114AF
TSA with cycloheximide blister double-wrapped	Harm Ph	12 ml	120	251114AFMP
TSA with neutralisers TLHTh blister double-wrapped	Harm Ph	12 ml	120	251114TIMP
TSA with neutralisers TLHTh blister double-wrapped	Harm Ph	12 ml	30	251114SI
TSA with neutralisers TLHTh blister double-wrapped	Harm Ph	12 ml	120	251114SIMP
VRB agar blister double-wrapped	-	12 ml	30	251183ZA
VRB agar blister double-wrapped	-	12 ml	120	251183ZAMP
VRBG agar contact blister double-wrapped	ISO 5552	13 ml	30	251203ZA
VRBG-TLHTM blister double-wrapped	ISO 5552	12 ml	30	251203TA
VRBG-TLHTM blister double-wrapped	ISO 5552	12 ml	120	251203TAMP



CONTACT PLATES, BLISTER

The range is manufactured from high quality raw materials. All culture media are manufactured using selected dehydrated bases, and comply with the requirements of ISO 11133 (food microbiology). Manufactured under GMP, the media is produced using the latest technology and is subject to strict quality controls carried out by qualified microbiologists.

- Packed under cleanroom conditions to avoid contamination
- Storage at 2 to 8 °C
- Manufactured under GMP with formulations that follow specifications of the various Pharmacopoeias and ISO regulations

Description	Filling	Pk	Cat. No.
M-CP agar	12 ml	12	221400ZA
Total colony count with neutralisers	16,5 ml	40	AX061105
Total count	16,5 ml	40	AX061101
VRB agar	16,5 ml	40	AX061104
Yeast and mould	16,5 ml	40	AX061102



CONTACT PLATE WEIGHT APPLICATOR, CONTACT WEIGHT

Used in combination with contact plates, the contact weight enables the standardisation of microbiological surface control between operators. It applies the same constant pressure for a pre-set time on a contact plate. This ensures results are directly comparable. The contact weight meets the ISO 18593 standard, and has a sterilisable stainless steel base and pull-out digital timer.

- Dry heat or steam sterilisable stainless steel base, with pull-out digital timer
- Can be used with different types of contact plates
- According to ISO 18593
- Weight: 500 g

Description	Pk	Cat. No.
Contact plate applicator, Contact Weight	1	710-0961



SURFACE SAMPLING SPONGE KITS

Surface sampling sponges in two forms: Dry sponge sterile sampling bag with write-on strip, containing a dry, biocide-free cellulose sponge, or wet sponge sterile sampling bag, with a foil-sealed, pre-moistened cellulose sponge, and 10 ml of sterile neutralising buffer.

- Sterilised using gamma irradiation and leakproof transport bags, for the rapid cooling of samples in refrigerators
- Puncture-proof safety bags eliminating sharp points that can cause puncture and/or abrasions
- Larger surface in comparison with normal sampling swabs

This surface sampling sponge kit is designed to collect and transport samples, to detect the presence of microbiological contaminations such as *Listeria*, *Salmonella*, *E. coli*, and other food-borne pathogens on almost any surface. These kits are widely used in the food, medical, public health and cosmetic industries.

HACCP, USDA, ACIA and CFIA requirements.

Gloves should be worn during all sampling procedures.

Description	Pk	Cat. No.
Sampling sponges with buffer	100	300-0229
Dehydrated surface sampling sponges in a 450 ml bag with gloves	400	710-0860
Dehydrated surface sampling sponges in a 450 ml bag	400	710-1020
Surface sampling sponges pre-moistened with neutralising buffer	100	300-0230
Surface sampling sponges pre-moistened with Dey/Engley neutralising buffer	100	300-0231
Sterile transport bags and surface sampling sponges with handle pre-moistened with neutralising buffer	100	300-0232
Sterile transport bags and surface sampling sponges with handle pre-moistened with Dey/Engley neutralising buffer	100	300-0240



IGIENTEST HACCP, VWR®

A simple, quick test for hygiene control of work surfaces. Application fields: Food industry, catering, dairy industry, health authorities and HACCP consultants. A colorimetric scale to interpret the results is printed on each tube. The comparison between the solution colour and the colorimetric scale confirms if the surface is clean or dirty. It's enough to streak the wet swab on a surface, and to insert it into the tube. Break the glass vial contained in the tube by using the clamp. At the end of the test the tube can be disposed of as normal waste. Room temperature storage.

- Quick - results in only 10 minutes
- Simple to use
- Easy interpretation

Description	Pk	Cat. No.
Igientest HACCP surface hygiene monitoring test	50 Tests	710-0895
Clamp to break the glass vials	1	710-0904

Ultra-low temperature freezers

Ultra-low temperature freezers provide very safe and reliable long-term storage of biological samples. Applications can be found in clinical research for therapeutics, vaccine storage or cancer research and blood banking.

MORE
DETAILS





SAMPLING KIT FOR FOOD INDUSTRIES, VWR®

Strong plastic briefcase with various sampling tools for food products, animal feed and water.

- Solid and stable case
- All disposable accessories required are available

Suitable for powdered, liquid, solid, pasty, soft, creamy, frozen and granular samples.

Includes sampling tools for food industries: Ice sampler (300-0165), frozen sampler (300-0164), conical sampler for solids (300-0291), liquid sampler (300-0173), sampling lance (300-0163), powder sampler (300-0166), cylindrical sampler for solids (300-0171), multisector probe 560 mm in aluminium – separated sectors (300-0170), thermometer metal probe 10 event record (620-2343), Ellipso-spoon sampler stainless steel, 18 cm (BELAH368060018), Ellipso-spoon sampler stainless steel, 40 cm (BELAH368090040), stainless steel spatula wooden handle 30×200 mm.

Description	Pk	Cat. No.
Sampling kit, 510×400×130 mm, 6,2 kg	1	300-0162

Description	Pk	Cat. No.
Accessories		
Sampling lance	1	300-0163
Sampler with 3 separated sectors (378 g)	1	300-0170

SAMPLING SPOONS

PS, white. These disposable spoons are produced in a cleanroom environment and sterilised by gamma radiation. They are ideal for sampling powder, granules and pastes.

- Available in two different sizes: 2,5 ml (similar to a teaspoon) and 10 ml (similar to a tablespoon)
- Production, assembly and packaging according to cleanroom Class 7 (10000)
- According to EU food and FDA guidelines
- Individually packed, sterilised by gamma radiation

Length (mm)	Capacity (ml)	Pk	Cat. No.
127	2,5	100	231-0493
170	10	100	231-0494



SAMPLING SCOOPS

PS, white. These sterile scoops are ideal for sampling powder, granules and pastes.

- Individually packed
- Sterilised by gamma radiation

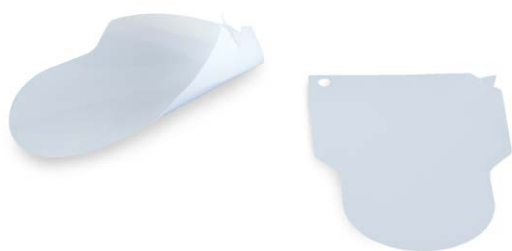
Thanks to the special handle construction, and the slightly angled edge, the scoop stands horizontally and can be laid down without the material trickling out.

Production, assembly and packaging according to cleanroom Class 7 (10000). According to EU food and FDA guidelines.

*The product(s) below are outside the scope of the EU Directive 2019/904



Capacity (ml)	Length (mm)	Colour	Pk	Cat. No.
25	141	White	100	231-0622
50	161	White	100	231-0490
100	205	White	100	231-0623
150	216	White	100	231-0491
250	232	White	100	231-0624
500	280	White	100	231-0625



DUAL-PURPOSE SCOOPS, STERILE AND NON STERILE

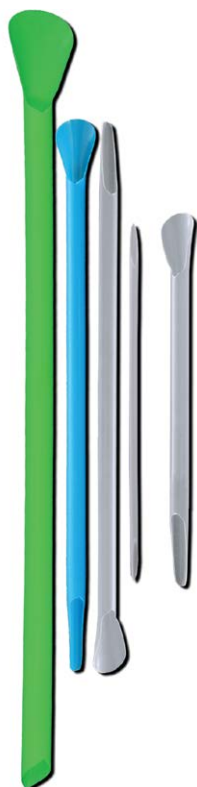
The dual-purpose scoops are a unique economical solution that combines the function of a scoop and a weighing boat into one product. They are made from anti-static polystyrene that is waterproof and reduces the chance of materials sticking to the scoop.

- Ships and stores flat, and when ready to use, is easy to assemble by inserting the locking tab into the hole
- Locking tab feature enables the scoop shape to help retain materials
- Broad tip design keeps the scoop stable while on the scales and enables materials to be easily scooped and dispensed
- Coated to stand up to powders, gels and semi-solids
- Scoop can be used flat as an alternative to weighing paper
- Electron beam sterilised scoops are ideal for biologically-sensitive applications

The weighing process has been streamlined, now just sample or retrieve the material in the scoop and place it directly on the scales. This eliminates the need for a weighing boat or weighing paper, and saves valuable space in the laboratory. When finished the dual-solution scoop is disposable.

Certificate of Sterility available upon request for sterile scoops. The dosage requirements for electron beam sterilisation that results in sterilised products is determined by procedures that are compliant with ISO 11137-3:2017.

Type	Length (mm)	Width (mm)	Sterile	Colour	Pk	Cat. No.
Small	127	63	-	White	100	611-4350
Large	127	90	-	White	100	611-4349
Small	127	63	+	Black	100	611-4671
Large	127	90	+	Black	100	611-4670



DISPOSABLE SPATULAS

PP. Multi-purpose, robust, inexpensive tools for collecting, transferring and processing samples of chemical and biological materials.

- Resistant to dilute acids and alkalis
- Reduces cross-contamination
- Autoclavable

The innovative shape of these spatulas allows them to be used as a spatula, spoon, scoop, scraper, mixing rod or for wiping. Ideal for recovering samples that have been frozen in liquid nitrogen. The macro type disposable spatula is 50% larger than the standard disposable spatula. The long shaft makes it easier to transfer material from larger containers.

Compliant with FDA standards for applications involving contact with food.

Description	Sterile	Length (mm)	Blade width (mm)	Colour	Pk	Cat. No.
Micro disposable spatulas, anti-static		140	3	Natural	300	231-0106
Disposable Eco spatulas, biodegradable (EcoPure® additive)		140	7	Natural	300	231-0416
Standard disposable spatulas		210	7	Blue	300	231-0103
Standard disposable spatulas		210	7	Opaque	300	231-0104
Sterile disposable spatulas	+	210	7	Natural	100	231-0369



DRESSING FORCEPS, ABS, VWR®

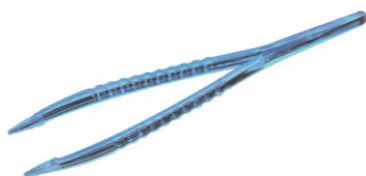
Made of ABS (acrylonitrile butadiene styrene), purple.

- Temperature resistance: –15 to +50 °C
- Available in sterile or non sterile versions
- EO sterilisation: Meets minimum requirement of SAL 10⁻⁶ (ISO 11137)

Shelf life: Expiration date is based on product and packaging shelf life, providing the product wrapper is not damaged.

Meets the requirements of BSE/TSE. Manufactured under the ISO 13485 standard.

Type	Length (mm)	Colour	Thickness (mm)	Width (mm)	Packed	Pk	Cat. No.
Non sterile	110	Purple	1,5	9,9	100 per bag	100	232-0218
Sterile	110	Purple	1,5	9,9	Individually packed	100	232-0219
Non sterile	130	Purple	1,6	13	100 per bag	100	232-0220
Sterile	130	Purple	1,6	13	Individually packed	100	232-0221



FORCEPS

PS, translucent blue.

- Combines high mechanical strength, flexibility and chemical resistance
- Available in sterile (individually wrapped) and non sterile versions

Type	Length (mm)	Packed	Pk	Cat. No.
Sterile	120	Individually wrapped	100	232-0191
Non sterile	120	30 bags of 50	1.500	232-0192



MULTI-SECTORED SAMPLERS, VWR®

Multi-sectored samplers for sampling powders, pellets and friable materials, which may become non homogeneous in bags at various levels. The models with separate sections are mainly used for chemical or physical analysis; models with communicating sections are used for microbiological analysis.

- Penetrating tip in stainless steel for all models

Suitable for collecting cereals, grains, seeds and rice from trucks, bulk containers and silos - made from anodised aluminium or stainless steel.

Method of use: The T handle is turned to close the cells and the steel point is inserted through the bag wall or the commodity. When the sampler is deep enough to cover the different sectors, the handle is turned a half turn to allow samples to enter and then returned to the original position. The sampler is then removed and the different samples placed into containers for analysis.

Description	Material	Capacity (ml)	Length (mm)	Ø (mm)	Pk	Cat. No.
Sampler with 3 separated sectors (378 g)	Aluminium	20	560	20	1	300-0170
Sampler with 3 separated sectors (618 g)	Aluminium	25	860	20	1	300-0168
Sampler with 3 comunicant sectors (296 g)	Aluminium	44	550	20	1	300-0169
Sampler with 3 comunicant sectors (434 g)	Aluminium	73	860	20	1	300-0167
Sampler with 3 separated sectors (1011 g)	Stainless steel	20	560	20	1	300-0292
Sampler with 3 separated sectors (1655 g)	Stainless steel	20	860	20	1	300-0293



SAMPLING LANCE, VWR®

Needle sampler suitable for collecting powdered milk, flour, sand and cement in dairy, food, feed and chemical industries.

- AISI 316L electropolished stainless steel
- Aluminium handle
- Sterilisable

Method of use: The sampler is placed into the product to be sampled and then transferred to a container.

Description	Material	Length (mm)	Ø (mm)	Pk	Cat. No.
Sampling lance	Aluminium/stainless steel	480	28	1	300-0163



BAGS, ZIP-SEAL

Zip bags in LDPE, for storage and transportation of solid samples, tubes, spare parts and documents, available with and without write-on panel.

- Quick sealing with guide tracks on the pressure seal
- Transparent PE for easy identification of the contents
- Can be resealed repeatedly, flexible and tear-proof

100/bag, 10 bags/case.

LxW (mm)	Pk	Cat. No.
Single pocket		
60x40	1.000	129-0293
80x60	1.000	129-0294
100x70	1.000	129-0309
120x80	1.000	129-0295
150x100	1.000	129-0296
170x120	1.000	129-0297
220x160	1.000	129-0298
250x180	1.000	129-0299
300x200	1.000	129-0306
350x250	1.000	129-0307
400x300	1.000	129-0308
Single pocket, sterile with writing area		
300x200	1.000	129-0325



BAGS, TWIST-SEAL

LDPE bags with safety tabs, manufactured and packed in sterile conditions.

- Provides a secure, contaminant-free, flexible container that ensures dependable analytical results
- RNase-, DNase-, pyrogen- and BPA-free
- Offers an economical and efficient way to collect, contain and carry samples
- Wire tab keeps bag open for filling
- Unique double fold-over system provides a temporary leakproof seal

Universal use, for samples such as food, liquid, grain, petroleum products, animal material, waste and soil. Suitable for environmental sampling (surface samples), carcass sampling, biomedical and pharmaceutical research, quality assurance procedures (QA/QC), food industry applications, also clinical and veterinary medicine.

The opaque bag is used in the food, pharmaceutical and environmental industries. The black resin is a total light barrier that protects photo-sensitive substances, such as vitamins, chemicals and pharmaceuticals, or food supplements, plant extracts and biological tissue.

Capacity (ml)	Thickness (µm)	LxW (mm)	Pk	Cat. No.
Closure with 2 round wires, without write-on panel				
60	63	76x127	500	129-9021
130	63	76x178	500	129-9022
355	63	114x190	500	129-9813
450	63	114x229	500	129-9814
800	63	114x305	500	129-9809
1200	63	114x382	500	129-9810
Closure with 2 round wires, with write-on panel				
1650	76	178x305	1.000	129-9029
Closure with 2 round wires, without write-on panel				
650	76	140x229	500	129-9816
1500	76	140x382	500	129-9815
Closure with 2 round wires, with write-on panel				
60	63	76x127	500	129-9023
130	63	76x178	500	129-9884
450	63	114x229	500	129-9885
800	63	114x305	500	129-9817
650	76	140x229	500	129-9886
1650	76	178x305	250	129-9887
Closure with 1 round and 1 flat wire, without write-on panel				
130	63	76x178	500	129-9019
450	63	114x229	500	129-9803
800	63	114x305	500	129-9801
1200	63	114x382	500	129-9802
650	76	140x229	500	129-9805
1080	76	140x305	500	129-0417
1500	76	140x382	500	129-9804
1650	76	178x305	250	129-0418
2250	101	254x305	250	129-0010
4000	101	254x382	250	129-0011
Closure with 1 round and 1 flat wire, with write-on panel				
130	63	76x178	500	129-9020
450	63	114x229	500	129-9807
800	63	114x305	500	129-9806
650	76	140x229	500	129-9808
1650	76	178x305	1.000	300-0107
2250	101	254x305	250	129-0012
4000	101	254x382	250	129-0013
Jumbo type, strong, with 2 flat wires, without write-on panel				
3000	101	305x305	250	129-9024
4250	101	305x356	250	129-9025
5500	101	305x406	250	129-9026
6750	101	305x457	250	129-9027
8000	101	305x508	250	129-9028
10500	101	305x610	250	129-1161
13000	101	305x711	250	129-1162
15000	101	382x610	250	129-9800
Opaque bag: closure with 2 round wires, with write-on panel				
450	63	114x229	500	129-9870



DOUBLE-POUCH, STERILE, TWIST-SEAL BAGS FOR CLEANROOM APPLICATIONS

PE bags, transparent. These sterile sampling bags provide a secure, contaminant-free pliant container that ensures dependable analysis results. Economical and efficient way to collect, contain and carry samples. With these bags, the user can bring sterile sampling bags into a cleanroom without any worries about contamination. The bags are double-pouched so the user can remove the outer bag before entering the cleanroom, which minimises the number of bags exposed.

- The bags are sterilised inside and out by gamma irradiation
- Sterility certificate in every box
- Lot number traceability for every product
- Maximum opening facilitates inserting samples into the bag
- Easy pull tabs to open the bag without risk of contaminating the interior of the bag
- Bags accommodate solids, semi-solids and liquids
- Free from RNase, DNase, pyrogen and BPA

NF ISO 14644-1, ISO 14698, ISO 14644

Capacity (ml)	Thickness (µm)	LxW (mm)	Packed	Pk	Cat. No.
Safety tabs - clear - closure with 2 round wires					
800	63	114x305	40 pouches of 25 bags	1.000	129-9889
650	76	140x229	40 pouches of 25 bags	1.000	129-9000
1500	76	140x382	40 pouches of 25 bags	1.000	129-9001
1650	76	178x305	40 pouches of 25 bags	1.000	129-9002
Safety tabs - printed - closure with 2 round wires					
800	63	114x305	40 pouches of 25 bags	1.000	129-9003
1500	76	140x382	40 pouches of 25 bags	1.000	129-9005
1650	76	178x305	40 pouches of 25 bags	1.000	129-9006
Safety tabs - clear - closure with 1 round wire and 1 flat wire					
650	63	140x229	40 pouches of 25 bags	1.000	129-9007
650	101	140x229	40 pouches of 25 bags	1.000	129-9008
1080	76	140x305	40 pouches of 25 bags	1.000	129-9890
1650	76	178x305	40 pouches of 25 bags	1.000	129-9009
1650	101	178x305	40 pouches of 25 bags	1.000	129-9010
2250	101	254x305	40 pouches of 25 bags	1.000	129-9011
4000	101	254x382	40 pouches of 25 bags	1.000	129-0665
Safety tabs - printed - closure with 1 round wire and 1 flat wire					
650	101	140x229	40 pouches of 25 bags	1.000	129-9013
1080	76	140x305	40 pouches of 25 bags	1.000	129-9014
1650	76	178x305	40 pouches of 25 bags	1.000	129-9015
1650	101	178x305	40 pouches of 25 bags	1.000	129-9016
4000	101	254x382	40 pouches of 25 bags	1.000	129-9018



BAGS, BLUE TWIST-SEAL

This line of blue twist-seal printed bags, with safety tab and two round wires, has been specifically designed for food industry. The bags accommodate solid, semi-solid and liquid compounds.

- Blue tear-off for increased visibility
- Distinct colour avoids possible foreign matter contamination
- Visual recognition of the product, but can also be used to segregate within a factory environment
- Made from virgin PE
- Optimised opening area to facilitate insertion of sample
- Lot number traceability
- Bags accommodate solid, semi-solid and liquid compounds
- All sterile sampling bags are also free from RNase, DNase and pyrogens

Food contact approved.

Capacity (ml)	Thickness (µm)	Size (mm)	Packed	Pk	Cat. No.
450	63	114x229	2x500	1.000	129-9608
650	76	140x229	2x500	1.000	129-9609
1650	76	178x305	4x250	1.000	129-9614



Self-standing sample bags

STAND-UP SAMPLE BAGS, WITH CLOSURE

These stand-up bags are meant for jobs where two hands are required.

- Gamma sterilised
- Maximum bag mouth opening to facilitate insertion of sample
- Tear-off top which ensures internal sterility, eliminating the risk of internal contamination

The gusseted bags stand up by themselves without the necessity of a rack or stand. The combination of the flat bottom and the wire closure offers a bag that stands by itself and remains open until the sample has been poured in.

Sterility confirmation documentation available in every box.

Description	Capacity (ml)	Thickness (µm)	L×W (mm)	Pk	Cat. No.
Stand-up bag, printed, with 2 round wires closure type	400	101	229×114	250	129-1472
Stand-up bag, printed, with 2 round wires closure type	710	101	229×150	250	129-1473



Stand bags

BAG RACK FOR BLENDER BAGS, VWR®

This bag rack is used for batch preparation of samples prior to blending as well as sample storage after blending.

- Bags are temporarily sealed using closure clips and are then suspended in the bag rack support slots
- It can store up to 10, 400 series blender bags

The rubber feet keep it very stable on the counter top and the bottom basin can easily hold 400 ml of liquid in case of a mishap. The bag rack fits in most incubators and is autoclavable as well.

Description	Compartments	Pk	Cat. No.
Bag rack, stainless steel	10	1	129-1474



STRAIGHT SAMPLE CONTAINERS, WITH SCREW CAP

PP, clear, with LDPE screw cap.

- Excellent chemical and thermal resistance
- Available sterile or packed under aseptic conditions
- Four volumes are available: 40, 60, 125 and 180 ml

Straight walled containers for sample collection, storage and transport. Twist closure with leakproof inner lip for quick opening and closing. Screw caps assembled.

*The product(s) on this page are outside the scope of the EU Directive 2019/904

Capacity (ml)	Ø ext. (mm)	Height (mm)	Cap colour	Version	Pk	Cat. No.
40 ml						
40	30	70	Red	Aseptic	1.000	216-1806
40	30	70	White	Aseptic	1.000	216-1807
40	30	70	Red	Sterile	1.000	216-1805
60 ml						
60	33	70	Red	Aseptic	700	216-1809
60	33	70	White	Aseptic	700	216-1822
60	33	70	Red	Sterile	700	216-1808
125 ml						
125	52	74	Red	Aseptic	380	216-1825
125	52	74	White	Aseptic	380	216-1826
125	52	74	Green	Aseptic	380	216-1827
125	52	74	Blue	Aseptic	380	216-1824
125	52	74	Red	Sterile	380	216-1823
180 ml						
180	52	102	Red	Aseptic	264	216-1836
180	52	102	White	Aseptic	264	216-1837
180	52	102	Blue	Aseptic	264	216-1835
180	52	102	Red	Sterile	264	216-1829
180	52	102	White	Sterile	264	216-1830
180	52	102	Green	Sterile	264	216-1834
180	52	102	Blue	Sterile	264	216-1828



WATER SAMPLING BOTTLES, STERILE, VWR®

PET, virgin, food grade with PP caps.

- Different coloured caps for easy identification of test
- Tamper-evident strip to ensure sampling integrity
- Full traceability, batch number and individual bottle number on each label
- Fully recyclable
- Cap diameter: 32 mm

Lightweight, durable bottles. Caps designed to shield neck from contamination. Choice of dosed and undosed bottles. Rectangular bottles for better storage with limited space.

Blue cap: For natural, non chlorinated water without sodium thiosulphate

Red cap: For chlorinated water dosed with 20 mg/L sodium thiosulphate

White cap: For chlorinated water dosed with 120 mg/L sodium thiosulphate

Capacity (ml)	Dosage	Cap colour	WxDxH (mm)	Pk	Cat. No.
Square bottles					
500	Undosed	Blue	70x70x192	108	331-0268
500	Sodium thiosulphate (20 mg/L)	Red	70x70x192	108	331-0272
500	Sodium thiosulphate (120 mg/L)	White	70x70x192	108	331-0276
1000	Undosed	Blue	89x89x222	70	331-0269
1000	Sodium thiosulphate (20 mg/L)	Red	89x89x222	70	331-0273
1000	Sodium thiosulphate (120 mg/L)	White	89x89x222	70	331-0277
Rectangular bottles					
350	Undosed	Blue	70x50x174	144	331-0256
350	Sodium thiosulphate (20 mg/L)	Red	70x50x174	144	331-0270
350	Sodium thiosulphate (120 mg/L)	White	70x50x174	144	331-0274
500	Undosed	Blue	70x50x212	144	331-0267
500	Sodium thiosulphate (20 mg/L)	Red	70x50x212	144	331-0271
500	Sodium thiosulphate (120 mg/L)	White	70x50x212	144	331-0275

ANALYTICAL BALANCES, PREMIUM SERIES

A selection of eight high level balances offering high accuracy and repeatability combined with a wear resistant LED touch screen for basic applications in the laboratory, industrial and educational settings.

- Highly accurate results (high-end weighing technology)
- Fast stabilisation times
- Easy to clean with high chemical resistance
- Control panel with high resolution, touch screen functionality and eight language options
- Overload protection
- Future-proof USB type C interface
- Under bench weighing
- Data transfer as PC spreadsheet, PC text and Ascii protocols
- Six built-in applications with GLP/GMP compliant data output: Weighing and dosing, counting, percentage weighing, density determination, mass unit conversion and animal weighing

These high quality balances have a polybutylene terephthalate (PBT) housing, which has excellent chemical resistance. The control unit is made from glass. All Analytical models (PBA) have a glass draft shield with convenient access to the weighing pan. This draft shield is specially coated to minimise weighing errors from electrostatically charged samples. The weighing pan is stainless steel.



Analytical balance

Models with internal 'One-Touch-Calibration' are denoted by I in the model name.

FC models are supplied with a factory calibration certificate.

EN 61326-1:2013, EN 61010-1: 2010, EN 61010-2-010:2014, EN 50581:2012, IEC 60664-1

Supplied with plastic 'in use' protective cover and plug.

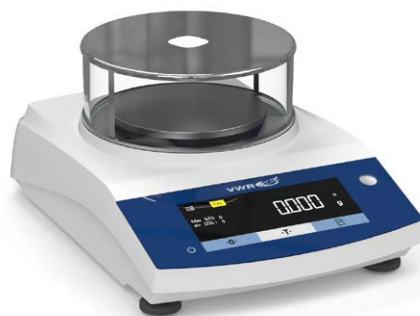
Model	Weighing cap. (g)	Linearity (mg)	Pan/platform size (mm)	Readability (mg)	Repeatability (mg)	Pk	Cat. No.
Balances with internal calibration							
PBA124i-1S	120	±0,2	Ø 90	0,1	±0,1	1	611-4794
PBA224i-1S	220	±0,2	Ø 90	0,1	±0,1	1	611-4798

VWR® PRECISION BALANCES, PREMIUM SERIES

A selection of 36 high level balances offering high accuracy and repeatability combined with easy, intuitive operation and a large touch screen for applications in the laboratory, industrial and educational settings.

- Highly accurate results (high-end weighing technology)
- Fast stabilisation times
- Easy to clean and high chemical resistance
- Control panel with high resolution, touch screen functionality and eight language options
- Overload protection
- Future-proof USB type C interface
- Under bench weighing
- Data transfer as PC spreadsheet, PC text and Ascii protocols
- Six built-in applications with GLP/GMP compliant data output: Weighing and dosing, counting, percentage weighing, density determination, mass unit conversion and animal weighing

These high quality balances have a polybutylene terephthalate (PBT) housing, which has excellent chemical resistance. The control unit is made of glass and has intuitive operation and a large touch screen. The weighing pan is stainless



Precision balance

steel. All Precision models (PBA) have a glass draft shield with convenient access to the weighing pan. This draft shield is specially coated to minimise weighing errors from electrostatically charged samples. Precision models with readability of 10 or 1000 mg do not have draft shields.

Models with internal 'One-Touch-Calibration' are denoted by I in the model name.

FC models are supplied with a factory calibration certificate.

EN 61326-1:2013, EN 61010-1: 2010, EN 61010-2-010:2014, EN 50581:2012, IEC 60664-1

Supplied with plastic 'in use' protective cover and plug.

Model	Weighing cap. (g)	Linearity (mg)	Pan/platform size (mm)	Readability (mg)	Repeatability (mg)	Pk	Cat. No.
Balances with external calibration							
PBP2202-1S	2200	±20	Ø 180	10	±10	1	611-4809
PBP6202-1S	6200	±20	Ø 180	10	±10	1	611-4817

ANALYTICAL BALANCES, VWR® LA CLASSIC, LCD

An economical range of reliable, high performance analytical balances. All models have a stainless steel top pan.

- Check weighing (alarm function), weight totalising, density determinations of samples and piece counting functions
- Option of external or internal calibration, RS232 included as standard
- Weighing chamber L×W×H: 162×171×225 mm

User can choose three options for models with internal calibration (denoted by 'i' at end of the model name):

Balance will calibrate using the internal weight by pressing CAL button

Balance will automatically recalibrate when ambient temperature changes and/or after a certain time has passed (Incal+)

The user can choose to calibrate the balance with an external weight

EN 61326-1:2013, EN 61010-1: 2010, EN 61010-2-010:2014, EN 50581:2012

Optional Tablet System (611-8683) is suitable for use with models denoted by *. Tablet Systems are not currently accredited for use with verified/EC-type approved balances.

For more information on the full range of accessories including printers, software, density control kit for the LA series, external keyboard and PC connection cable, please visit our website at vwr.com or contact your local Avantor sales office.



LA

LAG

The balances are also available with a factory calibration certificate. Please contact Avantor for more information about this option.

Supplied with mains adapter, universal plug and plastic «in use» protective cover. Calibration weights are available from Avantor. Please see 'Calibration weights'.

Models with a large graphic display are denoted by G in the model name. Similarly i shows internal calibration. FC models are supplied with a factory calibration certificate. See vwr.com for details of the full range of models.

Model	Weighing cap. (g)	Linearity (mg)	Pan/platform size (mm)	Readability (mg)	Pk	Cat. No.
Balances with automatic internal calibration						
LA 214i *	220	0,3	Ø 80	0,1	1	611-2263
LA 314i *	310	0,4	Ø 80	0,1	1	611-2265

VWR® balances and accessories premium line

Visit vwr.com to find more information on VWR balances and accessories premium line or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE



VWR® PRECISION BALANCES, ADVANCED LPG / LPCG / LPWG SERIES WITH GRAPHIC DISPLAY

Precision balances that are ideal for use in any laboratory, these models offer GLP/ISO records of weight values with date, time and serial number. A series that ranges from simple weighing to operation with automated internal calibration. All Advanced models have a graphic display with adjustable contrast, an ergonomic keypad and a stainless steel top pan.

- Selectable filter levels and user can select the measuring unit that the balance will use to display the weight
- RS232 data interface
- GLP set-up - stores balance, project and user identification data, as well as date and time
- Easy to operate and have multiple languages: English, German, French, Italian, Spanish and Portuguese

Functions include suspended weighing, piece counting, percentage weighing, check weighing, density determination, totalisation, formulation and maximum load (peak hold) functions.

Users can choose three options for models with internal calibration (denoted by «i» at end of the model name):

Balance will calibrate using the internal weight by pressing CAL button.

Balance will automatically recalibrate when ambient temperature changes and/or after a certain time has passed (Incal+).

Users can choose to calibrate the balance with an external weight.

Statistic printouts are available if connected to a statistical printer. Under balance weighing hooks are



LPCG

available for several models. The LPWG models have a graphic display and three door draft shield, LPCG models have a graphic display and circular draft shield.

EN 61326-1:2013, EN 61010-1: 2010, EN 61010-2-010:2014, EN 50581:2012. Comply with the European Directive 2014- 31-EU (NAWI) and Harmonised Standard EN 45501 (verified, approved).

Balances with suffix «D» have dual range, suffix i denotes internal calibration. Models with suffix «C» are delivered with factory calibration certificate, suffix «M» denotes approved or verified models and suffix «P» denotes units are complete with trap kit for pipette calibration. Models with prefix «C» have a circular draft shield and prefix «W» indicates a three door draft shield.

Supplied with a plastic in use protective cover. A wide range of accessories including printer, software and PC connection cable are available and must be purchased separately.

Model	Weighing cap. (g)	Linearity (mg)	Pan/platform size (mm)	Readability (g)	Repeatability	Pk	Cat. No.
LPG graphical display balances with external calibration (without draft shield)							
LPG 3102	3100	±30	Ø 160	0,01	0,01 g	1	611-2306
LPG 6501	6500	±100	195x175	0,1	0,05 g	1	611-2310
LPG 20001	20000	±400	195x175	0,1	0,1 g	1	611-2373

VWR® for weighing

Lighten the weighing load

Visit vwr.com to find more information on VWR® for weighing Lighten the weighing load or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE





DISPOSABLE WEIGHING BOATS

PS, diamond.

- Wide, flat bottom avoids tipping
- Temperature resistant up to +70 °C

These flexible boats feature smooth surfaces to provide accurate pour-out with minimal sample loss. They are ideal for use with microwaves and moisture analysers.

These weighing boats are produced and packed in plastic bags in a cleanroom.

Capacity (ml)	WxDxH (mm)	Colour	Pk	Cat. No.
Standard				
5	53x33x6	Black	500	611-1996
25	67x47x14	Black	500	611-9184
30	78x56x14	Black	500	611-9185
100	115x85x17	Black	500	611-9186
5	53x33x6	White	500	611-1993
25	67x47x14	White	500	611-0097
30	78x56x14	White	500	611-9161
100	115x85x17	White	500	611-9162
Anti-static				
5	53x33x6	Black	500	611-1995
25	67x47x14	Black	500	611-9190
30	78x56x14	Black	500	611-9191
100	115x85x17	Black	500	611-9192
5	53x33x6	White	500	611-1994
25	67x47x14	White	500	611-9187
30	78x56x14	White	500	611-9188
100	115x85x17	White	500	611-9189

VWR® for liquid handling

Visit vwr.com to find more information on VWR® for liquid handling or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE





AUTOMATIC STRAW PIPETTE, FIXED VOLUME, SP100, VWR®

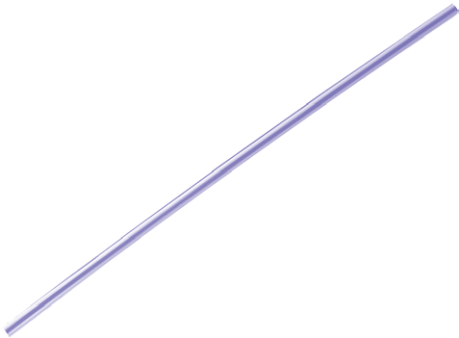
Air displacement pipette with two pre-calibrated steps allows subsequent pipetting of 1 and 0,1 ml of the same liquid. Ideal alternative to graduated glass pipettes when performing serial 1:10 dilutions in bacteriology.

- Smooth activation, excellent ergonomics, easy maintenance, cleaning and disinfection
- Two pre-calibrated fixed volumes – no setting required
- Both volumes calibrated independently
- Interchangeable PE nozzle protection filter
- Justip™ system for tip ejector height adjustment
- Autoclavable

*The product(s) below are outside the scope of the EU Directive 2019/904

Description	Capacity (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
Automatic straw pipette SP100 for 1:10 dilutions, autoclavable	0,1 / 1	±2,0 / ±0,5	<2,5 / <0,4	1	710-1021

Description	Capacity (ml)	Packed	Pk	Cat. No.
Accessories				
Straw pipettes	1	25 per bag	1.000	612-1675
Nozzle protection filter, PE			100	613-5041



STRAW PIPETTES, VWR®

Straw pipettes made from PP, irradiated, disposable, sterile, without graduation.

- Traceability including the expiry date on the secondary packaging
- Zip bag can be pressed closed ensuring product protection
- Tamper-evident seal guarantees the sterility of the product

*The product(s) below are outside the scope of the EU Directive 2019/904

Description	Capacity (ml)	Packed	Pk	Cat. No.
Straw pipettes	1	25 per bag	1.000	612-1675

GRAVIMETRIC DILUTOR, 3 KG, VWR®

Gravimetric dilutors are used for the dilution of a sample before microbiological analysis.

- Available with one or two pumps
- All stainless steel with an innovative design
- Ultra-low profile for easy use under laminar flow
- USB port
- Dilution time for a 25 g sample diluted at 1/10 in less than 9 seconds
- <1% of sample weighing
- As little as <1% of dispensing (in standard or accurate mode)
- The bag is maintained with the bag holder

Easy to use, with a removable drip tray to make cleaning easy, it is an accurate device in compliance with the latest international standards. This dilutor has been designed to facilitate work in a microbiological safety cabinet.

An intuitive indicator of the status. The degree of accuracy of the finished dilution is displayed: Green >98%, orange >95% or red <95%. It will also turn blue if the balance is not stable, thus telling you to wait for stabilisation.

Also features data export to a printer, a USB connection to computer and data export via the



software, and Excel™ file export from the software.

Compliant with ISO 7218, ISO 6887-1 and FDA BAM standards.

Additional accessories are available; contact your local Avantor representative for more information.

Dilutor is delivered with 1 or 2 pumps, 1 distribution arm, 1 drip tray 400, 1 dispensing assembly (GL 45 - Ø 6,4 mm) per pump, USB cable, monitoring software, set of power cables (EU, UK, CH), bag holder 400 for dilutors, user's manual, quick user guide, certificate of conformity, and set of 10 adhesive gum.

Model	VWR® gravimetric dilutor 3 kg, single pump	VWR® gravimetric dilutor 3 kg, double pump
Dilution factor	1/2 - 1/99	
Dispensing speed	For 90 ml: <7 s (with booster kit in fast mode); For 225 ml: <10 s (with booster kit in fast mode)	
Duration	<9 s (with booster kit in fast mode), dilution time for a 25 g sample diluted at 1/10	
Min. weight	0,1 g (weighing range)	
Max. weight	3000 g (weighing range)	
Accuracy	>98% (dilution); 0 - 100 g: ±0,05 g (weighing); 100 - 3000 g: ±0,1% (weighing)	
Resolution	0,01 g (up to 200 g)	
Programs	Fast, Standard, Accurate (Dispensing/distribution modes)	
Interfaces	RS232 output (for printer) / USB output (for computer) / jack output (for foot pedal)	
Power supply	100 - 240 V / 50 - 60 Hz	
WxDxH (mm)	313x437x394	
Weight (kg)	10,1	12,5
Data printed	Sample weight / Total weight / Dilution factor / Dilution accuracy / Right or left pump + with monitoring software: Sample number / Name of operator / Date / Time (exported data)	

Description	Pk	Cat. No.
VWR® gravimetric dilutor 3 kg, single pump	1	710-2091
VWR® gravimetric dilutor 3 kg, double pump	1	710-2092

Description	Pk	Cat. No.
Accessories for gravimetric dilutors		
Adjustable distribution system	1	710-2110
Booster kit, with booster pump, 1 dispensing assembly 'Y'	1	710-2094
Dispensing assembly inner for booster kit (Ø 3,2 mm)	1	710-2103
Dispensing assembly inner for booster kit (Ø 6,4 mm)	1	710-2097
Dispensing assembly inner for single pump (Ø 3,2 mm)	1	710-2101
Dispensing assembly inner for single pump (Ø 6,4 mm)	1	710-2095
Foot pedal, for hands-free operation	1	710-2093
GeckoGrip® (set of 10 adhesives)	1	710-2117
Integrable stand for broth bags	1	710-2108
Printer	1	710-2118
Silicone tubings for booster kit inner (Ø 3,2 mm)	5	710-2104
Silicone tubings for booster kit inner (Ø 6,4 mm)	5	710-2098
Silicone tubings inner for single pump (Ø 3,2 mm)	5	710-2102
Silicone tubings inner for single pump (Ø 6,4 mm)	5	710-2096
Thermal transfer film	1	710-2119
Tongs platform to hold a tube (Ø 10 - 60 mm)	1	710-2107
Weighing platform	1	710-2106

GRAVIMETRIC DILUTOR, 5 KG, WITH ROBOTIC ARM, VWR®

Gravimetric dilutors are used for the dilution of a sample before microbiological analysis. Robotic arm with the 5 kg model features easy sample dropping, avoids contamination, and saves time.

- Available with one or two pumps
- All stainless steel with an innovative design
- Ultra-low profile for easy use under laminar flow
- Dilution time for a 375 g sample diluted at 1/10 is <80 s (with booster kit in fast mode)
- <1% of sample weighing
- As little as <1% of dispensing (in standard or accurate mode)
- Superior quality Watson Marlow® pumps
- The bag is maintained with the bag holder

Easy to use, with a removable drip tray to make cleaning easy, it is an accurate device in compliance with the latest international standards. This dilutor has been designed to facilitate work in a microbiological safety cabinet.

An intuitive indicator of the status. The degree of accuracy of the finished dilution is displayed: Green >98%, orange >95% or red <95%. It will also turn blue if the balance is not stable, thus telling you to wait for stabilisation.



Gravimetric dilutor with one pump

Also features data export to a printer, a USB connection to computer and data export via the software, and Excel™ file export from the software.

In compliance with ISO 7218, ISO 6887-1 and FDA BAM standards.

Additional accessories are available; contact your local Avantor representative for more information

Supplied with 1 or 2 pumps, drip tray 400, protection plate for nozzles, dispensing assembly (GL 45 - Ø 6,4 mm) 1 per pump, USB cable, monitoring software, set of power cables (EU, UK, CH), bag holder 400 for dilutor, user's manual, conformity certificate, adhesive gum set of 10, and allen wrench.

Model	VWR® gravimetric dilutor 5 kg, single pump	VWR® gravimetric dilutor 5 kg, double pump
Dilution factor	1/2 - 1/99	
Dispensing speed	Fast/Standard/Accurate	
Duration	<9 for 25 g sample at 1/10 <80 for 375 g sample at 1/10 (with booster kit in Fast mode)	
Min. weight	0,1 g (weighing range)	
Max. weight	5000 g (weighing range)	
Accuracy	>99% (dilution) [standard or accurate mode in optimal conditions] 0 - 100 g: ±0,05 g (weighing); 100 - 5000 g: ±0,1% (weighing)	
Resolution	0,01 g (up to 200 g)	
Interfaces	RS232 (printer); USB (computer); jack plug (foot pedal)	
Power supply	100 - 240 V, ~ 50/60 Hz	
WxDxH (mm)	313x421x377	370x421x377
Weight (kg)	12,3	14,8
Data printed	Sample weight / Total weight / Dilution factor / Dilution accuracy / Right or left pump + with monitoring software: Sample number / Name of operator / Date / Time	

Description	Pk	Cat. No.
VWR® gravimetric dilutor 5 kg, with robotic arm, single pump	1	710-2122
VWR® gravimetric dilutor 5 kg, with robotic arm, double pump	1	710-2123

Description	Pk	Cat. No.
Accessories for gravimetric dilutors		
Adjustable distribution system	1	710-2124
BagOpen 400 for dilutors, stainless steel	1	710-2116
Booster kit, with booster pump, 1 dispensing assembly 'Y'	1	710-2094
Dispensing assembly inner for booster kit (Ø 3,2 mm)	1	710-2103
Dispensing assembly inner for booster kit (Ø 6,4 mm)	1	710-2097
Dispensing assembly inner for single pump (Ø 3,2 mm)	1	710-2101
Dispensing assembly inner for single pump (Ø 6,4 mm)	1	710-2095
Foot pedal, for hands-free operation	1	710-2093
GeckoGrip® (set of 10 adhesives)	1	710-2117
Integrable stand for broth bags	1	710-2108
Jumbo kit	1	710-2125
Printer	1	710-2118
PTFE filters 0,2 µm (Ø 25 mm)	5	710-2099
Silicone tubings for booster kit inner (Ø 3,2 mm)	5	710-2104
Silicone tubings for booster kit inner (Ø 6,4 mm)	5	710-2098
Silicone tubings inner for single pump (Ø 3,2 mm)	5	710-2102
Silicone tubings inner for single pump (Ø 6,4 mm)	5	710-2096
Stainless steel nozzles for tubing (Int.Ø 1,6 - 3,2 mm)	5	710-2113
Stainless steel nozzles for tubing (Int.Ø 4,8 - 8 mm)	5	710-2112
Thermal transfer film	1	710-2119
Tongs platform to hold a tube (Ø 10 - 60 mm)	1	710-2107
Tube weights, Ø 6 mm	5	710-2114
Weighing platform	1	710-2106



FlexiPump® peristaltic pump, with single pump head and 3 rollers, for culture preparation

PERISTALTIC PUMP, MEDIA

Peristaltic pump for culture media preparation. Use it for serial dispensing of culture media, agar or any liquid diluent for efficient sample preparation.

- Select from three dispensing modes: Continuous, dose (pre-determined volume), multi-dose (pre-determined volume, with an adjustable pause between each dose)
- Stainless steel and heavy-duty polycarbonate top shell
- Rotating button for easy navigation
- Compact and ergonomic: Only 160 mm wide
- Typical precision with inner Ø 3,2 mm tubing: 9 ml: ±1,8%, 18 ml: ±1%, 225 ml: ±0,5%
- Dispenses liquid from 50 µl - 99 L
- Improved dispensing control with the handy gun and the adjustable arm
- User-friendly interface
- High quality Watson Marlow™ pump heads

In compliance with ISO 7218 and FDA BAM (Bacteriological Analytical Manual).

Pump is delivered with peristaltic Watson Marlow™ pump head, 1 set of 3,2 mm dispensing assembly (nozzle + GL 45 bottle connector + filter + tubing + tube weight), 1 set of power cables (EU, UK, CH), user's manual, and conformity certificate.

Model	VWR® media pump, single head
Electrical	100 - 240 V, 50 - 60 Hz
Flow rate	1,5 - 1250 ml/min
Int.Ø tubing (mm)	1,6; 3,2; 4,8; 6,4; 8
Rotation speed	10 - 550 min ⁻¹
Weight (kg)	5,4
WxDxH (mm)	161x273x208

Description	Pk	Cat. No.
VWR® media pump, with single pump head and 3 rollers, for culture preparation	1	710-2126

Description	Pk	Cat. No.
Tubing, silicone, for peristaltic pump, FlexiPump®		
Silicone tubes for pump, 1,6 mm Ø int.	6	710-2139
Silicone tubes for pump, 3,2 mm Ø int.	6	710-2105
Silicone tubes for pump part (200 mm each), 4,8 mm Ø int.	6	710-2141
Silicone tubes for pump, 6,4 mm Ø int.	6	710-2100
Silicone tubes for pump, 8,0 mm Ø int.	6	710-2142
Silicone tubing sets with plastic connectors, 1,6 mm Ø int.	5	710-2134
Silicone tubing sets with plastic connectors, 3,2 mm Ø int.	5	710-2135
Silicone tubing sets with plastic connectors, 4,8 mm Ø int.	5	710-2136
Silicone tubing sets with plastic connectors, 6,4 mm Ø int.	5	710-2137
Silicone tubing sets with plastic connectors, 8,0 mm Ø int.	5	710-2138
Dispensing assembly for peristaltic pump, FlexiPump®		
Dispensing assembly, with a set of silicone tubings inner Ø 1,6 mm, GL 45 screw cap, tube weight, nozzle, filter	1	710-2129
Dispensing assembly, with a set of silicone tubings inner Ø 3,2 mm, GL 45 screw cap, tube weight, nozzle, filter	1	710-2130
Dispensing assembly, with a set of silicone tubings inner Ø 4,8 mm, GL 45 screw cap, tube weight, nozzle, filter	1	710-2131
Dispensing assembly, with a set of silicone tubings inner Ø 6,4 mm, GL 45 screw cap, tube weight, nozzle, filter	1	710-2132
Dispensing assembly, with a set of silicone tubings inner Ø 8 mm, GL 45 screw cap, tube weight, nozzle, filter	1	710-2133



Laboratory blender, BagMixer® 400

LABORATORY BLENDERS, VWR® STAR BLENDER 400 SILENT

The VWR® Star Blender 400 Silent is a highly efficient laboratory blender for solid sample preparation. With a sterile bag, it guarantees optimal bacterial extraction in less than 60 seconds, and eliminates all risks of cross contamination.

- Door opens at 270° and paddles stop side by side at end of blending for easy bag extraction
- Removable paddles and stainless steel construction for ease of cleaning
- Easy control of blending time, power and speed with VW CC, S and SW models
- Q-Tight®, special closing system prevents risk of liquid leaking from the top of the bag on VW and CC models

Model	VWR® Star Blender 400 Silent
Strokes (s)	4, 6, 8, 10
Timer	Variable time 1 s - 59 min
Mains voltage	240 V, 50 - 60 Hz
WxDxH (mm)	290x450x370
Weight (kg)	26

Description	Pk	Cat. No.
VWR® Star Blender 400 Silent	1	710-2143



LABORATORY BLENDER, LB 400

Compact and easy to use blender, for sample volumes of 50 to 400 ml, efficiently blends solid or liquid samples in any sterile bags (plain or filter bags).

- Optimum extraction of microorganisms
- Samples are prepared quickly, ready for analysis, eliminating difficult cleaning steps
- Stainless steel door opens fully, allowing stainless steel blending chamber to be cleaned easily
- Safe and hygienic - minimum risk of infection, no risk of cross-contamination
- Lifetime resistant shock absorbers

Model	LB 400	LB 400 W
Paddle speed (min ⁻¹)	240, fixed speed: 8 strokes/s	
Timer	30, 60, 90, 120, 150, 180, 210 s or continuous operation	
Max./min. temperature	40/5 °C	
Power (W)	Max. 300	
WxDxH (mm)	390x260x280	
Weight (kg)	15	

Description	Pk	Cat. No.
LB 400 laboratory blender	1	710-0632
LB 400 W laboratory blender with glass window in the door	1	710-0922

Description	Pk	Cat. No.
Accessories		
Automatic straw pipette SP100 for 1:10 dilutions, autoclavable	1	710-1021
Straw pipettes	1.000	612-1675
Plain bags	500	129-1102
Plain bags	500	129-1103
Bags with lateral non woven filter	500	129-1104
Bags with lateral non woven filter	500	129-1105
Bags with full page micro perforated filter	500	129-1106



LABORATORY BLENDER, STAR-BLENDER® DIGITAL

Sample volumes from 80 to 400 ml.

- Digital display for easy setting of speed and time
- Two reciprocating paddles
- Polished AISI 304 stainless steel external and internal surfaces
- Window in front door for observation of bagged samples during homogenisation
- Tilting closure with removable front door to make operation and cleaning easier

Microbiological and pathogenic samples can be treated without risk to the operator or environment, by blending solid and semi-solid samples in sealed bags, eliminating bioaerosol production.

Model	Star-Blender® Digital
Motor speed	180...320 min ⁻¹
Timer	Up to 10 h, or continuous
Power (W)	180
WxDxH (mm)	250x410x220
Weight (kg)	15

Description	Pk	Cat. No.
Star-Blender® Digital, CH-plug	1 SET	710-1044
Star-Blender® Digital, UK-plug	1 SET	710-1045
Star-Blender® Digital, EU-plug	1	710-0958

Description	Pk	Cat. No.
Accessories		
Automatic straw pipette SP100 for 1:10 dilutions, autoclavable	1	710-1021
Plain bags	500	129-1102
Straw pipettes	1.000	612-1675
Plain bags	500	129-1103
Bags with lateral non woven filter	500	129-1104
Bags with lateral non woven filter	500	129-1105
Bags with full page micro perforated filter	500	129-1106

VWR® ultrapure water systems

Visit vwr.com to find more information on VWR® ultrapure water systems or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE





BLENDER BAGS

Wide choice of PE sterile bags from 80 to 3500 ml capacity. Fit all conventional laboratory blenders, adapted to all samples.

- Bags with filters are mainly dedicated to fibrous samples
- Bags with full filter for pasty samples
- Plain bags for standard uses
- No risk of cross-contamination

Absence of heavy material: Raw material is compliant with the EC/94/62 directive

Food contact: Raw material is compliant with regulation EC No. 1935/2004

Based on ISO 11137: Sterilisation of healthcare products SAL 10⁻³

Description	Capacity (ml)	W×L (mm)	Packed	Pk	Cat. No.
Plain bags	80	105×150	60 bags of 25	1.500	129-0732
Plain bags	400	300×190	20 bags of 25	500	129-0728
Plain bags	400	300×190	10 bags of 50	500	129-0729
Plain bags	3500	380×510	20 bags of 25	500	129-0731
Bags with lateral filter	400	300×190	10 bags of 50	500	129-0733
Bags with lateral filter	400	300×190	60 bags of 25	1.500	129-0730
Bags with full page filter	400	300×190	10 bags of 50	500	129-0734



HIGH PERFORMANCE BLENDER BAGS

Complete range of bags, sterile and alimentary certified, for safe and quick preparation of solid samples before microbiological and chemical analysis. Bags are resistant for 3 minutes blending (frequency 4 t/second). They fit all conventional 400 ml laboratory blenders, and are adapted to all samples.

- Can resist to high temperature from –40 to +80 °C
- Can be frozen
- Gamma irradiated: No risk of cross-contamination (the red sticker on every box serves as a qualitative indicator of gamma ray processing)
- Colour-change label when sterile: Red colour, for easy sterilisation identification
- Approved for food contact

Plain blender bag: Sterile, flexible and transparent bag compatible with any laboratory blender. High quality of raw material: Pure natural polyolefin (polyethylene).

Bag with lateral filter: Non woven filter with porosity <250 µm in a reinforced multi-coated complex which is ideal for homogenising fibrous samples.

Bag with full page filter: Calibrated micro perforated filter with 280 µm porosity which is ideal for homogenising pasty samples.

In compliance with ISO 7218/6887- 1/FDA - BAM.

Sterilisation in compliance with the GMP of quality assurance and current legislation, we attest that treatment by gamma rays has been made.

Description	Capacity (ml)	W×L (mm)	Packed	Pk	Cat. No.
Plain bags	400	175×300	20 bags of 25	500	129-1102
Plain bags	400	175×300	10 bags of 50	500	129-1103
Bags with lateral non woven filter	400	190×300	20 bags of 25	500	129-1104
Bags with lateral non woven filter	400	190×300	10 bags of 50	500	129-1105
Bags with full page micro perforated filter	400	190×300	10 bags of 50	500	129-1106



Bead Mill MAX

HOMOGENISER BEAD MILL MAX, VWR®

VWR Bead Mill MAX is the premier model in the VWR Bead Mill homogeniser range. VWR Bead Mill MAX is designed to grind, lyse or homogenise the most difficult samples with repeatable results. The unique tube carriage motion ensures the intra-tube bead movement reduces swirling, and creates the highest bead impact force of any bead mill on the market.

- Optional cryo cooling unit for preventing increase in sample temperature during homogenisation (requires compressed air, liquid nitrogen or dry ice in ethanol) can be ordered separately
- User friendly, multi-lingual touch screen interface
- No cool down period required between runs: Process hundreds of samples per day
- Unlimited programmable memory setting for shared protocols
- Convenient front loading design features an integrated lid lock that engages during operation

Using sample tubes pre-filled with a variety of bead media, the mill vigorously and uniformly shakes the tubes providing an efficient, consistent high yield and quality homogenisation usually in less than 30 seconds. The Bead Mill MAX is ideal for sample preparation when extracting DNA, RNA, proteins and small molecules.

Drive unit is supplied with 2 ml tube carriage, user manual and two year warranty. VWR disposable bead tubes must be ordered separately.

Model	Bead Mill MAX
WxDxH (mm)	305x432x368
Weight (kg)	29,5
Application	Sample preparation, DNA, RNA, Protein extraction
Capacity	Max. 24 tubes: (24x0,5 ml / 24x1,5 ml / 24x2 ml / 12x7 ml / 6x30 ml)
No. of cycles	1 - 10
Sample volume	0,5 - 30 ml
Speed range	0,8 - 6,5 m/s

Description	Pk	Cat. No.
Bead mill MAX homogeniser, 230 V	1	432-0380

Description	Type	Volume	For	Pk	Cat. No.
Grinding mix					
2 ml pre-filled bead kit with 0,5 mm ceramic beads	Screw cap tubes	2	Bacteria/cultured cells, spores, yeast, fungi, algae, plankton	50	432-0424
Homogenising mix					
2 ml pre-filled bead kit with 0,1 mm ceramic beads	Screw cap tubes	2	Bacteria/cultured cells, spores, yeast, fungi, algae, plankton, soft soil, sediment, wastewater	50	432-0425
2 ml pre-filled bead kit with 0,7 mm garnet beads	Screw cap tubes	2	Clay, faeces, sludge	50	432-0423
Lysing mix					
2 ml screw cap tubes pre-filled with 0,5 mm glass beads	Screw cap tubes	2	Bacteria/cultured cells, spores, yeast, fungi, algae, plankton	50	432-0371
2 ml screw cap tubes pre-filled with 0,1 mm glass beads	Screw cap tubes	2	Bacteria/cultured cells	50	432-0426
Beads					
1,4 mm ceramic beads, bulk packaged. Certified DNase- and RNase-free			Soft tissues such as brain, liver, kidney, spleen and soft plant material	325 g	432-0377
2,8 mm ceramic beads, bulk packaged. Certified DNase- and RNase-free			Hard tissue such as heart, muscle, skin and plant material	325 g	432-0378
2,4 mm stainless steel beads, bulk packaged. Certified DNase- and RNase-free			Dry grinding, dense biological material, hair, bone, seeds, roots	500 g	432-0376
Tubes					
2 ml tubes with screw caps and O-rings, bulk packaged. Reinforced polypropylene to withstand high impact forces. O-ring in silicone. Certified DNase- and RNase-free. For use with VWR Bead Mill MAX, VWR Bead Mill, VWR Bead Mill 4 and all other commercial bead mills	Reinforced screw cap tubes	2		1.000	432-0379
7 ml screw cap reinforced tubes, bulk packaged for use with VWR Bead Mill MAX, VWR Bead Mill, and VWR Bead Mill 4	Reinforced screw cap tubes	7		500	432-0400

Description	Type	Volume	For	Pk	Cat. No.
7 ml screw cap reinforced tubes, bulk packaged. For use with VWR Bead Mill MAX, VWR Bead Mill, and VWR Bead Mill 4	Reinforced screw cap tubes	7		1.000	432-0401
30 ml tubes with screw caps, bulk packaged. 100 per package. For use with VWR Bead Mill MAX	Screw cap tubes	30		100	432-0405
30 ml tubes with screw caps, bulk packaged. For use with VWR Bead Mill MAX	Screw cap tubes	30		500	432-0406
Accessories					
The cryo cooling unit is designed to prevent the increase of sample temperature during homogenisation. Compatible with the Bead Mill MAX 2 ml and 7 ml tube carriages			Sample preparation, DNA, RNA, protein extraction	1	432-0394
1,5 ml tube carriage kit, compatible with the Bead Mill MAX. Holds 24x1,5 ml			Sample preparation, DNA, RNA, protein extraction	1	432-0444
2 ml tube carriage kit, compatible with the Bead Mill MAX. Hold 24x2 ml tubes			Sample preparation, DNA, RNA, protein extraction	1	432-0442
Bead Mill MAX 7 ml tube carriage kit. Holds 12x7 ml screw cap tubes			Sample preparation, DNA, RNA, protein extraction	1	432-0395
Bead Mill MAX 30 ml tube carriage kit. Holds 6x30 ml screw cap tubes			Sample preparation, DNA, RNA, protein extraction	1	432-0396



MIXER MILL, BEATER, VWR®

A ball mill for disintegration of small sample volumes that can also be used to shake/mix microtubes and microplates. Wide range of applications in different scientific fields from geology to biotechnology.

- Easy to use - simple knob and keypad to control frequency and timer
- Easy to maintain - brushless DC motor
- Large range of grinding jars and tube holders to suit the sample requirements

Grinding time setting - 5 s to 60 min

Vibrational frequency: 3 to 30 Hz

Model	Beater
Speed display	LED
WxDxH (mm)	365x405x225
Weight (kg)	42
Capacity	2x50 ml
Power	200 VA

Description	Pk	Cat. No.
Beater	1	412-0167

Description	Material	Capacity (ml)	Ø (mm)	Sample volume (ml)	Max. feed size (mm)	Pk	Cat. No.
Grinding jars							
	Stainless steel	1,5		0,5	1	2	412-0168
	Stainless steel	5		2	2	2	412-0169
	Stainless steel	10		4	4	2	412-0170
	Stainless steel	25		10	6	2	412-0171
	Stainless steel	35		15	6	2	412-0172
	Stainless steel	50		20	8	2	412-0173
Grinding balls for VWR bead beater							
Grinding ball	Stainless steel		3			20	412-0201



Gel extraction kit, 50 tests

DNA CLEAN-UP, GEL EXTRACTION KITS, PEQGOLD

Purifies DNA bands 70 bp to 20 kb in length from agarose gels. The DNA band of interest is excised from the gel, dissolved in binding buffer, and efficiently processed in a peqGOLD DNA column. >90% recovery. Elution volume: 30 to 50 µl.

- Simple protocol and short hands-on times of less than 15 minutes
- Internal control of reaction conditions by pH-sensitive indicator
- No need for organic extractions or precipitations
- Efficient removal of inhibitors and contaminants
- No shearing of DNA or carry-over of silica material

Kit contains peqGOLD DNA columns and 2 ml collection tubes, XP» Binding buffer and Elution buffer.

Description	Pk	Cat. No.
Accessories		
PerfectBind DNA columns (Classic Line), blue	200	13-CCB-02



Microspin tissue DNA mini kit, 50 tests

DNA ISOLATION, MICROSPIN TISSUE DNA MINI KITS, PEQGOLD

Fast, easy, and economical kit for isolation of genomic DNA from small sample volumes and sizes for consistent PCR and analytical test results.

- No need for organic extractions
- No need for time-consuming ethanol precipitations
- Enzymatic degradation of cellular RNA
- Efficient separation of inhibitors and contaminants
- Fast, 20 min or less

Typical starting amount 10 mg tissue. Speed of mini column technology and specifically formulated buffers allow the purification of genomic DNA up to 60 kb.

Kit contains peqGOLD Microspin LE DNA columns, 2 ml collection tubes, BL buffer, TL buffer, Proteinase K solution, HBC buffer, LPA buffer DNA wash buffer and elution buffer.

Description	Microspin tissue DNA mini kit
Method/Format	Column (silica-based)
Prep Size	Micro
Refine target molecule	Total DNA
Sample size	10 mg of tissue or 1 - 100 µl of fluid
Sample type	Human/animal cells and tissues, Cultured cells, Blood, Blood (dried) on filter cards, Swabs, Biofluids (serum, plasma, saliva), Forensic samples
Target molecule	DNA

Description	Pk	Cat. No.
Microspin tissue DNA mini kit	5 Tests	13-3096-00
Microspin tissue DNA mini kit	50 Tests	13-3096-01
Microspin tissue DNA mini kit	200 Tests	13-3096-02

Description	Pk	Cat. No.
Accessories		
DNA Binding Buffer	60 ml	13-DBB-02
DNA Lysis Buffer T	60 ml	13-DLBT-02
PW Plasmid Buffer	80 ml	13-PWPL-02
SPW/CG Wash Buffer	25 ml	13-SPW-01



peqGOLD Tissue DNA kit, 200 tests

DNA ISOLATION, BLOOD AND TISSUE DNA MINI KITS, PEQGOLD

Fast, easy, and economical kit for isolation of DNA from a variety of samples including fresh or frozen cultured cells, tissue, blood, buccal swabs and saliva.

- No need for organic extractions
- No need for time-consuming alcohol precipitations
- Enzymatic degradation of cellular RNA
- Efficient separation of enzyme inhibitors and contaminants
- High yields due to strong lysis
- Fast, purification in less than 20 min (after lysis)

Typical starting amount should be 30 mg tissue, 5×10^6 cultured cells, or up to 250 μ l. Gives purified DNA suitable for almost any downstream application.

Kit contains peqGOLD DNA Mini columns, 2 ml collection tubes, BL buffer, TL buffer, Proteinase K solution, HBC buffer, DNA wash buffer and elution buffer.

Description	Blood and tissue DNA mini kit
Method/Format	Column (silica-based)
Prep Size	Mini
Refine target molecule	Total DNA
Sample size	30 mg tissue, 5×10^6 cultured cells, or up to 250 μ l
Sample type	Human/animal cells and tissues, Cultured cells, FFPE tissues, Blood, Biofluids (serum, plasma, saliva), Bacteria
Target molecule	DNA

Description	Pk	Cat. No.
Blood and tissue DNA mini kit	5 Tests	13-3396-00
Blood and tissue DNA mini kit	50 Tests	13-3396-01
Blood and tissue DNA mini kit	200 Tests	13-3396-02

Description	Pk	Cat. No.
Accessories		
PerfectBind DNA columns (Classic Line), blue	200	13-CCB-02
DNA Binding Buffer	60 ml	13-DBB-02
DNA Lysis Buffer T	60 ml	13-DLBT-02
PW Plasmid Buffer	80 ml	13-PWPL-02
SPW/CG Wash Buffer	25 ml	13-SPW-01



Bacterial DNA Mini kit

DNA ISOLATION, BACTERIAL DNA MINI KIT, PEQGOLD

Bacterial DNA Mini Kit for the extraction of high quality DNA from gram-positive and gram-negative bacteria. For up to 1×10^9 cells per preparation typical yield is up to 30 μ g.

- Also suited to extractions from difficult to lyse bacteria
- Suitable for the simultaneous processing of multiple samples
- No need for organic extractions
- No need for time-consuming alcohol precipitations
- Efficient separation of inhibitors

Kit contains peqGOLD DNA columns, 2 ml collection tubes, Proteinase K, TL buffer, BL buffer, HBC buffer, glass beads S, RNase A, Lysozyme, DNA wash and elution buffer.

Description	Bacterial DNA Mini Kit	
Method/Format	Column (silica-based)	
Prep Size	Mini	
Refine target molecule	Bacterial DNA	
Sample size	3 ml log phase culture or 1×10^9 cells	3 ml log phase culture or 1×10^9 cells
Sample type	Bacteria	
Target molecule	DNA	

Description	Pk	Cat. No.
Bacterial DNA Mini Kit	5 Tests	13-3450-00
Bacterial DNA Mini Kit	50 Tests	13-3450-01
Bacterial DNA Mini Kit	200 Tests	13-3450-02

Description	Pk	Cat. No.
Accessories		
PerfectBind DNA columns (Classic Line), blue	200	13-CCB-02
DNA Binding Buffer	60 ml	13-DBB-02
DNA Lysis Buffer T	60 ml	13-DLBT-02
PW Plasmid Buffer	80 ml	13-PWPL-02
SPW/CG Wash Buffer	25 ml	13-SPW-01



Plant DNA Mini Kit

DNA ISOLATION, PLANT DNA MINI KIT, PEQGOLD

Dependable isolation of high quality total cellular DNA from a variety of plant species and tissues. peqGOLD homogeniser columns remove cell debris and improve sample handling following lysis.

- Fast: Process 50 mg of fresh sample or 30 mg of dry sample in under 40 minutes
- Reproducible: Standardised method for reliable results from a variety of samples
- Safe: No organic extractions
- High quality: Purified DNA suitable for most downstream applications

Each kit contains peqGOLD DNA mini columns, peqGOLD DNA homogeniser columns, 2 ml collection tubes, SP1 buffer, SP2 buffer, SP3 buffer, RNase A and elution buffer.

Description	Plant DNA Mini Kit
Method/Format	Column (silica-based)
Prep Size	Mini
Refine target molecule	Total DNA
Sample size	50 mg of fresh or 30 mg dry tissue
Sample type	Plant samples
Target molecule	DNA

Description	Pk	Cat. No.
Plant DNA Mini Kit	5 Tests	13-3486-00
Plant DNA Mini Kit	50 Tests	13-3486-01
Plant DNA Mini Kit	200 Tests	13-3486-02

Description	Pk	Cat. No.
Accessories		
PerfectBind DNA columns (Classic Line), blue	200	13-CCB-02



peqGOLD MicroSpin Cycle-Ppure kit

DNA CLEAN-UP, MICROSPIN CYCLE-PURE KITS, PEQGOLD

Clean up DNA in low elution volume (10 to 15 µl) from PCR reactions using spin columns.

- Starting amount up to 10 µg DNA
- DNA recovered >90% recovery, 70 bp to 20 kb

Modified from the peqGOLD Cycle-Pure Kit.

Each kit comprises of peqGOLD MicroSpin DNA columns, 2 ml collection tubes, CP buffer, DNA wash buffer and elution buffer.

Description	MicroSpin Cycle-Pure Kit
Method/Format	Column (silica-based)
Prep Size	Micro
Refine target molecule	Amplified/modified DNA
Sample size	Variable
Sample type	PCR and other enzymatic reactions
Target molecule	DNA

Description	Pk	Cat. No.
MicroSpin Cycle-Pure Kit	5 Tests	13-6293-00
MicroSpin Cycle-Pure Kit	50 Tests	13-6293-01
MicroSpin Cycle-Pure Kit	200 Tests	13-6293-02

Description	Pk	Cat. No.
Accessories		
CP Buffer	150 ml	13-CP-02
SPW/CG Wash Buffer	25 ml	13-SPW-01



peqGOLD Cycle-Pure kits, PCR clean-up

PCR CLEAN-UP, CYCLE-PURE KITS, PEQGOLD

Purification of single- or double-stranded DNA from PCR or other enzymatic reactions.

- Downstream application or cloning, Sanger sequencing, *in vitro* transcription and nucleic acid labelling
- Elution volume of 30 to 50 µl
- Starting amount of 5 to 50 µl enzymatic reactions
- DNA has >90% recovery, 70 bp to 20 kb

Completely removes primers, nucleotides, enzymes, salts, and other impurities from the DNA sample.

Kit contains peqGOLD DNA columns, 2 ml collection tubes, CP buffer, DNA wash buffer and elution buffer.

Description	Cycle-Pure Kit
Method/Format	Column (silica-based)
Prep Size	Mini
Refine target molecule	Amplified/modified DNA
Sample size	5 to 50 µl enzymatic reactions
Sample type	PCR and other enzymatic reactions
Target molecule	DNA

Description	Pk	Cat. No.
Cycle-Pure Kit	5 Tests	13-6492-00
Cycle-Pure Kit	50 Tests	13-6492-01
Cycle-Pure Kit	200 Tests	13-6492-02

Description	Pk	Cat. No.
Accessories		
PerfectBind DNA columns (Classic Line), blue	200	13-CCB-02
CP Buffer	150 ml	13-CP-02
SPW/CG Wash Buffer	25 ml	13-SPW-01



peqGOLD, plant RNA kit, 50 preparations

RNA ISOLATION, PLANT RNA KIT, PEQGOLD

Plant RNA Kit efficiently isolates RNA from a wide range of plant species and plant tissue, effectively removing genomic DNA, polysaccharides, phenol and other secondary metabolites. Starting amount can be up to 100 mg plant tissue. The isolated RNA is directly suitable for downstream applications.

- Ideal for the simultaneous processing of multiple samples
- DNA removing columns for efficient separation of DNA and cellular debris
- No need for organic extractions
- Immediate inactivation of endogenous and exogenous RNases
- Favoured binding of RNA molecules >200 bases
- Efficient separation of enzyme inhibitors and contaminants
- Final elution in RNase-free water

Kits contains peqGOLD RNA Mini columns, peqGOLDs RNA Homogenizer columns, 2 ml collection tubes, NTL lysis buffer, SP buffer, RB buffer, RNA wash buffer 1 and nuclease-free water.

Description	Plant RNA Kit
Method/Format	Column (silica-based)
Prep Size	Mini
Refine target molecule	Total RNA
Sample size	10 - 100 mg plant tissue
Sample type	Plant samples
Target molecule	RNA

Description	Pk	Cat. No.
Plant RNA Kit	5 Tests	13-6627-00
Plant RNA Kit	50 Tests	13-6627-01
Plant RNA Kit	200 Tests	13-6627-02

Description	Pk	Cat. No.
Accessories		
PerfectBind RNA columns (Classic Line), red	200	13-CCR-02
DNA removing columns for use with peqGOLD RNA Kits (Classic Line)	200	13-HCR-02



peqGOLD MicroSpin Total RNA Kit

RNA ISOLATION, MICROSPIN TOTAL RNA KIT, PEQGOLD

Purified RNA can be used in downstream applications such as RT-PCR, nuclease protection assay, and *in vitro* translation.

- High quality with up to 50 µg of total RNA from cultured eukaryotic cells, tissues such as laser dissected samples (LDS) or fine needle aspirates (FNA) suitable for a variety of downstream applications
- Fast, 30 minutes or less
- Safe with no phenol/chloroform extractions

Sample up to 5×10^5 eukaryotic cells or 5 mg tissue, yields up to 15 µg.

Each kit includes: peqGOLD MicroSpin RNA LE columns, 2 ml collection tubes, TRK lysis buffer, RWF wash buffer, nuclease-free water and carrier RNA.

Description	MicroSpin Total RNA Kit
Method/Format	Column (silica-based)
Prep Size	Micro
Refine target molecule	Total RNA
Sample size	Up to 5 mg tissue or 5×10^5 cells
Sample type	Human/animal cells and tissues, Cultured cells, FFPE tissues
Target molecule	RNA

Description	Pk	Cat. No.
MicroSpin Total RNA Kit	5 Tests	13-6831-00
MicroSpin Total RNA Kit	50 Tests	13-6831-01
MicroSpin Total RNA Kit	200 Tests	13-6831-02

Description	Pk	Cat. No.
Accessories		
PerfectBind MicroSpin RNA columns	200	13-CSMR-02
RNA Lysis Buffer T	150 ml	13-TRK-02

RNA ISOLATION, TOTAL RNA KIT, PEQGOLD

Easy to use method for isolation up to 100 µg of total RNA from cultured eukaryotic cells and soft tissues $<1 \times 10^7$ cells or 30 mg tissue.

- Fast, 20 minutes or less
- Safe with no phenol/chloroform extractions
- Versatile with both spin and vacuum protocols available
- Homogeniser column reduces RNA column clogging
- Compatible with peqGOLD DNase I Digestion Kit for lowest level of gDNA co-purification (13-1091-01)



peqGOLD Total RNA kit

Description	Total RNA Kit
Method/Format	Column (silica-based)
Prep Size	Mini
Refine target molecule	Total RNA
Sample size	1×10^7 eukaryotic cells or 10 - 30 mg tissue
Sample type	Human/animal cells and tissues, Cultured cells, FFPE tissues
Target molecule	RNA

Description	Pk	Cat. No.
Total RNA kit	5 Tests	13-6834-00
Total RNA kit	50 Tests	13-6834-01
Total RNA kit	200 Tests	13-6834-02

Description	Pk	Cat. No.
Accessories		
PerfectBind RNA columns (Classic Line), red	200	13-CCR-02
DNA removing columns for use with peqGOLD RNA Kits (Classic Line)	200	13-HCR-02
RNA Lysis Buffer T	150 ml	13-TRK-02



Plasmid Miniprep Kit I

PLASMID PURIFICATION, PLASMID MINIPREP KIT I, PEQGOLD

Plasmid Miniprep Kit I for the easy, quick and efficient extraction of highly pure plasmid DNA. Isolate up to 30 µg of high quality plasmid DNA from 1 to 5 ml bacterial cultures in 30 minutes or less. Plasmid DNA obtained with peqGOLD Plasmid Miniprep kits can directly be used for a wide range of downstream applications.

- Suitable for the simultaneous processing of multiple samples
- Short hands-on and preparation times (<15 minutes)
- No need for organic extractions or precipitations
- Complete enzymatic degradation of all cellular RNA
- Efficient removal of enzyme inhibitors and contaminants

Each kit includes peqGOLD DNA columns and 2 ml collection tubes, RNase A solution, Solution I, II and III, HBC buffer and DNA wash buffer and elution buffer.

Description	Plasmid Miniprep Kit I
Method/Format	Column (silica-based)
Prep Size	Mini
Refine target molecule	Plasmid
Sample size	1 - 5 ml
Sample type	Bacteria
Target molecule	Plasmid

Description	Pk	Cat. No.
Plasmid Miniprep Kit I	5 Tests	13-6943-00
Plasmid Miniprep Kit I	50 Tests	13-6943-01
Plasmid Miniprep Kit I	200 Tests	13-6943-02

Description	Pk	Cat. No.
Accessories		
Solution I	60 ml	13-B2011-02
Solution II	60 ml	13-B2013-02
PerfectBind DNA columns (Classic Line), blue	200	13-CCB-02
PW Plasmid Buffer	80 ml	13-PWPL-02
SPW/CG Wash Buffer	25 ml	13-SPW-01



Plasmid Miniprep Kit II

PLASMID PURIFICATION, PLASMID MINIPREP KIT II, PEQGOLD

Isolate up to 40 to 70 µg of high quality plasmid DNA from up to 15 ml bacterial cultures in 30 minutes or less. Simplified with VWR peqGold Mini Column II technology into three quick steps: Bind, wash and elute.

- Safe, no phenol/chloroform extractions
- Versatile with both spin and vacuum formats available
- High quality DNA is suitable for a wide range of downstream applications

Each kit contains peqGOLD DNA columns, 2 ml collection tubes, Solution I, Solution II, Solution III, HBC buffer, DNA wash buffer, RNase A and elution buffer.

Description	Plasmid Miniprep Kit II
Method/Format	Column (silica-based)
Prep Size	Mini plus
Refine target molecule	Plasmid
Sample size	3 - 15 ml
Sample type	Bacteria
Target molecule	Plasmid

Description	Pk	Cat. No.
Plasmid Miniprep Kit II	5 Tests	13-6945-00
Plasmid Miniprep Kit II	50 Tests	13-6945-01
Plasmid Miniprep Kit II	200 Tests	13-6945-02

Description	Pk	Cat. No.
Accessories		
Solution I	60 ml	13-B2011-02
Solution II	60 ml	13-B2013-02
PerfectBind DNA columns (Classic Line), violet, for peqGOLD Plasmid Miniprep Kit II	200	13-CCV-02
PW Plasmid Buffer	80 ml	13-PWPL-02
SPW/CG Wash Buffer	25 ml	13-SPW-01



MICROCENTRIFUGES, VENTILATED/REFRIGERATED, MICRO STAR 17 / 17R

Micro Star 17 and 17R microcentrifuges combine power, versatility and convenience in a safe, compact, easy to use laboratory instrument. Both the ventilated Micro Star 17 and the refrigerated Micro Star 17R are designed to accelerate the routine sample preparation process. The special biocontainment rotor lid, for one-click rotor opening and closing, shortens retrieval time compared to screw on lids.

- Quiet and powerful performance up to 17000 xg
- ClickSeal® biocontainment rotor lid keeps the user and the samples safe
- Easy operation; intuitive controls and bright, easy to read displays
- Separate short-spin key for quick centrifugation

Supplied with 24-place rotor for 1,5/2,0 ml tubes aerosol-tight rotor lid and USB stick with manuals.

Model	Micro Star 17R	Micro Star 17
Temperature (°C)	-9...+40	
Max. speed (min ⁻¹)		13300
Max. RCF (xg)		17000
Timer	1 – 99 min (in increments of 1 min) + Hold mode	
Noise level (dB(A))	<50	<56
WxDxH (mm)	292x440x330	240x350x230

Description	Pk	Cat. No.
Refrigerated centrifuge		
Microcentrifuge, refrigerated, Micro Star 17R	1	521-1647
Non refrigerated centrifuge		
Microcentrifuge, ventilated, Micro Star 17	1	521-1646

Welcome to VWR's guide to microbiology products

Our microbiology portfolio includes dehydrated, granular and ready to use media for a wide variety of applications in many different industries, including pharmaceutical, cosmetic, food, dairy, environment and water control.

All our media are, as you would expect, produced using high quality raw materials and are subject to strict quality controls in a production environment following Good Manufacturing Practice guidelines.

- High quality raw materials are selected for the highest quality products
- Compliant with International standards, such as ISO and Pharmacopoeia
- Available in standard formulations and animal-free

Dehydrated and granulated products are available in 500 g and 5 kg packs depending on your usage, and our ready to use media offers time and cost savings from convenient, easy to use formulations ranging from plates to bottles, bags and tubes.

Discover the difference between working with regular media and granulated media in a video.

Product Specification



Buffered peptone water (ISO)		Code wvm.200
Also known as: Peptone water (ISO)		Code wvm.200
Intended use		
Non-selective enrichment liquid medium, used in the methods for the detection or enumeration of <i>Salmonella</i> spp. in the food chain (ISO 4879) and in the rapid microbiology method (RPM) - detection (ISO 15005), Compendex (ISO 15005) and ISO 15005-2.		
Formula - Composition (g/L)		
Peptone	10.0	
Yeast extract	5.0	
Sodium chloride	5.0	
Sodium phosphate dibasic	0.5	
Final pH 7.0 ± 0.1 at 25 °C		
Preparation for preparation		
Dissolve 20.0 g of the powdered water, by heating if necessary. Dispense the medium into flasks or tubes of suitable capacity. Sterilize in the autoclave at 121 °C for 15 minutes.		
Principle of the method and general information		
Buffered peptone water is a non-selective medium recommended for sample preparation and dilution for all methods for the detection or enumeration of <i>Salmonella</i> spp. in food, as described in the methods of ISO 4879 (ISO 15005-1), ISO 15005-2, for the non-selective pre-enrichment of <i>Salmonella</i> spp. in the food chain (ISO 4879) and in the Compendex (ISO 15005-2) and for the non-selective pre-enrichment for the enumeration of <i>Salmonella</i> spp. in food and animal feeding stuffs (ISO 15005-2).		
Instructions for use		
The detection limit varies according to the method used. The detection limit depends on the purpose for which the liquid medium is used. Refer to the ISO Standards and Compendex (Pharmacopoeia) for the details of the procedures.		
Quality Control		
Physical characteristics:	Single, free, homogeneous, granular powder	
Microbiological characteristics:	Final pH 7.0 ± 0.1	
Stability		
This document has been produced electronically and is valid without signature.		
VWR standard		

DOCUMENTATION

Documentation is available for download from our website vwr.com for all media products.

- Technical Data Sheets (TDS)
- Custom products available
- Certificate of Analysis (CoA) in compliance with 11133 ISO Standard
- Material Safety Data Sheets (MSDS)

For ready to use media you will also find VHP resistance studies and certificates of irradiation/dosimetry where appropriate.



Plate count agar (granulated)

DEHYDRATED CULTURE MEDIA, GRANULATED

VWR dehydrated culture media that has been granulated offers both convenience and safety benefits. The correct dissolution of culture media is critical to achieving the best performance. Granulated culture media saves time in the preparation of ready to use culture media. In addition, granulation reduces dust generation, so handling the product is more pleasant and safer for the user, making it a much cleaner and safer working environment.

Buffered peptone water (granulated) is used as a pre-enrichment medium for increasing the recovery of injured *Salmonella* species from foods prior to selective enrichment and isolation. The composition and performance criteria of this medium are as per the applications laid down in ISO 6579-2017.

CLED agar (granulated) is recommended for isolation, enumeration and differentiation of urinary pathogens on the basis of lactose fermentation.

Columbia agar (granulated) is recommended for detection of *Clostridium sporogenes* from pharmaceutical products in accordance with the microbial limit testing by harmonised methodology of USP/EP/BP/JP/IP.

DEV nutrient agar (granulated) is recommended for the enumeration of microorganisms in water, food and other materials. This medium can also be enriched with blood, other biological fluids like ascitic fluid, serum or other supplements to promote growth of fastidious organisms.

LB (Luria Bertani) medium, Miller (granulated) is recommended for cultivation and maintenance of recombinant strains of *Escherichia coli* and may be used for routine cultivation of not particularly fastidious microorganisms.

Luria medium (granulated) is recommended for routine cultivation and estimation of not particularly fastidious microorganisms and for the cultivation and maintenance of recombinant strains of *Escherichia coli*.

MacConkey broth (granulated) is used for the selective enrichment of *E.coli* from pharmaceutical products in accordance with microbial limit testing by USP/EP/BP/JP harmonised methods.

Plate count agar (granulated) is recommended for the determination of plate counts of microorganisms in food, water, wastewater and clinical samples.

Sabouraud dextrose agar (granulated) is recommended for the cultivation of yeasts, moulds and aciduric bacteria from pharmaceutical products in accordance with microbial limit testing by USP/EP/BP/JP harmonised methods.

Soybean casein digest medium (granulated) is a general purpose medium used for the cultivation of a wide variety of microorganisms, and for sterility testing of moulds and lower bacteria in accordance with USP/EP/BP/JP/IP harmonised methods.

Tryptic soy broth non animal origin IRRADIATED (granulated) is prepared by completely replacing animal-based peptones with vegetable peptones. It is a γ irradiated sterile product recommended for the evaluation of sterility in manufacturing process.

Violet red bile (VRB) agar (granulated) is recommended for selective isolation, detection and enumeration of coli-aerogenes bacteria in food, water, milk, other dairy products and clinical samples.

Violet red bile glucose agar (granulated) is recommended for detection and enumeration of *Enterobacteriaceae* from pharmaceutical products in accordance with microbial limit testing by USP/EP/BP/JP/IP harmonised methods.

XLD (Xylose Lysine Deoxycholate) agar (granulated) is recommended for the selective isolation and enumeration of *Salmonella Typhi* and other *Salmonella* species.

Yeast extract agar, modified (granulated) is recommended for enumeration of microorganisms from water. The composition and performance criteria of this medium are as per the specifications laid down in ISO 6222:1999.

Yeast glucose chloramphenicol agar (granulated) is a selective agar recommended for enumerating yeasts and moulds in milk and milk products.

Description	Food	Water	Pharma/cosmetics	Clinical	Standards	Pk	Cat. No.
Buffered peptone water (granulated)	+	+	+	-	ISO 6579-1, ISO 22964, ISO 21528-1	500 g	85948.0500
Buffered peptone water (granulated)	+	+	+	-	ISO 6579-1, ISO 22964, ISO 21528-1	5 kg	85948.5000
China Blue Lactose agar	+	+	-	-	Determination of the germ count in milk	500 g	85879.0500
CLED agar (granulated)	+	-	-	+		500 g	85866.0500
CLED agar (granulated)	+	-	-	+		5 kg	85866.5000
Columbia agar (granulated)	-	-	+	-	Ph. Eur., USP, JP	500 g	85843.0500
Columbia agar (granulated)	-	-	+	-	Ph. Eur., USP, JP	5 kg	85843.5000
DEV nutrient agar (granulated)	+	+	+	+		500 g	85868.0500
DEV nutrient agar (granulated)	+	+	+	+		5 kg	85868.5000
LB (Luria Bertani) agar, Miller (granulated)	-	-	-	+	-	5 kg	85858.5000
LB (Luria Bertani) agar, Miller (granulated)	-	-	-	+	-	500 g	85858.0500
LB (Luria Bertani) broth, Miller (granulated)	-	-	-	+	-	500 g	85856.0500
LB (Luria Bertani) broth, Miller (granulated)	-	-	-	+	-	5 kg	85856.5000
Luria agar (granulated)	-	-	-	+	-	500 g	85857.0500
Luria agar (granulated)	-	-	-	+	-	5 kg	85857.5000
Luria broth (granulated)	-	-	-	+	-	500 g	85859.0500
Luria broth (granulated)	-	-	-	+	-	5 kg	85859.5000
MacConkey broth (granulated)	-	-	+	-	Ph. Eur., USP, JP	500 g	85835.0500
MacConkey broth (granulated)	-	-	+	-	Ph. Eur., USP, JP	5 kg	85835.5000
Plate count agar (granulated)	+	+	+	-	ISO/APHA	500 g	85941.0500
Plate count agar (granulated)	+	+	+	-	ISO/APHA	5 kg	85941.5000
Sabouraud dextrose agar (granulated)	+	-	+	-	Ph. Eur., USP, JP	500 g	85836.0500
Sabouraud dextrose agar (granulated)	+	-	+	-	Ph. Eur., USP, JP	5 kg	85836.5000
Tryptic soy agar (granulated)	+	+	+	-	Ph. Eur., USP, JP	500 g	85834.0500
Tryptic soy agar (granulated)	+	+	+	-	Ph. Eur., USP, JP	5 kg	85834.5000
Tryptic soy broth (granulated)	-	-	+	-	Ph. Eur., USP, JP	500 g	85833.0500
Tryptic soy broth (granulated)	-	-	+	-	Ph. Eur., USP, JP	5 kg	85833.5000
Tryptic soy broth non animal origin irradiated (granulated)	-	+	-	+		500 g	85865.0500
Tryptic soy broth non animal origin irradiated (granulated)	-	+	-	+		5 kg	85865.5000
Violet red bile (VRB) agar (granulated)	+	-	-	-	-	500 g	85845.0500
Violet red bile (VRB) agar (granulated)	+	-	-	-	-	5 kg	85845.5000
Violet red bile glucose agar (VRBGA) (granulated)	-	-	-	-	Ph. Eur., USP, JP	500 g	85949.0500
Violet red bile glucose agar (VRBGA) (granulated)	-	-	-	-	Ph. Eur., USP, JP	5 kg	85949.5000
XLD (Xylose Lysine Deoxycholate) agar (granulated)	+	-	+	-		500 g	85864.0500
XLD (Xylose Lysine Deoxycholate) agar (granulated)	+	-	+	-		5 kg	85864.5000
Yeast extract agar, modified (granulated)	-	+	-	-		500 g	85867.0500
Yeast extract agar, modified (granulated)	-	+	-	-		5 kg	85867.5000
Yeast glucose chloramphenicol agar (granulated)	-	-	-	-	ISO	500 g	85832.0500
Yeast glucose chloramphenicol agar (granulated)	-	-	-	-	ISO	5 kg	85832.5000



DEHYDRATED CULTURE MEDIA, POWDERED

A range of culture media in compliance with ISO standards and the International Harmonised Pharmacopoeia. All our media are, as you would expect, produced using high quality raw materials and are subject to strict quality controls, in a production environment following Good Manufacturing Practice guidelines. Raw materials are selected in compliance with the required standards. Dehydrated culture media should be stored at 10 to 30 °C unless otherwise stated, in their closed containers in a dry environment. Standard pack size is 500 g.

- Compliant with international standards, such as ISO and Pharmacopoeia
- Media growth promotion testing performed is compliance with Pharmacopoeias and ISO 11133
- Available in animal-free standard formulations
- Custom products available

Description	Required supplements	Food	Water	Pharma/cosmetics	Clinical	Standards	Pk	Cat. No.
Antibiotic medium E						Ph. Eur	500 g	85056.0500
Baird Parker agar (base)	351430XF, 602730ZL	+		+		ISO 5944, 6888-1, 22718 and USP	500 g	84664.0500
BAT agar		+		-		-	500 g	85940.0500
BCSA Burkholderia cepacia selective agar base for determination of the absence of Burkholderia cepacia complex (BCC) in non sterile pharmaceuticals products	85884.0001			+		USP	500 g	85883.0500
Blood agar (base)		+			+	ISO 11133	500 g	84619.0500
Blood agar no. 2 (base)		+			+	ISO 11290-1, ISO 11290-2	500 g	84647.0500
Brain heart infusion broth		+	+		+	ISO 11133-2, DIN 10163, ISO 6888-1, ISO 6888-2, ISO 6888-3	500 g	84626.0500
Brain heart infusion broth						ISO 11133-2, DIN 10163, ISO 6888-1, ISO 6888-2, ISO 6888-3	5 kg	84626.5000
Brilliant green agar		+		+	+	ISO 19250	500 g	84631.0500
Brilliant green agar modified (brilliant green phenol red lactose agar)		+	+			ISO 6340, DIN 10160, DIN 10181, ISO 19250	500 g	84634.0500
Brilliant green bile broth		+	+			APHA, ISO 4831, ISO 4832	500 g	84682.0500
Buffered peptone water		+	+	+		ISO 6579, 11290-2, 6887-1, ISO 22964, ISO 21528, ISO 19250	500 g	84600.0500
Buffered peptone water		+		+		ISO 6579, 11290-2, 6887-1, ISO 22964, ISO 21528, ISO 19250	5 kg	84600.5000
Buffered peptone water		+		+		ISO 6579, 11290-2, 6887-1, ISO 22964, ISO 21528, ISO 19250	25 kg	84600.25000
Buffered peptone water		+		+		ISO 6579, 11290-2, 6887-1, ISO 22964, ISO 21528, ISO 19250	5 kg	85053.5000
Buffered sodium chloride peptone broth				+		Ph. Eur., USP, JP, ISO 21149	500 g	84605.0500
Campylobacter blood-free medium base Bolton (mCCDA)	84742.0001	+			+	ISO 10272, ISO 17995	500 g	84695.0500
Campylobacter blood-free medium base Bolton (mCCDA)		+			+	ISO 10272, ISO 17995	5 kg	84695.5000
Campylobacter Bolton broth base (modified CCDA)	84744.0001				+	ISO 10272	500 g	84697.0500
Campylobacter Karmali medium agar base	84743.0001	+				ISO 10272, AOAC	500 g	84696.0500
Casein peptone lecithin polysorbate broth				+		USP	500 g	84901.0500
Chromogenic coliform agar (CCA)	928390NL	+	+			ISO 9308-1	500 g	84903.0500
Chromogenic Cronobacter CLED agar	—	+		-		ISO 22964	500 g	85881.0500
Columbia agar base		+		+	+	Ph. Eur., USP, JP, ISO 14189, ISO 10272	500 g	84621.0500
Columbia agar base		+		+		Ph. Eur., USP, JP, ISO 14189, ISO 10272	5 kg	84621.5000
Dichloran glycerol (DG18) agar base	84729.0001	+				ISO 21527-2	500 g	84632.0500
Dichloran Rose Bengal Chloramphenicol (DRBC) agar		+				ISO 21527-1	500 g	84670.0500
Differential clostridial agar		+					500 g	85837.0500

Description	Required supplements	Food	Water	Pharma/cosmetics	Clinical	Standards	Pk	Cat. No.
Double Modified Lysine Iron Agar (DMLIA) for the selective and differential isolation of Salmonella spp. from food, according to USDA-FSIS method.	85886.0001	+				USDA; FSIS method	5 kg	85885.5000
Double Modified Lysine Iron Agar (DMLIA) for the selective and differential isolation of Salmonella spp. from food.	85886.0001	+				USDA; FSIS method	500 g	85885.0500
EC broth		+				ISO 7251, 9308-2	500 g	84627.0500
Endo LES agar		+	+			APHA, standard methods for the examination of water and wastewater	500 g	84645.0500
Enterobacteriaceae enrich. broth mossel	—	+		-		APHA, ISO 21528	5 kg	84678.5000
Enterobacteriaceae enrichment broth (Mossel)		+				APHA, ISO 21528	500 g	84678.0500
Enterobacteriaceae enrichment broth (Mossel)				+		Ph. Eur., USP, JP	500 g	84689.0500
Enterobacteriaceae enrichment broth (Mossel)				+		Ph. Eur., USP, JP	5 kg	84689.5000
Eugon LT modified agar base	303570ZK	-		+		ISO 211149	500 g	85889.0500
Eugon LT modified agar base	303570ZK	-		+		ISO 211149	5 kg	85889.5000
Eugon LT modified broth base	303570ZK	-		+		ISO 211149	500 g	85888.0500
Eugon LT modified broth base	303570ZK	-		+		ISO 211149	5 kg	85888.5000
Fecal coliforms agar (m-FC agar)	355070ZF	+	+			APHA, AWWA, WEF	500 g	84644.0500
Fluid thioglycolate medium				+	+	Ph. Eur., USP, JP	500 g	84681.0500
Fluid thioglycolate medium				+		Ph. Eur., USP, JP	5 kg	84681.5000
Fraser broth base (ISO)	84720.0001 and 84721.0001	+				ISO 11290	500 g	84611.0500
Fraser broth base (ISO)	84720.0001 and 84721.0001	+				ISO 11290	5 kg	84611.5000
Giolitti-Cantoni broth	900010ZK	+	-		-	ISO 6888-3, ISO 5994, FIL-IDF	500 g	85942.0500
GSP (glutamate starch phenol red) agar	-	-	+		+	-	500 g	85946.0500
Hektoen enteric agar		+				ISO 11133, ISO, AOAC, APHA	500 g	84691.0500
Kanamycin aesculine azide agar		+					500 g	85838.0500
KF Streptococcus agar	84731.0001	+	+			ISO 11133, APHA	500 g	84633.0500
Lactose TTC Tergitol® 7 agar (Chapman TTC agar)	301950ZK		+			Ph. Eur.	500 g	84657.0500
Lauryl sulphate broth		+				ISO 7251, ISO 4831, ISO 9308-2	500 g	84639.0500
LB agar acc. Miller				+		ISO 11133	500 g	84684.0500
LB agar acc. Miller				+		ISO 11133	5 kg	84684.5000
LB broth acc. Lennax				+			5 kg	85947.5000
LB broth acc. Miller				+		ISO 11133	500 g	84649.0500
LB broth acc. Miller				+		ISO 11133	5 kg	84649.5000
Legionella CYE agar base	84725.0001, 84726.0001, 84727.0001	+	+			ISO 11731	500 g	84629.0500
Legionella CYE agar base	84725.0001, 84726.0001, 84727.0001	+	+			ISO 11731	5 kg	84629.5000
Lethen broth modified		+		+		ISO 21149, ISO 22717 and ISO 22718, USP, ASTM, E 640-78	500 g	84673.0500
Linde grain medium						-	5 kg	84954.5000
Linden grain broth		+				-	5 kg	84951.5000
Linden grain broth						-	20 kg	84951.20000
Listeria buffered enrichment broth base	928380NL	+		+		ISO 11133-2, FDA-BAM, FIL-IDF	500 g	84652.0500
Listeria enrichment broth		+		+		ISO 11133-2, FIL-IDF, FDA	500 g	84606.0500
Listeria selective agar according to Ottaviani & Agosti	335032ZF, 928460NL					ISO 6579, ISO 11290	500 g	84748.0500
Lysine agar		+				-	500 g	85050.0500
MacConkey agar		+	+	+	+	Ph. Eur., USP, JP, ISO 21567	500 g	84614.0500
MacConkey broth		+	+			ISO 11133-2, ISO 9208-2	500 g	84680.0500
MacConkey broth	-	+	-		+	Ph. Eur., USP, JP	500 g	85943.0500
Malt extract agar no. 2		+				ISO 11133	500 g	84665.0500
Malt extract broth						ISO 11133	500 g	84666.0500
Mannitol egg yolk polymyxin agar base – MYP agar acc. to Mossel	84732.0001, 84733.0001	+				ISO 7932, ISO 21871	500 g	84635.0500

Description	Required supplements	Food	Water	Pharma/cosmetics	Clinical	Standards	Pk	Cat. No.
Mannitol salt phenol-red agar		+		+	+	Ph. Eur., USP, JP	500 g	84622.0500
Maximum recovery diluent		+				ISO 6887	500 g	84617.0500
M-broth		+				ISO 11133, APHA	500 g	84690.0500
Membrane lactose glucuronide agar			+			-	500 g	84909.0500
Milk plate count agar		+				DIN/IDF, ISO 17410, ISO 8552, ISO 4883	500 g	84643.0500
MOPS buffered listeria enrichment broth (mops-bleb). Enrichment broth recommended by USDA-FSIS procedure for the isolation and identification of Listeria monocytogenes in food.	-	+				USDA; FSIS method	500 g	85887.0500
MOPS buffered listeria enrichment broth (mops-bleb) Enrichment broth recommended by USDA-FSIS procedure for the isolation and identification of Listeria monocytogenes in food.	-	+				USDA; FSIS method	5 kg	85887.5000
MRS agar		+				ISO 15214	500 g	84607.0500
MRS broth		+				ISO 11133	500 g	84613.0500
Mueller Hinton agar					+	ISO 11133	500 g	84686.0500
Mueller Hinton broth				+	+	CLSI(NCCLS)/CMPH	500 g	84648.0500
Muller Kauffmann tetrathionate-novobiocin broth (MKTTN)	84639.0500, 84722.0001, 84723.0001	+				ISO 6579-1, ISO 19250	500 g	84624.0500
Nutrient agar (isotonic)		+				-	25 kg	84953.25000
Nutrient agar DEV		+	+			ISO 6222, TWV 2001	500 g	84749.0500
Nutrient agar no. 1		+			+	ISO 11133-2, DIN	500 g	84654.0500
Nutrient broth		+				APHA and ISO 6340, 6569, 6785, 8523, 10273 and 16266	500 g	84662.0500
Orange serum agar		+				IFU methods, ISO 8914-1, ISO 8914-1	500 g	84646.0500
Orange serum agar		+				IFU methods, ISO 8914-1, ISO 8914-1	5 kg	84646.5000
Oxford agar base	84728.0001	+				ISO 11290	500 g	84630.0500
Oxytetracycline-glucose-yeast extract agar base (OGYE agar)	968190NL	+				ISO 13681	500 g	84659.0500
Palcam agar base	84724.0001	+				ISO 11290	500 g	84625.0500
Plate count agar-PCA (Standard methods agar)		+	+	+		ISO 4832	500 g	84608.0500
Plate count agar-PCA (Standard methods agar)		+		+		ISO 4832	5 kg	84608.5000
Potato dextrose agar		+		+		Ph. Eur., USP, JP	500 g	84651.0500
Potato dextrose broth		+				ISO 11133	500 g	84957.0500
Pseudomonas agar base (ISO)	84730.0001, 84747.0001, 84746.0001, 84745.0001	+	+			ISO 13720, ISO 16266, ISO 11059	500 g	84650.0500
Pseudomonas selective (cetrimide) agar	84730.0001			+		Ph. Eur., USP, JP	500 g	84638.0500
R2A agar		+	+	+		Ph. Eur.	500 g	84671.0500
Raka Kay agar		+				-	500 g	85051.0500
Rappaport-Vassiliadis (RSV) broth		+				ISO 6579 and FIL-IDF	500 g	84656.0500
Rappaport-Vassiliadis salmonella enrichment broth		+		+		ISO 6340, Ph. Eur., USP, JP	500 g	84658.0500
Reinforced clostridial medium		+				ISO 11133, Ph. Eur., USP, JP	500 g	84699.0500
Reinforced clostridial medium without agar	—	+		-		ISO	500 g	85863.0500
Rose Bengal chloramphenicol agar		+	+	+		ISO 11133, APHA	500 g	84669.0500
Sabouraud 2% dextrose broth		+		+		ISO 11133, Ph. Eur., USP, JP ISO	500 g	84685.0500
Sabouraud dextrose agar		+		+		ISO 13681	500 g	84663.0500
SDA with chloramphenicol		+		+		Ph. Eur., ISO 11133	500 g	84902.0500
SDA with chloramphenicol (50 mg/l) agar		+		+		Ph. Eur.	500 g	85839.0500
Selenite cystine broth		+		+	+	ISO 11133, ISO 6785, USP APHA	500 g	84655.0500
Slanetz and Bartley agar			+			ISO 7899-2	500 g	84900.0500
Slanetz and Bartley agar	301950ZK		+			ISO 7899-2	500 g	84907.0500
SPS agar		+				-	500 g	84950.0500
TCBS agar		+				ISO 8914, ISO 21872-2	500 g	84641.0500
Tetrathionate crystal-violet broth		+				ISO 11133	500 g	84694.0500
Triple-sugar iron agar		+				ISO 6579, ISO 19250, ISO 21567	500 g	84698.0500
Tryptic soy agar (caso)		+	+	+		Ph. Eur., USP, JP, ISO 9308-1, ISO 21871, ISO 22964	500 g	84602.0500
Tryptic soy agar (caso)		+	+	+		Ph. Eur., USP, JP, ISO 9308-1, ISO 21871, ISO 22964	5 kg	84602.5000
Tryptic soy broth, non animal origin, irradiated, triple-wrapped		+		+		Ph. Eur., USP, JP	500 g	84855.0500

Description	Required supplements	Food	Water	Pharma/cosmetics	Clinical	Standards	Pk	Cat. No.
Tryptic soy broth, non animal origin, irradiated, triple-wrapped		+		+		Ph. Eur., USP, JP	5 kg	84855.5000
Tryptic soy broth, non animal origin, with agar K		+		+		Ph.Eur., USP, JP	500 g	85055.0500
Tryptic soy broth (Caso)		+		+		Ph. Eur., USP, JP	500 g	84675.0500
Tryptic soy broth (TSB)		+		+		Ph. Eur., USP, JP	25 kg	84675.25000
Tryptic soy broth irradiated		+		+		Ph. Eur., USP, JP	500 g	84677.0500
Tryptic soy broth irradiated		+		+		Ph. Eur., USP, JP	5 kg	84677.5000
Tryptic soy broth irradiated		+		+		Ph. Eur., USP, JP	10 kg	84677.10000
Tryptic soy broth non animal origin		+		+		Ph. Eur., USP, JP	500 g	84679.0500
Tryptic soy broth non animal origin		+		+		Ph. Eur., USP, JP	5 kg	84679.5000
Tryptic soy broth non animal origin		+		+		Ph. Eur., USP, JP	25 kg	84679.25000
Tryptic soy broth non animal origin, irradiated		+		+		Ph. Eur., USP, JP	5 kg	84674.5000
Tryptic soy broth non animal origin irradiated		+		+		Ph. Eur., USP, JP	500 g	84674.0500
Tryptone bile x-glucuronide agar (TBX)		+				ISO 16649	500 g	84637.0500
Tryptose cycloserine agar (TCA), base			+			ISO 14189	500 g	85054.0500
Tryptose sulphite cycloserine (TSC) agar	84734.0001	+				ISO 7937, ISO 15213	500 g	84636.0500
Tryptone soya broth (TSB)		+		+		Ph. Eur., USP, JP	5 kg	84675.5000
Tryptone yeast extract agar			+			ISO 5667, ISO 6887, ISO 8199	500 g	84906.0500
Tryptose sulphite cycloserine (TSC) agar	928330NL, 928620NL and 351430ZF	+	+			ISO7937, ISO 14189	500 g	84905.0500
Universal beer agar		+	-	-	-	-	500 g	85877.0500
Urea agar base	992830ZF	+				ISO 6340, DIN, ISO 6785, ISO 21567, FIL	500 g	84653.0500
Violet red bile glucose (VRBG) agar		+				ISO 21528	500 g	84603.0500
Violet red bile glucose (VRBG) agar		+				ISO 21528	5 kg	84603.5000
Violet red bile lactose (VRB) agar		+				ISO 4832	500 g	84612.0500
Violet red bile lactose (VRB) MUG agar		+				-	500 g	84956.0500
WL nutrient agar		+					500 g	85945.0500
Wort agar	84730.0001	+				ISO 11133	500 g	84661.0500
Wort broth	84730.0001	+				ISO 11133	500 g	84660.0500
Xylose lysine deoxycholate (XLD) modified agar		+		+		ISO 6579 and 21567	500 g	84667.0500
Yeast and mould agar		+				-	500 g	85052.0500
Yeast extract agar						ISO 6222	5 kg	84683.5000
Yeast extract agar modified			+			ISO 6222	500 g	84683.0500
Yeast extract dextrose chloramphenicol (YGC) agar		+				ISO 11133-2, ISO 7964, FIL-IDF, DIN 10186	500 g	84604.0500

BASE MATERIALS FOR DEHYDRATED MEDIA

The ingredients used to prepare culture media are very important, because ultimately the results depend on the quality of these compounds. Raw materials should be stored at 10 to 30 °C unless otherwise stated, in their closed containers in a dry environment.

- Ingredients are specifically selected to ensure consistent, reproducible results
- Manufactured under the strictest cGMP standards

Description	Pk	Cat. No.
Bacteriological agar	5 kg	84609.5000
Bacteriological agar	500 g	84609.0500
Casein hydrolisate acid	500 g	85862.0500
Casein hydrolisate acid	5 kg	85862.5000
Casein hydrolysate (acid)	500 g	84623.0500
Hiveg pea hydrolysate	25 kg	84862.25000
Malt extract	500 g	84618.0500
Meat extract dry	5 kg	84688.5000
Meat extract dry	500 g	84688.0500
Peptone, meat	500 g	84687.0500
Peptone, meat (enzymatic digest of animal tissue)	500 g	84620.0500
Skimmed milk powder	500 g	84615.0500
Skimmed milk powder	5 kg	84615.5000
Soya peptone (enzymatic digest of soybean meal)	500 g	84616.0500
Tryptone (peptone from casein)	500 g	84610.0500
Tryptone (peptone from casein)	5 kg	84610.5000
Yeast extract	5 kg	49933200
Yeast extract	500 g	84601.0500
Yeast extract	5 kg	84601.5000



MEDIA SUPPLEMENTS FOR DEHYDRATED CULTURE MEDIA

These standard supplements can be used with several culture media to prepare the complete culture media for your specific purpose. Most of these supplements are available as freeze-dried in vials and this ensures:

- No toxic agent aerosols released upon opening
- Standard volumes make preparation easier
- User friendly screw caps
- Can be stored at room temperature

Description	Pk	Cat. No.
Ampicillin selective supplement	10	928010NL
Campylobacter Bolton	10	928250NL
Campylobacter growth supplement	10	928030NL
Campylobacter Preston selective supplement with amphotericin B antifungal	10	928080NL
Campylobacter Preston select supplement	10	928050NL
Chloramphenicol 25 selective supplement	10	928260NL
Coliform CV selective supplement	10	928390NL
Cycloheximide selective supplement	10	928370NL
D-Cycloserine selective supplement	10	928330NL
Ferric ammonium citrate supplement (250 mg)	10	928300NL
Ferric ammonium citrate supplement (312 mg)	10	928340NL
Fraser half selective supplement	4 Vial	84721.0002
GPS growth promotion supplement	5	968290NL
Haemophilus supplement	10	928240NL
Legionella BCYE growth supplement	5	968130NL
Legionella Byce/Ab selective supplement	10 Vial	928860NL
Legionella GVPC selective supplement	10	928140NL
Listeria enrichment supplement	10	335032ZF
Listeria FDA FIL/IDF selective supplement	10	928380NL
Listeria Fraser/UVM II selective supplement	10	928110OL
Listeria half Fraser selective supplement	10	928280NL
Listeria Oxford selective supplement	10	928170OL
Listeria Palcam selective supplement	10	928200NL
Listeria selective supplement	10	928460NL
Listeria UVM I selective supplement	10	928150NL
M-CP selective supplement	10	928320NL
MUG fluorescent supplement	10	928360NL

Description	Pk	Cat. No.
Mup/cycloserine selective supplement	10	928620NL
Nalidixate selective supplement	10	928090NL
Novobiocin selective supplement	10	928180NL
Oxytetracycline selective supplement	10	928190NL
Polymixin selective supplement	10	928020NL
Polysorbate 80 (Tween® 80)	100 mL	303570ZK
Rosolic acid solution 0,1% supplement for 12 L media in total	100 ml	355070ZF
RPF supplement for 1 L media	10	602730ZL
Sodium bisulphite selective supplement	10	928350NL
VCNT selective supplement	10	928230NL
Yersinia selective supplement	10	928240OL



Media supplements for VWR dehydrated culture media

MEDIA SUPPLEMENTS FOR VWR DEHYDRATED CULTURE MEDIA

The isolation of microorganisms often requires the use of specific supplements. The supplements presented here are available in vials and bottles, and the corresponding culture medium to use with them is indicated in the table below. Usually each vial is used to supplement 500 ml of media unless otherwise stated (complete information available on the specification sheets available on request).

Description	For	Pk	Cat. No.
AB supplement	Legionella CYE agar base (ISO) Cat. No. 84629.0500	10 Vial	85860.0001
Bacillus cereus anti-microbial supplement	Mannitol egg yolk polymyxin agar base - MYP (ISO) Cat. No. 84635.0500	10 Vial	84732.0001
BCSA Burkholderia cepacia supplement for freeze-dried selective supplement for the preparation of Burkholderia cepacia used for the determination of the absence of Burkholderia cepacia complex (Bcc) in non sterile pharmaceutical products	BCSA Burkholderia Cepacia Selective agar base Cat. No. 85883.0500	10 Vial	85884.0001
BCYE α-growth supplement	Legionella CYE agar base (ISO) Cat. No. 84629.0500	4 Vial	84726.0001
BCYE α-growth supplement without cysteine	Legionella CYE agar base (ISO) Cat. No. 84629.0500	4 Vial	84727.0001
Bolton broth selective supplement	Campylobacter Bolton broth base Cat. No. 84697.0500	10 Vial	84744.0001
Campylobacter Bolton selective supplement, 225 ml	Campylobacter Bolton broth base Cat. No. 84697.0500	10 Vial	928580NL
CCD selective supplement	Campylobacter blood-free medium base Bolton - MCCDA Cat. No. 84695.0500	10 Vial	84742.0001
CFC selective supplement	Pseudomonas agar base Cat. No. 84650.0500 - in compliance with ISO 13720 (meat products)	10 Vial	84746.0001
Chloramphenicol	DG18 agar base Cat. No. 84632.0500	10 Vial	84729.0001
CN selective supplement	Pseudomonas agar base Cat. No. 84650.0500 - in compliance with EN 12780	10 Vial	84745.0001
d-Cycloserine selective supplement, 40 mg	TSC (ISO) Cat. No. 84905.0500 and Cat. No. 85054.0500	10	928610NL
d-Cycloserine supplement	Tryptose sulphite cycloserine (TSC) agar Cat. No. 84636.0500	10 Vial	84734.0001
DMLIA Novobiocin supplement freeze-dried selective supplement for the preparation of double-modified lysine iron agar (DMLIA) used for the selective and differential isolation of Salmonella spp. from food	Double Modified Lysine Iron agar (DMLIA) Cat. No. 85885.0500 and 85885.5000	10 Vial	85886.0001
Egg yolk emulsion	Mannitol egg yolk polymyxin agar base - MYP (ISO) Cat. No. 84635.0500	50 ml	84733.0001
Fraser half selective supplement	Fraser broth to prepare half Fraser broth Cat. No. 84611.0500	10 Vial	84721.0001
Fraser selective supplement	Fraser broth Cat. No. 84611.0500	10 Vial	84720.0001
Glycerol for up to 10 L media	Pseudomonas agar base Cat. No. 84650.0500; Pseudomonas selective (cetrimide) agar (Ph. Eur., USP, JP) Cat. No. 84638.0500; Wort broth Cat. No. 84660.0500; Wort agar Cat. No. 84661.0500	100 ml	84730.0001
GVPC supplement	Legionella CYE agar base (ISO) Cat. No. 84629.0500	4 Vial	84725.0001
Iodine iodide solution for 2,5 L media in total	Muller-Kauffmann tetrathionate-novobiocin broth (MKTn) (ISO) Cat. No. 84624.0500	50 ml	84723.0001
Karmali selective supplement	Karmali medium base Cat. No. 84696.0500	10 Vial	84743.0001
MWY selective supplement	Legionella CYE agar base (ISO) Cat. No. 84629.0500	4 Vial	85861.0001
Novobiocin MKTn supplement	Muller-Kauffmann tetrathionate-novobiocin broth (MKTn) (ISO) Cat. No. 84624.0500	10 Vial	84722.0001
Oxford supplement	Oxford agar base Cat. No. 84630.0500	10 Vial	84728.0001
Palcam supplement	Palcam agar base (ISO) Cat. No. 84625.0500	10 Vial	84724.0001
Potassium tellurite 1% supplement	Giolitti-Cantoni broth agar base (ISO)	100 ml	900010ZK
PP selective supplement	Pseudomonas agar base Cat. No. 84650.0500 - in compliance with ISO 11059 (milk and dairy products)	10 Vial	84747.0001
TTC 1% solution for 3 L media in total	KF Streptococcus agar base Cat. No. 84633.0500	30 ml	84731.0001
TTC 1% sterile solution	Lactose TTC Tergitol® 7 agar Cat. No. 84657.0500 and Slanetz-Bartley agar (ISO) Cat. No. 84907.0500	100 mL	301950ZK
Urea 40% solution	Urea agar base Cat. No. 84653.0500	100 ml	992830ZF
Vancomycin selective supplement	-	10	928570NL



Pre-weighed dehydrated culture media in sachets

PRE-WEIGHED DEHYDRATED CULTURE MEDIA IN SACHETS

Dehydrated culture media in small sachets ready to make up exactly 500 ml of medium.

- Quick: Simply open the sachet and you have the right quantity of powder to prepare 500 ml of medium
- Safe: No more need to transfer and weigh powder
- Always fresh media for best quality: All the dehydrated media inside the sachet is always used immediately after opening the packaging
- Space saving: You can have tens of dehydrated media stored in a very small space inside your laboratory
- Saving money: You buy only the quantity of dehydrated media that you really need

Every pack contains 5 sachets each of which allows to prepare 500 ml of medium.

About 140 different culture media available.

Description	Pk	Cat. No.
Acetate differential agar	5	A887SAC5
Antibiotic medium A pH 6,6	5	A990SAC5
Antibiotic medium A pH 7,9	5	A935SAC5
Asparagine broth	5	B453SAC5
Bacillus cereus agar base	5	A484SAC5
Bacillus cereus selective agar	5	A265SAC5
Baird parker agar	5	A919SAC5
BAT agar	5	A857SAC5
BAT broth	5	B857SAC5
BCYE legionella agar base	5	A865SAC5
Beerens diluent	5	B475SAC5
Bengal rose agar	5	A193SAC5
Bile esculine azide agar	5	A704SAC5
Bile esculin modified agar	5	A487SAC5
Blood agar base	5	A174SAC5
Blood agar base (acc. Columbia)	5	A912SAC5
Blood agar base no. 2	5	A797SAC5
Brain heart infusion (BHI)	5	B700SAC5
Brain heart infusion agar	5	A700SAC5
Brilliant green agar (BGA)	5	A491SAC5
Brilliant green modified agar	5	A190SAC5
Brilliant green 2% bile broth	5	B923SAC5
Buffered peptone water	5	B455SAC5
Buffered peptone water (Eur. Pharm.)	5	B202SAC5
C. perfringens agar Selec. (SPS)	5	A979SAC5
Casein Lecit. Polisorb. C. base	5	B710SAC5
Cetrimide agar (Eur. Pharm.)	5	A389SAC5
Chapman TTC agar (Tergitol 7)	5	A971SAC5
Christensen's citrate agar	5	A882SAC5
Chromogenic coliformes A. (CCA)	5	A807SAC5
Chromogenic colinstant agar	5	A836SAC5
CLED agar	5	A925SAC5
Cloranphenicol Glucose A. (CGA)	5	A188SAC5
CN agar base selective	5	A890SAC5
Columbia agar (Eur. Pharm.)	5	A869SAC5
Desoxicolate lactose agar	5	A975SAC5
DNAse agar	5	A128SAC5
DRBC agar	5	A875SAC5
E. coli broth	5	B989SAC5
EE broth (Eur. Pharm.)	5	B982SAC5
EMB agar	5	A986SAC5
Endo agar base	5	A760SAC5
Enrich. Listeria broth base (UVM)	5	B254SAC5
Enrich. Listeria C. base (Lovett)	5	B206SAC5
Eugon LT 100 broth	5	B872SAC5
Fenilalanine agar (PPA)	5	A961SAC5
Giolitti-Cantoni broth	5	B419SAC5
Glucose bromocresol purple agar	5	A794SAC5
Gram negative broth (GN broth)	5	B901SAC5
Hektoen enterich agar	5	A438SAC5
K agar	5	A852SAC5
King A agar (P agar)	5	A993SAC5
King B agar (F agar)	5	A940SAC5
Kligler hierro agar (KIA)	5	A391SAC5
Lactose broth	5	B397SAC5
LB agar (Miller)	5	A167SAC5

Description	Pk	Cat. No.
LB broth (Miller)	5	B167SAC5
Lethen broth	5	B418SAC5
Lethen modified agar	5	A415SAC5
Lethen modified broth	5	B415SAC5
Lisine iron agar (LIA)	5	A902SAC5
M-17 agar	5	A427SAC5
MacConkey broth	5	B336SAC5
MacConkey broth (Eur. Pharm.)	5	B833SAC5
MacConkey sorbitol agar (modified)	5	A540SAC5
MacConkey sorbitol agar (SMAC)	5	A723SAC5
Malt extract agar no. 1	5	A333SAC5
Malt extract agar no. 2	5	A751SAC5
Manitol Hipersaline A. (Chapman)	5	A338SAC5
Maximum recovery diluent (MRD)	5	B739SAC5
McConkey agar (Eur. Pharm.)	5	A336SAC5
m-CP agar base	5	A731SAC5
m-Green broth	5	B811SAC5
Mineral modified glutamate A. base	5	A870SAC5
Mineral modified glutamate C. base	5	B878SAC5
MRS agar	5	A317SAC5
MRS broth	5	B317SAC5
Mueller Hinton agar	5	A318SAC5
Mueller Hinton broth	5	B318SAC5
Muller-Kauffmann TT broth base	5	B117SAC5
Neutralising fluid	5	B734SAC5
Nickerson agar (BiGGY agar)	5	A315SAC5
Nutrient agar	5	A329SAC5
Nutrient agar (APHA)	5	A322SAC5
Nutrient agar (ISO)	5	A817SAC5
Nutrient broth (APHA)	5	B322SAC5
Oxford agar base	5	A253SAC5
Palcam agar base	5	A259SAC5
Plate count agar (PCA)	5	A383SAC5
Plate count agar milk	5	A234SAC5
Potato dextrose agar (PDA)	5	A261SAC5
Potato dextrose broth	5	B261SAC5
R2A agar	5	A729SAC5
Rappaport vassiliadis broth	5	B150SAC5
Saboraud cloramphenicol agar	5	A388SAC5
Saboraud broth	5	B387SAC5
Saboraud dextrose agar	5	A387SAC5
Saboraud oxitetraciline agar	5	A457SAC5
Salmonella shigella agar	5	A777SAC5
Selenite broth base	5	B706SAC5
Selenite cistine broth base	5	B894SAC5
Shigella broth	5	B884SAC5
Simmons citrate agar	5	A355SAC5
Slanetz Bartley agar base	5	A750SAC5
TBX agar	5	A830SAC5
TCBS agar	5	A785SAC5
Thioglicolate broth	5	B368SAC5
Triple sugar iron (TSI)	5	A304SAC5
Tryptic soy agar (TSA)	5	A499SAC5
Tryptic soy broth (TSB)	5	B499SAC5
Tryptone bile agar (TBA)	5	A748SAC5
Tryptone yeast extract agar	5	A709SAC5
Tryptose lauryl sulfate broth	5	B396SAC5
TSN agar	5	A307SAC5
Urea agar base	5	A483SAC5
Urea broth base	5	B494SAC5
Violet red bile agar (VRB agar)	5	A382SAC5
Violet red bile dextrose agar (VRBD A.)	5	A407SAC5
Vogel Johnson agar (VJ agar)	5	A498SAC5
Voges Proskauer red methile C.	5	B495SAC5
XLD agar (Eur. Pharm.)	5	A433SAC5
XLD modified agar	5	A774SAC5
Yeast starch glucose agar (YSG agar)	5	A851SAC5



Media supplements for VWR dehydrated culture media

CULTURE MEDIA, READY TO USE, IN BOTTLES

Ready to use culture media for microbiological test requirements in the food industry, water, environmental control and in the pharmaceutical industry. The range is manufactured from high quality raw materials. All the culture media are manufactured using selected dehydrated bases, and comply with various standards. All media are produced using the latest technology and are subject to strict quality controls carried out by qualified microbiologists.

- Storage at room temperature for selected media
- Supplied in glass bottles with different screw caps
- Certificate of Analysis guarantees product conformity

*Chromocult® is a registered trademark of Merck KGaA, Darmstadt, Germany. This ready to use medium is made using only Chromocult® dehydrated media produced by Merck KGaA and Agar.

Description	Filling	Standards	Size	Closure type	Pk	Cat. No.
Anaerobic TSB polysorbate lecithin	30 ml	FDA, ISO 9308, ISO 11133, ISO 22717, Harm Ph	50 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	331114RA
Antibiotic agar 10	200 ml	EP, USP	250 ml	Non injectable cap	10	454810ZA
Antibiotic agar 10	500 ml	EP, USP	750 ml	Without cap	10	564812ZA
Antibiotic agar 10	500 ml	EP, USP	750 ml	Non injectable cap	20	564812ZAMP
Antibiotic agar A	200 ml	EP, USP	250 ml	Non injectable cap	10	455462ZA
Antibiotic agar E	200 ml	EP	250 ml	Non injectable cap	10	455782ZA
Baird-Parker agar base	90 ml	FIL-IDF, ISO 5944, ISO 6888-2, ISO 22718, USP	125 ml	Cap, aluminium	10	312950ZA
Baird-Parker agar base	180 ml	FIL-IDF, ISO 5944, ISO 6888-2, ISO 22718, USP	250 ml	Cap, aluminium	10	430063ZA
Beerens dilution	90 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	312240ZT
Beerens dilution	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	302240ZA
Beerens dilution	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	302240ZAMP
Beerens dilution	90 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	312240ZTMP
BHI broth modified	100 ml	ISO 5944, FDA	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	303415ZA
BHI broth modified	100 ml	ISO 5944, FDA	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	303415ZAMP
Bioburden broth	100 ml	ISO 21149, EP, USP	125 ml	Non injectable cap	10	304750OA
Bolton broth (base)	200 ml	FDA, ISO 10272-1, ISO 10272-2	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	563390ZF
Bolton broth (base)	200 ml	-	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	30	563390ZFMP
BPW (EP)+0,1% histidin+0,3% lecithin+3% Tween®	900 ml	EP, ISO 11133, ISO 16212, ISO 21149, ISO 21150, ISO 22717, ISO 22718, USP	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	511312TA
Buffered peptone water	225 ml	ISO 6579, ISO 8523, ISO 6785, ISO 22964, ISO 21528, ISO 19250	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	400173ZA
Buffered peptone water	90 ml	ISO 6579, ISO 8523, ISO 6785	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	310173ZA
Buffered peptone water	225 ml	ISO 6579, ISO 8523, ISO 6785, ISO 22964, ISO 21528, ISO 19250	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	410173ZA

Description	Filling	Standards	Size	Closure type	Pk	Cat. No.
Buffered peptone water	200 ml	ISO 6579, ISO 8523, ISO 6785, ISO 22964, ISO 21528, ISO 19250	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	450173ZA
Buffered peptone water	100 ml	ISO 6579, ISO 8523, ISO 6785, ISO 22964, ISO 21528 and ISO 19250	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	300173ZA
Buffered peptone water	800 ml	ISO 22964, ISO 21528, ISO 19250, ISO 6579, ISO 8523, ISO 6785	1000 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	6	510173ZA
Buffered peptone water	500 ml	ISO 6579, ISO 8523 and ISO 6785	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	530172AF
Buffered peptone water, 0,1% + 5% Tween®		Eu Ph	125 ml		10	311310TA
Buffered peptone water +5% Tween®	90 ml	Harm Ph, ISO 21149:2017, ISO 18415	100 ml	Without cap	10	011312TA
Buffered peptone water 0,1%	90 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	311314ZA
Buffered peptone water 0,1%	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	301314ZA
Buffered peptone water 0,1%	300 ml	Harm Ph	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	531314ZA
Buffered peptone water 0,1%	200 ml	Harm Ph	250 ml	Without cap	8	881314TA
Buffered peptone water 0,1%	450 ml	Harm Ph	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	561314ZA
Buffered peptone water 0,1%	50 ml	Harm Ph, ISO 21149, ISO 18415	100 ml	Without cap	8	881314ZA
Buffered peptone water 0,1%	50 ml	Harm Ph, ISO 21149, ISO 18415	100 ml	Without cap	32	881314ZAMP
Buffered peptone water 0,1%	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	40	301314ZAMP
Buffered peptone water 0,1%				Without cap	6	511312ZA
Buffered peptone water 0,1%	90 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	311314TA
Buffered peptone water 0,1% (EP)	900 ml	EP, ISO 11133, ISO 16212, ISO 21149, ISO 21150, ISO 22717, ISO 22718, USP	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	511310ZA
Buffered peptone water 0,1% Tween®	900 ml	EP, ISO 11133, ISO 16212, ISO 21149, ISO 21150, ISO 22717, ISO 22718, USP	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	511314TA
Buffered peptone water 0,1% with lecithin	90 ml	Harm Ph	150 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	311312LA
Buffered peptone water 0,1% with lecithin	90 ml	Harm Ph	150 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	40	311312LAMP
Buffered peptone water 10% Tween®	100 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	303480TA
Buffered peptone water THLPH	250 ml	Harm Ph			10	471313TA
Butterfield buffer	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	303610ZA
Butterfield buffer	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	303610ZAMP
Cetrimide agar 100 ml (125 ml bottle)	100 ml	EP, FDA, ISO 11133, ISO 22717	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	300793ZA
China-blue lactose agar	200 ml	-	250 ml	Non injectable cap	10	405042ZA
Chromocult®* coliform agar	200 ml	ISO 7704	250 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	401274ZH
Chromocult®* coliform agar	100 ml	ISO 7704	125 ml	Non injectable cap	10	301274ZA
Chromocult®* coliform agar	100 ml	ISO 7704	125 ml	Non injectable cap	40	301274ZAMP
Czapek Dox metal agar	450 ml	APHA	500 ml	Without cap	10	530274XA
DEV lactose peptone broth	50 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	373564ZA
DEV lactose peptone broth	50 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	373564ZAMP
DEV nutrient agar	100 ml	Acc. to German Standard Methods	200 ml	Non injectable cap	10	300692ZA
DEV nutrient agar	200 ml	Acc. to German Standard Methods	250 ml	Non injectable cap	10	453554ZA
DEV nutrient agar	200 ml	Acc. to German Standard Methods	250 ml	Pouring ring	10	011642ZA
DEV nutrient agar	450 ml	Acc. to German Standard Methods	500 ml	Cap, metal, without septum	10	531642ZA
DEV nutrient agar	100 ml	Acc. to German Standard Methods	200 ml	Non injectable cap	40	300692ZAMP
Dextrose tryptone agar (DTA)	100 ml	-	125 ml	Non injectable cap	10	303525ZA
Diluent pH 7	1000 ml	-	1500 ml	Without cap	6	881312ZA
Diluent Pharmacopoea	90 ml	-	125 ml	Without cap	10	401312ZA
Diluent Pharmacopoea + 5% Tween®	900 ml	-	1000 ml	Without cap	4	031312TA
EE broth acc. Mossel	100 ml	EP	150 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	300304ZA

Description	Filling	Standards	Size	Closure type	Pk	Cat. No.
EE broth acc. Mossel	90 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	310304ZA
EE broth acc. Mossel	90 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	310304ZAMP
EE broth acc. Mossel	100 ml	EP	150 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	40	300304ZAMP
Egg yolk enrichment 50%	100 ml	—	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	100 ml	351435ZF
Eugon IT sup. 90 ml bottle	90 ml	ISO 16212, ISO 18416, ISO 21149, ISO 21150, ISO 22717, ISO 22718	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10 Bottle	316350SA
Eugon It modified medium bottle	200 ml	ISO 16212, ISO 18415, ISO 18416, ISO 21149, ISO 21150, ISO 22717, ISO 22718	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10 Bottle	456350SA
Fluid A	850 ml	Harm Ph	1000 ml	Without cap	6	513560ZA
Fluid A	300 ml	Harm Ph	450 ml	Without cap	10	553560ZA
Fluid A bottles	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	303560ZA
Fluid D	400 ml	Harm Ph	500 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	563200OA
Fluid D	400 ml	Harm Ph	500 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	20	563200OAMP
Fluid D	850 ml	Harm Ph	1000 ml	Without cap	6	513200OA
Fluid D bottles	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	303200OA
Fluid K	300 ml	Harm Ph	450 ml	Without cap	10	555010TA
Fluid K bottles	600 ml	EP, USP, Harm Ph	—	Inner screw cap, plastic + elastomer septum + protective outer cap	6	575010TA
Fluid A	600 ml	EP, USP, Harm Ph	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	573560ZA
Fluid thioglycollate medium (FTM)	750 ml				6	511052ZA
Fraser broth	200 ml	ISO 11290-1	200 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	400343ZF
Fraser broth	200 ml	ISO 11290-1	200 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	30	400343ZFMP
FTM + resazurine	100 ml	USP	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	40	301051ZAMP
FTM + resazurine (acc USP)	100 ml	USP	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	301051ZA
Haemophilus test medium (HTM) broth	100 ml	-	150 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	300382ZF
Half Fraser broth	225 ml	-	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	400343VF
Half Fraser broth	225 ml	-	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	20	400343VFMP
Henkel standard	90 ml	USP, EP	250 ml	Non injectable cap	10	313040TH
Kanamycin aesculin azide agar acc. to Mossel	200 ml	-	250 ml	Non injectable cap	10	451830ZA
Lactose broth	100 ml	EP, USP, EPA	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	300440ZA
Lactose broth	90 ml	EP, USP, EPA	150 ml	Outer screw cap, aluminium + elastomer inner septum	10	310440ZA
Lactose broth	90 ml	-	125 ml	Without cap	10	400442ZA
LB broth acc. to Miller	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	302510ZA
LB broth acc. to Miller	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	302510ZAMP
LB broth acc. to Miller	500 ml	EP, USP, ISO 9308-1	1000 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	6	VWRC572512ZA
Legionella acid buffer solution pH 2,2	450 ml	ISO 11731; ISO 11133; APHA-AWWA-WEF	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	556510YA
Letheen agar	200 ml	FDA	250 ml	Non injectable cap	10	401570ZA
Letheen broth	100 ml	FDA	125 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	301580ZA
Letheen broth	450 ml	ISO 11133	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10 Bottle	561580ZA
Letheen broth, modified	90 ml	FDA	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	312760ZA
Letheen broth, modified	90 ml	FDA	125 ml	Non injectable cap	10	302754OA
Letheen broth, modified	90 ml	FDA	125 ml	Non injectable cap	40	302754OAMP
Letheen broth, modified	90 ml	FDA	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	312760ZAMP
Liquid A 0,1%	100 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	301314XA
Liquid A 0,1%	450 ml	Harm Ph	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	561314XA
Liquid A 0,1%	300 ml	Harm Ph	450 ml	Without cap	10	551314XA
Listeria enrichment broth (LEB)	225 ml	-	250 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	400472XA
Listeria enrichment broth (LEB)	450 ml	-	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	560472ZA
Lysine medium	100 ml	—	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	300521ZA
M17 agar	100 ml	ISO 7889, ISO 9232	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	303532ZA
M17 agar	100 ml	ISO 7889, ISO 9232	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	303532ZAMP

Description	Filling	Standards	Size	Closure type	Pk	Cat. No.
MacConkey agar	100 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	300641ZA
MacConkey broth	100 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	300674ZA
Malt extract agar	200 ml	ISO 16000, FDA	250 ml	Non injectable cap	10	450544ZA
Malt extract agar	200 ml	ISO 16000, FDA	250 ml	Non injectable cap	20	450544ZAMP
Maximum Recovery Diluent MRD	100 ml	ISO 6887-1	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	313120ZA
Maximum Recovery Diluent MRD	225 ml		250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	413120ZA
Milk plate count agar	200 ml	ISO 17410, ISO 8552, ISO 4883	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	400774XA
Milk plate count agar	450 ml	ISO 17410, ISO 8552, ISO 4883	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	530774XA
Milk plate count agar	450 ml	ISO 17410, ISO 8552, ISO 4883	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	20	530774XAMP
Mossel broth	90 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	400304ZA
MRS agar	200 ml	DIN 13721, ISO 10109	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	400582ZA
MSRV semi-solid medium (base)	500 ml	-	1000 ml	Screw cap, metal	10	560830ZA
MYP agar base	90 ml	ISO 7932	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	310053ZA
MYP agar base	90 ml	ISO 7932	250 ml	Outer screw cap, aluminium + elastomer inner septum	40	310053ZAMP
NaCl peptone broth	90 ml	ISO 6887-1	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	313155ZA
NaCl peptone broth	90 ml	ISO 6887-1	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	40	313155ZAMP
NaCl peptone broth +1% Tween®	100 ml	ISO 6887-1	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	303151OA
NaCl peptone broth +1% Tween®	100 ml	ISO 6887-1	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	40	303151OAMP
OGYE agar	200 ml	ISO 13681	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	400720ZA
Orange serum agar	100 ml	ISO 8914-1	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	300733IA
Orange serum agar	200 ml	ISO 8914-1	250 ml	Non injectable cap	10	450731ZA
Orange serum agar	50 ml	ISO 8914-1	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	370731ZA
Orange serum agar	50 ml	ISO 8914-1	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	370731ZAMP
PBPS 4% Tween® 0,5% lecithin	90 ml	Harm Ph	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	471314TH
PBPS 4% Tween® 0,5% lecithin	90 ml	Harm Ph	250 ml	Outer screw cap, aluminium + elastomer inner septum	30	471314THMP
PBTL 3% Tween® 0,3% lecithin	90 ml	Harm Ph	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	471314TA
PBTL 3% Tween® 0,3% lecithin	90 ml	Harm Ph	250 ml	Outer screw cap, aluminium + elastomer inner septum	20	471314TAMP
PCA plate count agar	200 ml	ISO 4833	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	450774ZA
PCA plate count agar	100 ml	ISO 4833	125 ml	Non injectable cap	10	300774ZA
PCA plate count agar	450 ml	ISO 4833	500 ml	Non injectable cap	10	530774ZA
PCA plate count agar	450 ml	ISO 4833	500 ml	Non injectable cap	20	530774ZAMP
Peptone water 0,1%	100 ml	-	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	302252ZA
Peptone water 0,1% with Tween®	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	301314TA
Peptone water 0,1% with Tween®	300 ml	Harm Ph	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	532252OA
Polyvalent univ. neutraliser	45 ml	-	100 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	332760TA
Potassium tellurite solution 3,5% bottle	—	Harm Ph, FIL-IDF, ISO 5944, ISO 6888, ISO 22718	—	Inner screw cap, plastic + elastomer septum + protective outer cap	1	900011ZK
Potato dextrose agar	200 ml	Harm Ph	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	400782ZA
Potato glucose chloramphenicol broth	19 ml	-	-	Cap, aluminium	50	AX011201
Preston broth w/o blood	225 ml	-	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	401640ZA
R2A agar	100 ml	EP, EPA	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	300802ZA
Raka-Ray agar	125 ml	-	200 ml	Without cap	10	305592ZA
Rappaport Vassiliadis broth	90 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	313552ZA
Rappaport Vassiliadis broth	90 ml	Harm Ph	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	313552ZAMP
Rappaport Vassiliadis broth	100 ml	FDA, FIL-IDF, ISO 6579, ISO 6785, ISO 11133 Pathol. 9:261-266	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	300834ZA
Reinforced clostridium medium	100 ml	-	125 ml	Non injectable cap	10	300842ZA
Rose Bengal chloramphenicol agar	100 ml	ISO	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	300070ZA
Rose Bengal chloramphenicol agar	200 ml	ISO	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	400072ZA
Sabouraud 4% dextrose agar	400 ml	EP, USP	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	550884ZA
Sabouraud 4% dextrose agar	200 ml	EU, USP	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	400884ZA
Sabouraud 4% dextrose agar	475 ml	-	500 ml	Non injectable cap	10	560885ZH
Sabouraud 4% dextrose chloramphenicol agar	200 ml	Harm Ph	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	400884CA
Sabouraud chloramphenicol agar	400 ml	Harm Ph, ISO 13681	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	550884CA

Description	Filling	Standards	Size	Closure type	Pk	Cat. No.
Sabouraud chloramphenicol agar	100 ml	Harm Ph, ISO 13681	125 ml	Non injectable cap	10	300884CA
Sabouraud chloramphenicol agar	100 ml	Harm Ph, ISO 13681	125 ml	Non injectable cap	40	300884CAMP
Sabouraud dextrose agar	100 ml	Harm Ph	125 ml	Cap, aluminium	10	300884ZA
Sabouraud dextrose agar	800 ml	USP, ISO	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	520882ZA
Sabouraud dextrose broth	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	300894ZA
Sabouraud polysorbate lecithin broth	30 ml	ISO 1113314, Harm Ph	50 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	330884SA
Selenite cystine broth	100 ml	ISO 6579, USP	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	300954ZA
SPS agar	200 ml	-	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	401320ZA
Staphylococcus 110 agar chapman	200 ml	FDA, AOAC, ISO 11133	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	406110ZA
TAT (tryptone - azolectin- Tween®)	100 ml	ISO 16212, ISO 18416, ISO 21149, ISO 21150, ISO 22717, ISO 22718	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	314990TA
TAT broth base without Tween®	90 ml	-	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	311114YZ
TBX agar	100 ml	ISO 16649-1	150 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	301004ZA
TBX agar	450 ml	ISO 16649-1	500 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	561004ZA
TBX agar	200 ml	ISO 16649, ISO 11133	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	451004ZA
Tetrathionate broth acc. Müller Kaufmann with Novobiocin (MKTn)	100 ml	ISO 6579	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	301030ZA
Thioglycollate broth	450 ml	EP, USP	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	561051ZA
Thioglycollate broth	100 ml	EP, USP	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	301041ZA
Thioglycollate broth with Tween®	450 ml	EP, USP	500 ml	Cap, aluminium	10	561042TA
Thioglycollate esteripapel broth	125 ml	—	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	6	301050ZK
Thioglycollate penase broth	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	301051PF
Thioglycollate penase broth	100 ml	Harm Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	40	301051PFMP
TOS agar	450 ml	-	500 ml	Non injectable cap	10	534744ZF
Tributylin agar	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	10	301353ZA
Tributylin agar	100 ml	-	125 ml	Outer screw cap, aluminium + elastomer inner septum	40	301353ZAMP
Tryptic soy broth (TSB)	100 ml	Harm Ph, ISO 9308-1	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	301121ZA
Tryptic soy broth (TSB)	200 ml	EP, ISO 9301-1, FDA, USP	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	451121ZA
Tryptic soy broth (TSB)	90 ml	EP, ISO 9301-1, FDA, USP	150 ml	Outer screw cap, aluminium + elastomer inner septum	10	311121ZA
Tryptic soy broth (TSB)	55 ml	EP, ISO 9301-1, FDA, USP	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	371121ZA
Tryptic soy broth (TSB)	450 ml	EP, ISO 9301-1, FDA, USP	500 ml	Non injectable cap	10	561121ZA
Tryptic soy broth (TSB)	90 ml	-	125 ml	Screw cap, metal	10	401122ZA
Tryptic soy broth (TSB)	990 ml	EP, ISO 9301-1, FDA, USP	1000 ml	Screw cap, metal	6	881122ZA
Tryptic soy broth (TSB)	450 ml	EP, ISO 9301-1, FDA, USP	500 ml	Non injectable cap	20	561121ZAMP
Tryptic soy broth (TSB)	750 ml			Screw cap, metal	6	511122ZA
Tryptone soya agar TSA EP	800 ml	EP, FDA, ISO 9308, ISO 11731, ISO 11133, 18415, 21149, 21150, 22717, 22718, 22964, USP	1 L	Cap, PP	6	521112ZA
Tryptone soya broth Ph, eur,	300 ml	EP, FDA, ISO 11133, ISO 9308, USP 33	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	531122ZA
Tryptone soya broth TSB	800 ml	FDA, ISO 11133, ISO 9308, Harm Ph	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	511121ZA
Tryptone soya broth TSB	900 ml	FDA, ISO 11133, ISO 9308, Harm Ph	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	511120ZA
Tryptone yeast extract agar	100 ml	ISO 6222	125 ml	Non injectable cap	10	301250ZA
Tryptone yeast extract agar	250 ml	ISO 6222	500 ml	Non injectable cap	10	561252ZA
Tryptone yeast extract agar	450 ml	-	500 ml	Non injectable cap	10	561251ZA
Tryptose sulfite cycloserine (TSC)	450 ml	DIN, FDA, ISO 7937, ISO 6461, ISO 11133, ISO 14189, APHA	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	561141ZA
TSA tryptic soy agar	200 ml	Harm Ph	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	401114ZA
TSA tryptic soy agar	450 ml	Harm Ph, ISO 9308-1	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	531114ZH

Description	Filling	Standards	Size	Closure type	Pk	Cat. No.
TSA tryptic soy agar	400 ml	Harm Ph, ISO 9308-1	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	551114ZA
TSA tryptic soy agar	450 ml	-	500 ml	Outer screw cap, aluminium + elastomer inner septum	10	561114ZA
TSA tryptic soy agar	100 ml	EP, USP, ISO 9308-1	125 ml	Non injectable cap	10	301114ZA
TSA tryptic soy agar LTHTh	100 ml	-	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	301121TA
TSA Tryptic soy agar LTHTh	100 ml	ISO 6579, USP	125 ml	Non injectable cap	10	301112TA
TSB 4% Tween® 20, 0,5% lecithine	900 ml	FDA, ISO 11133, ISO 9308, Harm Ph	1 L	Inner screw cap, plastic + elastomer septum + protective outer cap	6	511122TA
TSB polysorbate lecithin bottle	30 ml	FDA, ISO 9308, ISO 11133, ISO 22717, Harm Ph	50 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	331114SA
TSB tryptic soy broth esteripapel	125 ml	—	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	6	301120ZK
TSB tryptic soy broth penase	100 ml	USP, FDA and Eu Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	301121PF
TSB tryptic soy broth penase	100 ml	USP, FDA and Eu Ph	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	40	301121PFMP
TSB tryptic soy broth with 0,07% lecithin and 0,5% Tween®	100 ml	-	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	301122SA
TSB with 0,07% lecithin and 0,5% Tween®	450 ml	-	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	561122SA
TSB with 0,1% Tween®	90 ml	-	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	311122OA
TSB with 4% Tween® 20 and 0,5% lecithin	990 ml	-	1000 ml	Screw cap, metal	6	881122TA
TSB with 4% Tween® 20 and 0,5% lecithin	990 ml	-	1000 ml	Screw cap, metal	6	881120TA
TSB with 4% Tween® 20 and 0,5 % lecithin	90 ml	-	125 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	471120TA
TSB with neutraliser	800 ml	USP, EP	1000 ml	Screw cap, metal	9	511120TA
TSC agar base	100 ml	UNE 13401 and UNE EN 26461-2	125 ml	Outer screw cap, aluminium + elastomer inner septum + shrink wrapped plastic sleeve	10	301141ZA
TSC agar base	200 ml	DIN 10165, FDA, ISO 7937, ISO 6461, ISO 11133, ISO 14189, APHA, ISO 11133	250 ml	Inner screw cap, plastic + elastomer septum + protective outer cap	10	451142ZA
VRB agar	200 ml	Harm Ph ISO 5552	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	401183ZA
VRB agar	450 ml	-	500 ml	Screw cap, metal	10	531183ZA
VRBD agar	450 ml	Harm Ph ISO 5552	500 ml	Cap, metal, without septum	10	531203ZA
VRBD agar	450 ml	Harm Ph ISO 5552	500 ml	Cap, metal, without septum	20	531203ZAMP
VRBG agar	200 ml	Harm Ph ISO 5552	250 ml	Outer screw cap, aluminium + elastomer inner septum	10	401203ZA
VRBG agar	100 ml	EP, USP	125 ml	Non injectable cap	10	301203ZA
WL nutrient agar, modified	125 ml	-	200 ml	Without cap	10	301212AA
Wort agar	125 ml	-	200 ml	Without cap	10	302322ZA
Yeast extract agar	200 ml	-	250 ml	Non injectable cap	10	451251ZA
YGC agar	450 ml	ISO 7954	500 ml	Inner screw cap, plastic + elastomer septum + protective outer cap + shrink-wrapped plastic sleeve	10	532230CA
YGC agar	200 ml	-	250 ml	Non injectable cap	10	402232ZA



MEDIA FOR USE IN MEDIA FILL TEST

Validation of aseptic processing should include a simulation test using a nutrient medium, known as the media fill or media simulation test. The selection of the nutrient medium should be made based on the quantity of the product produced, and the selectivity, clarity, concentration and suitability for sterilisation. The process simulation test should imitate, as closely as possible, the routine aseptic manufacturing process, and include all the critical subsequent manufacturing steps. Normally process simulation tests should be repeated twice a year per shift and process. The number of containers used for media fills should be sufficient to enable a valid evaluation. For small batches, the number of containers for media fills should at least equal the size of the product batch.

- Ready to use media saves time and decreases the risks associated with media preparation
- Sterility and fertility according to international requirements and guidelines for media fill validation

In compliance with BSE/TSE requirements.

Description	Filling	Standards	Size	Closure type	Pk	Cat. No.
TSB, bottle						
TSB tryptic soy broth	400 ml	Harm Ph, ISO 9308-1	700 ml	Non injectable cap	6	881124ZA
TSB non animal origin, bottles and bags						
Media for media fill test, bottle	500 ml				500 ml	AX021416
Media for media fill test, bottle	1000 ml				1 L	AX0110086
Media for media fill test, bag with connectors	10000 ml				10 L	AX0110087
Media for media fill test, bag with connectors	20000 ml				20 L	AX0110088

Description	Filling	Standards	Size	Volume (ml)	Pk	Cat. No.
Culture media, ready to use, in bags						
Tryptone soy broth (TSB)		Harm Ph, ISO 9308-1		3000	1 Pack	801121ZB
Tryptone soy broth (TSB)		Harm Ph, ISO 9308-1		3000	1 Pack	801121ZB
Tryptone soy broth (TSB)		Harm Ph, ISO 9308-1		5000	2	851121ZB
Tryptone soy broth (TSB)		Harm Ph, ISO 9308-1		5000	2	851121ZB
Culture Media, Ready to Use, in Bottles						
Tryptic soy broth (TSB)	100 ml	Harm Ph, ISO 9308-1	125 ml		10	301121ZA
Tryptic soy broth (TSB)	100 ml	Harm Ph, ISO 9308-1	125 ml		10	301121ZA
Tryptic soy broth (TSB)	200 ml	EP, ISO 9301-1, FDA, USP	250 ml		10	451121ZA
Tryptic soy broth (TSB)	200 ml	EP, ISO 9301-1, FDA, USP	250 ml		10	451121ZA
Tryptic soy broth (TSB)	450 ml	EP, ISO 9301-1, FDA, USP	500 ml		10	561121ZA
Tryptic soy broth (TSB)	450 ml	EP, ISO 9301-1, FDA, USP	500 ml		10	561121ZA
Tryptic soy broth (TSB)	450 ml	EP, ISO 9301-1, FDA, USP	500 ml		20	561121ZAMP
Tryptic soy broth (TSB)	450 ml	EP, ISO 9301-1, FDA, USP	500 ml		20	561121ZAMP



MEDIA FOR USE IN MEDIA FILL TEST

Sterile liquid paraffin is mostly used in microbiology as a vehicle to improve the anaerobic culture media as: O / F, decarboxylase medium, MIO, etc. Typically the product (approx 2 ml) is aseptically dispensed on the surface of the sterile culture medium in a culture tube.

- Supplied in a tightly closed container with good seal, protected from light
- Colourless

Raw material complies with DAB10, USP XXI Eur. Pharm and B.P.

Description	Pk	Cat. No.
Paraffin, liquid, sterile	100 mL	301440ZK



CULTURE MEDIA, READY TO USE, IN PLATES

For various microbiological applications.

- Packed under cleanroom conditions to avoid contamination
- Manufactured with formulations that follow specifications of the various Pharmacopoeias and ISO regulations
- Special packaging for 55 mm plates

The 55 mm plate's special packaging has several advantages: Good plate protection during transport and storage, can be reused to transport the plates after use, and is recyclable (PET). The plates can be stored from 2 to 14 °C.

*Chromocult® is a registered trademark of Merck KGaA, Darmstadt, Germany. This ready to use medium is made using only Chromocult® dehydrated media produced by Merck KGaA and Agar.

Cellophane bag packaging containing 3×10 or 3×3×10 (55 mm plates) or 4×5 or 6×4×5 (90 mm plates).

Description	Filling	Standards	Pk	Cat. No.
Plates 140 mm				
Tryptone soy agar TSA eur Ph 140 mm Tripl	—	EP, FDA, ISO 9308, ISO 11731, ISO 18415, ISO 21149, ISO 21150, ISO 22717, ISO 22718, ISO 22964	5	191114ZT
Plates 55 mm				
Bile aesculin azide agar	12 ml	ISO 7899-2 and clinical samples	30	170082UA
Chromocult® coliform agar	12 ml	ISO 7704	90	171274ZAMP
Chromocult® coliform agar with cefsulodin and vancomycin	12 ml	ISO 7704	30	171274ZA
Chromocult® Enterococci	12 ml	-	30	175584ZA
Chromogenic selective agar <i>E. coli</i> with cefsulodin and vancomycin	12 ml	ISO 7704	30	173580ZA
Chromogenic selective agar <i>E. coli</i> with cefsulodin and vancomycin	12 ml	ISO 7704	90	173580ZAMP
Coliform chromogen agar (CCA)	12 ml	ISO 9308-1, ISO 7704	30	175452ZA
DEV agar	12 ml	Acc. to German Standard Methods	30	173554ZA
DEV agar	12 ml	Acc. to German Standard Methods	90	173554ZAMP
Endo-LES agar	12 ml	APHA	30	173241ZA
Legionella Bcye × plates 55 mm	12 ml	ISO 11731, ISO 11133	30	170460ZF
Legionella Selective (GVPC)	12 ml	—	30	170460GF
MacConkey agar	12 ml	ISO 21150	30	170641ZA
Malt extract agar, acidified	12 ml	ISO 16000-17	30	170542YA
Mannitol agar	12 ml	Harm Ph, ISO 22718	30	170560ZA
Mannitol agar	12 ml	Harm Ph, ISO 22718	90	170560ZAMP
M-CP agar	12 ml	European Directive 12767/97	30	171400ZA
M-CP agar	12 ml	European Directive 12767/97	90	171400ZAMP
M-FC agar	12 ml	APHA-AWWA-WEF	30	171380ZA
M-Green agar	12 ml	ISO 10718	30	171300ZA
M-Green agar	12 ml	ISO 10718	90	171300ZAMP
Nutrient agar	12 ml	ISO 8914-1, ISO 8914-1	90	170692ZAMP
Nutrient agar	12 ml	ISO 8914-1	30	170692ZA
Orange serum agar	12 ml	IFU Methods	30	170731ZA
PCA plate count agar	10 ml	ISO 4833, ISO 8552, ISO 17410 s and IFU No. 6	30	170774ZA
Pseudomonas agar (cetrimide)	12 ml	ISO 16266	30	170793NA
Pseudomonas agar (cetrimide)	12 ml	EP, USP, ISO 22717	30	170793ZA
Pseudomonas agar (cetrimide)	12 ml	EP, USP	90	170793ZAMP
R2A agar	10 ml	EP	30	170802ZI
Sabouraud 4% chloramphenicol agar	10 ml	Harm Ph	30	170884CF
Sabouraud 4% dextrose agar	12 ml	Harm Ph	30	170884ZA
Slanetz and Bartley agar	10 ml	ISO 7899-2	30	170980ZA
Slanetz and Bartley agar w/o TTC	12 ml	ISO 7899-2	90	175160ZAMP
Slanetz and Bartley agar w/o TTC	12 ml	ISO 7899-2	30	175160ZA
SPS agar	12 ml	FDA	90	171320ZAMP
SPS agar	12 ml	FDA	30	171320ZA
Tergitol-7 agar	12 ml	ISO 9308-1	30	171023ZA
TGE agar	12 ml	ISO 5667-2, ISO 5667-3, ISO 6887	30	175350ZA
Tryptone yeast agar	12 ml	ISO 6222:1999.	30	171250ZA
TSA tryptic soy agar	12 ml	Harm Ph, ISO 9308	30	171114ZA
TSC + Mup agar 3×10 Petri (Ø 55 mm)	12 ml	ISO 7937, ISO 6461, ISO 11133, ISO 14189, ISO 15213	30	171142AF
TSC agar	12 ml	ISO 5667-2, ISO 5667-3, ISO 6887	30	171141AA
Wort agar	12 ml	-	30	172321ZA
Wort agar pH 4,3, 55 mm plates	12 ml	ISO 11133	30	172324ZA
Plates 90 mm				
Bacillus cereus mossel agar 90 mm	20 ml	FIL-IDF 181, ISO 7932, ISO 21871,	120	120053UA
Baird Parker agar	20 ml	ISO 668-1, ISO 5944, ISO 22718, USP	120	120063UA
Baird-Parker agar	20 ml	ISO 6888-1, ISO 5944, ISO 22718, USP	20	100063UA

Description	Filling	Standards	Pk	Cat. No.
Plates 140 mm				
Baird-Parker agar	20 ml	ISO 6888-1, ISO 5944, ISO 22718, USP	120	100063UAMP
Baird-Parker RPF agar	20 ml	ISO 6888-2, ISO 5944, ISO 22718, USP	20	102950IM
Baird-Parker RPF agar	20 ml	ISO 6888-2, ISO 5944, ISO 22718, USP	120	102950IMMP
Bile aesculin azide agar	20 ml	ISO 7899-2	20	100082XA
Bile aesculin azide agar	20 ml	ISO 7899-2	120	100082XAMP
BPLS agar acc. to Kristensen (brilliant green, phenol red, lactose, sucrose)	20 ml	EP, FDA, Acc. potable water, Spanish legislation	20	100121ZA
BPLS agar acc. to Kristensen (brilliant green, phenol red, lactose, sucrose)	20 ml	EP, FDA, Acc. potable water, Spanish legislation	120	100121ZAMP
Brain heart infusion	20 ml	FDA	20	100101ZA
Brucella agar with hemine and vitamin K	20 ml	-	20	100158JF
Campylobacter blood-free CCDA agar	20 ml	ISO 10272	20	100191ZF
Campylobacter blood-free CCDA agar	20 ml	ISO 10272	120	100191ZFMF
Cetrimide agar, 90 mm	20 ml	ISO	20	100793NA
Chocolate agar with supplement (VITOX)	20 ml	-	20	101591ZF
Chocolate agar with supplement (VITOX)	20 ml	-	120	101591ZFMF
CHROMagar Bacillus cereus	20 ml	-	20	105526ZF
CHROMagar ESB	—	—	20	103580ZF
Chromocult® coliform agar	20 ml	ISO 7704, ISO 9308-1	20	101274ZA
Chromocult® coliform agar	20 ml	ISO 7704, ISO 9308-1	120	101274ZAMP
Chromogenic coliform agar (CCA)	20 ml	ISO 9308-1	20	105452ZA
Chromogenic Cronobacter isolation (CCI) agar	—	-	20	106060ZA
CLED agar	20 ml	-	20	100222ZA
CLED agar	20 ml	-	120	100222ZAMP
Colorex Clostridium difficile	20 ml	-	20	105406ZF
Colorex Salmonella plus, chromogenic media	20 ml	ISO 6579	20	102918ZA
Colorex Salmonella plus, chromogenic media	20 ml	ISO 6579	120	102918ZAMP
Columbia sheep blood + ANC	20 ml	Harm Ph	20	100253NF
Columbia sheep blood + ANC	20 ml	Harm Ph	120	100253NFMF
Columbia sheep blood agar	20 ml	Harm Ph	20	100253ZF
Columbia sheep blood agar	20 ml	Harm Ph	120	100253ZFMF
Dermatophytes agar	20 ml	-	20	101345ZA
Dermatophytes agar	20 ml	-	120	101345ZAMP
DEV nutrient agar	20 ml	German Drinking Water Methods	20	103554ZA
DEV nutrient agar	20 ml	German Drinking Water Methods	120	103554ZAMP
DG 18 metal agar	20 ml	-	20	102310XF
DG 18 metal agar	20 ml	-	120	102310XFMF
DG 18 metal agar	20 ml	—	120	122310XF
Dichlor. Rose Bengal chloramphenicol agar	20 ml	-	20	103660XF
Dichlor. Rose Bengal chloramphenicol agar	20 ml	-	120	103660XFMF
DNase agar methyl green	20 ml	-	20	105025ZA
DNase test agar W. methyl green plate 90 mm	20 ml	—	20	295025ZA
EMB agar	20 ml	ISO 21150, USP	20	100331ZA
EMB agar	20 ml	ISO 21150, USP	120	100331ZAMP
Esculine blood agar, modified	20 ml	-	20	105690XF
Eugon Lt modified agar plates, 90 mm	12 ml	ISO	20	106370ZF
Fraser enrichment broth w/o iron	10 ml	-	20	600343GF
Gauze agar	20 ml	-	20	104852AF
Gauze agar	20 ml	-	120	104852AFMF
GBS agar (Granada)	20 ml	-	20	102470ZF
GBS agar (Granada)	20 ml	-	120	102470ZFMF
GMB agar (glucose Mueller blue)	20 ml	-	20	100613DA
Hektoen enteric agar	20 ml	ISO 21567	20	100371ZA
Hektoen enteric agar	20 ml	ISO 21567	120	100371ZAMP
King B agar, 2x10 plates, 90 mm	20 ml	DIN, ISO, USP	20	106170ZA
Lactose TTC agar Tergitol-7	20 ml	ISO 9308-1	20	101023ZA
Lactose TTC agar Tergitol-7	20 ml	ISO 9308-1	120	101023ZAMP
LB agar (Miller)	20 ml	-	20	102502ZA
Lecithin polysorbate Triton™ X agar	20 ml	-	20	101114SA
Leeds acinetobacter selective agar, 90 mm	20 ml	—	20	106140AA
Legionella BCYE	20 ml	ISO 11731	20	100460ZF
Legionella BCYE without cysteine	20 ml	ISO 11731	20	100460XF
Legionella GVPC	20 ml	ISO 11731	20	100460GF
Legionella GVPC agar	20 ml	ISO 11731	120	120460GF
Legionella selective BCYE+AB agar (ISO)	21 ml ±2 ml	ISO Standards 11731	20	100462AF
Legionella selective BCYE+AB agar (ISO)	21 ml ±2 ml	ISO Standards 11731	120	120462AF
Legionella without cysteine	20 ml	ISO 11731	120	100460XFMF
Listeria selective agar acc. Ottaviani and Agosti	20 ml	ISO 11290-1, ISO 11290-2	20	102898KA
Listeria selective agar ALOA	20 ml	ISO 11290-1, ISO 11290-2	120	102898KAMP
Listeria selective agar Petri, 90 mm	20 ml	ISO 11133, ISO 11290, ISO 11290	120	122898KA
Lysine medium, 90 mm Petri plate	12 ml	—	20	100521ZA
MacConkey agar	20 ml	Harm Ph	20	100641ZA
MacConkey agar	20 ml	Harm Ph	120	100641ZAMP

Description	Filling	Standards	Pk	Cat. No.
Plates 140 mm				
Malt extract + chloramphenicol agar	20 ml	ISO 16000-17, FDA	20	100542CA
Malt extract agar	20 ml	ISO 16000-17	20	100544ZA
Malt extract agar	20 ml	ISO 16000-17	120	100544ZAMP
Malt extract agar acidified	20 ml	FDA, ISO	20	100542YA
Malt extract metal agar	20 ml	ISO 16000-17	20	100544XA
Malt extract metal agar	20 ml	ISO 16000-17	120	100544XAMP
Mannitol salt agar	20 ml	Harm Ph	20	100560ZA
Mannitol salt agar	20 ml	Harm Ph	120	100560ZAMP
MRS + sorbic acid agar	20 ml	ISO 15214, FIL/IDF, IFU Methods	20	100582XA
MRS + sorbic acid agar	20 ml	ISO 15214, FIL/IDF, IFU Methods	120	100582XAMP
MRS agar	20 ml	ISO 9332, ISO 15214, IFU Methods 5, 7 and 9	20	100582ZA
MRS agar	20 ml	ISO 9332 and 15214 and IFU Methods 5, 7 and 9	120	100582ZAMP
MRS agar+ calcium carbonate, 90 mm plate	20 ml	FIL-IDF	20	100580ZA
MRS agar 120 plates, 90 mm	20 ml	ISO 11133	120	120582ZA
MRS cycloheximide agar, 90 mm	12 ml	—	20	100581AA
MRS cysteine agar	20 ml	ISO 9232, ISO 15214, FIL/IDF, IFU Methods	20	100582JA
MRS cysteine agar	20 ml	ISO 9232, ISO 15214, FIL/IDF, IFU Methods	120	100582JAMP
MRS cysteine agar 2	20 ml	ISO 9232, ISO 15214, FIL/IDF, IFU Methods	20	100581JA
MRS cysteine agar 2	20 ml	ISO 9232, ISO 15214, FIL/IDF, IFU Methods	120	100581JAMP
Mueller Hinton, mod.	20 ml	-	120	100613DAMP
Mueller-Hinton agar	20 ml	-	20	100611ZA
Mueller-Hinton agar	20 ml	-	120	100611ZAMP
Mueller Hinton blood agar	20 ml	-	20	100613IF
Mueller Hinton blood agar	20 ml	-	120	100613IFMP
MWLN agar plates, 90 mm	12 ml	—	20	106181ZA
MYP agar with polymyxin B, egg yolk	20 ml	ISO 7932, ISO 21871, FIL/IDF	20	100053UA
MYP agar with polymyxin B, egg yolk	20 ml	ISO 7932, ISO 21871, FIL/IDF	120	100053UAMP
Nickerson Biggy agar	22 ml	-	20	102770ZA
Nickerson Biggy agar	22 ml	-	120	102770ZAMP
Nutrient agar with bromthymol blue and TTC	20 ml	APHA	20	100692PA
Nutrient agar with bromthymol blue and TTC	20 ml	APHA	120	100692PAMP
OGYE agar	20 ml	ISO 13681	20	100720ZA
OGYE agar	20 ml	ISO 13681	120	100720ZAMP
Orange serum agar	20 ml	ISO 8914-1, ISO 8914-1	20	100731ZA
Orange serum agar	20 ml	ISO 8914-1, ISO 8914-1	120	100731ZAMP
Palcam agar	20 ml	EN ISO 11290-1, 11290-2	20	100742ZA
Palcam agar	20 ml	EN ISO 11290-1, 11290-3	120	100742ZAMP
PCA plate count agar	20 ml	ISO 4833, 8552 and 17410, IFU No. 6	20	100774ZA
PCA plate count agar	30 ml	ISO 4833, 8552 and 17410 s and IFU No. 6	20	100772ZA30
PCA plate count agar	20 ml	UNE-EN ISO 4833:2004	120	100774ZAMP
PCA plate count agar	30 ml	ISO 4833, 8552 and 17410, IFU No. 6	20	100772ZA
PCA plate count agar	—	—	120	120774ZA
Potato dextrose	20 ml	-	20	100782XA
Potato dextrose agar	20 ml	Harm Ph	20	100782ZA
Potato dextrose agar	20 ml	Harm Ph	120	100782ZAMP
Pseudomonas agar (cetrimide)	20 ml	Harm Ph	20	100793ZA
Pseudomonas agar (cetrimide)	20 ml	Harm Ph	120	100793ZAMP
Pseudomonas CFC agar	20 ml	ISO 13720	20	101611ZA
Pseudomonas CFC agar	20 ml	ISO 13721	120	101611ZAMP
Rambach® agar	20 ml	-	20	101294ZA
Rambach® agar	20 ml	-	120	101294ZAMP
Rogosa agar	20 ml	ISO 9232, ISO 15214	20	100852ZA
Rose Bengal agar	20 ml	ISO 9232, ISO 15214	20	100070ZA
Rose Bengal agar	20 ml	—	120	100070ZAMP
Rose Bengal chloramphenicol agar	—	—	120	120070ZA
RPMI agar (MOPS glucose)	20 ml	CLSI	20	101938ZF
S.P.S. agar	20 ml	FDA, BAM	20	101320ZA
Sabourand 4% maltose agar	20 ml	USP, Eu Ph	20	104744ZA
Sabourand 4% maltose agar	20 ml	USP, Eu Ph	120	104744ZAMP
Sabouraud 2% dextrose agar	20 ml	-	20	100882ZA
Sabouraud 4% dextrose agar	20 ml	EP, USP	20	100884ZA
Sabouraud 4% dextrose chloramphenicol agar	20 ml	Harm Ph	20	100884CF
Sabouraud 4% dextrose chloramphenicol agar	20 ml	Harm Ph	120	100884CFMP
Sabouraud 4% glucose agar	20 ml	EP, USP	120	100884ZAMP
Sabouraud chloamp. gentamicin cyclohex.A	20 ml	USP; ISO	20	100880EA
Salmonella-Shigella (SS) agar	20 ml	-	20	100911ZA
Salmonella-Shigella (SS) agar	20 ml	-	120	100911ZAMP
Sheep blood polymyxin agar	20 ml	-	20	100250DF
Sheep blood polymyxin agar	20 ml	-	120	100250DFMP
Skirrow campylobacter agar	20 ml	-	120	102993AFMP
Skirrow selective medium	20 ml	-	20	102993AF
Slanetz and Bartley enterococci agar	20 ml	ISO 7899-2	20	100980ZA

Description	Filling	Standards	Pk	Cat. No.
Plates 140 mm				
Slanetz and Bartley enterococci agar	20 ml	ISO 7899-2	120	100980ZAMP
Standard I nutrient agar	20 ml	ISO 16266, ISO 12780	20	100692ZA
Standard I nutrient agar	20 ml	ISO 16266, ISO 12780	120	100692ZAMP
TBX agar	20 ml	ISO16649-1	20	101004ZA
TBX agar	20 ml	ISO16649-1	120	101004ZAMP
TBX agar 90 mm	20 ml	ISO16649, 11133	120	121004ZA
TCBS cholera agar	20 ml	ISO 8914, ISO 21872-2, AOAC, BAM	20	101011ZA
TCBS cholera agar	20 ml	ISO 8914, ISO 21872-2, AOAC, BAM	120	101011ZAMP
TGE agar plates, 90 mm	20 ml	FDA	20	106340ZA
Thayer Martin agar	20 ml	-	20	100353OF
Thayer Martin agar	20 ml	-	120	100353OFMP
TSA TLHTh B-Lactamase 400 IU/L, triple-wrapped	20 ml	-	20	131112RY
TSA tryptic soy agar	20 ml	Harm Ph	20	101114ZA
TSA tryptic soy agar	20 ml	Harm Ph	120	121114ZA
TSA tryptic soy agar	20 ml	Harm Ph	120	101114ZAMP
TSA tryptic soy agar with 5% sheep blood	20 ml	Harm Ph	120	101114FMP
TSA tryptic soy agar with 5% sheep blood	20 ml	Harm Ph	20	101114IF
TSA with cycloheximide	20 ml	-	20	101114AF
TSA with cycloheximide	20 ml	-	120	101114AFMP
TSA with NaCl	20 ml	-	20	101112DA
TSA with natamycin 0,1 g/L Petri 90 mm	20 ml	—	20	111114NF
TSC agar	20 ml	ISO 7937, ISO 6461-2, ISO 14189	20	101141AA
TSC agar	20 ml	ISO 7937, ISO 6461-2, ISO 14189	120	101141AAMP
TSN agar	20 ml	-	20	101370ZA
TSN agar plates, 90 mm 2 rd rack	20 ml	—	20	291370ZA
Violet red bile (VRB) agar	20 ml	EP, ISO 5541-1, ISO 4832, FIL/IDF	20	101183ZA
Violet red bile (VRB) agar	20 ml	EP, ISO 5541-1, ISO 4832, FIL/IDF	120	101183ZAMP
Violet red bile dextrose (VRBD) agar	20 ml	Harm Ph	20	101203ZA
Violet red bile dextrose (VRBD) agar	20 ml	Harm Ph	120	101203ZAMP
Violet red bile dextrose (VRBD) agar	20 ml	Harm Ph	120	121203ZA
Viral air sampling agar plates, 90 mm	20 ml	—	20	106321AA
WL nutrient agar	20 ml	-	30	171212ZA
WL Nutrient agar, 90 mm Petri	20 ml	ISO	20	101215ZA
Wort agar	20 ml	-	20	112321TA
Wort agar pH 4,3	20 ml	-	20	102322ZA
XLD agar	20 ml	Harm Ph	20	101241ZF
XLD agar	20 ml	ISO 6579	20	103542ZF
XLD agar	20 ml	Harm Ph	120	101241ZFMP
XLD novobiocin agar	20 ml	Harm Ph	20	101241AF
Yeast glucose chloramphenicol (YGC) 12x10	20 ml	DIN, FIL-IDF 94B, ISO 7954, ISO 11133	120	122230CA
Yeast glucose chloramphenicol (YGC) agar	20 ml	ISO 7954 and FIL-IDF 94B	20	112230CA
YGS medium, 90 mm plate	20 ml	—	20	103650YF



READY TO USE MEDIA PLATES (90 MM), IRRADIATED

Available as 90 mm plates acc. to standards. TLHTh (Tween®, lecithin, histidine, thiosulphate) are used as disinfectant neutralisers. Bags are available double- or triple-wrapped. One pack per bag displays the irradiation indicator.

- Triple-wrapping ensures that the package itself doesn't contaminate the environment, as the first wrapper is removed just before entering a clean area
- Available with certificate of irradiation/dosimetry
- VHP resistance studies available for all triple-wrapped plates

Storage: 15 to 25 °C for plates 280882TI, 280882ZI, 281112TI and 281112ZI; 2 to 14 °C for all the other plates.

The plates are packed 10 each in a plastic shrink-wrapped bag. Box contains 2 bags with a total of 20 or 6x10 plates.

Description	Filling	Standards	Pk	Cat. No.
Letheen modified agar double-wrapped	22 ml	FDA, USP	20	112750ZI
Letheen modified agar double-wrapped, multi-pack	22 ml	FDA, USP	120	112750ZIMP
PCA double-wrapped	22 ml	ISO 4833, 8552 and 17410 and IFU No. 6	20	110774ZI
PCA double-wrapped, multi-pack	22 ml	EPA, ISO 4833	120	110774ZIMP
R2A double-wrapped	22 ml	EPA	20	110802ZI
R2A double-wrapped, multi-pack	22 ml	-	120	110802ZIMP
R2A triple-wrapped	22 ml	EPA	20	130802ZI
R2A triple-wrapped, multi-pack	22 ml	-	120	130802ZIMP
Rose Bengal chloramphenicol penase double-wrapped	20 ml	-	20	110070PY
Rose Bengal chloramphenicol penase double-wrapped, multi-pack	20 ml	-	120	110070PYMP
Sabouraud 4% chloramphenicol agar double-wrapped	22 ml	HP, BAM, COMPF, ISO, EP, USP	20	110884CY
Sabouraud 4% chloramphenicol agar double-wrapped, multi-pack	22 ml	HP, BAM, COMPF, ISO, EP, USP	120	110884CYMP
Sabouraud 4% dextrose agar (SDA) TLHTh triple-wrapped, settle plate	22 ml	HP, BAM, COMPF, ISO, EP, USP	60	280882TI
Sabouraud 4% dextrose agar (SDA) triple-wrapped, settle plate	22 ml	HP, BAM, COMPF, ISO, EP, USP	60	280882ZI
Sabouraud 4% dextrose agar (SDA) with disinfectant neutraliser double-wrapped	22 ml	HP, BAM, COMPF, ISO, EP, USP	20	110884TI
Sabouraud 4% dextrose agar (SDA) with disinfectant neutraliser triple-wrapped, multi-pack	22 ml	HP, BAM, COMPF, ISO, EP, USP	120	110884TIMP
Sabouraud 4% dextrose agar double-wrapped	22 ml	Harm Ph	20	110884ZI
Sabouraud 4% dextrose agar double-wrapped, multi-pack	22 ml	Harm Ph	120	110884ZIMP
Sabouraud 4% dextrose agar triple-wrapped	22 ml	Harm Ph	20	130884ZI
Sabouraud 4% dextrose agar with chloramphenicol triple-wrapped	22 ml	Harm Ph	20	130884CY
TSA double-wrapped	22 ml	Harm Ph	20	111114ZI
TSA penase triple-wrapped	22 ml	Harm Ph	20	131114PY
TSA penase triple-wrapped, multi-pack	22 ml	Harm Ph	120	131114PYMP
TSA penase with neutralisers TLHTh double-wrapped	22 ml	Harm Ph	20	111114RY
TSA penase with neutralisers TLHTh double-wrapped, multi-pack	22 ml	Harm Ph	120	111114RYMP
TSA penase with neutralisers TLHTh triple-wrapped	22 ml	Harm Ph	20	131114RY
TSA penase with neutralisers TLHTh triple-wrapped, multi-pack	22 ml	Harm Ph	120	131114RYMP
TSA TLHTh + pyruvate triple-wrapped	22 ml	Harm Ph	20	131114XI
TSA TLHTh double-wrapped	22 ml	Harm Ph	20	111114TI
TSA TLHTh double-wrapped, multi-pack	22 ml	Harm Ph	120	111114TIMP
TSA TLHTh triple-wrapped	22 ml	Harm Ph	20	131114TI
TSA TLHTh triple-wrapped, multi-pack	22 ml	Harm Ph	120	131114TIMP
TSA TLHTh triple-wrapped, settle plate	22 ml	Harm Ph	60	281112TI
TSA TLHTh triple-wrapped, settle plate	30 ml	Harm Ph	60	281112TI30
TSA triple-wrapped	22 ml	Harm Ph	20	131114ZI
TSA triple-wrapped, settle plate (min order quantity of 10 packs)	22 ml	Harm Ph	60	281112ZI
TSA tryptic soy agar, double-wrapped, multi-pack	22 ml	Harm Ph	120	111114ZIMP
TSA tryptic soy agar, triple-wrapped, multi-pack	22 ml	Harm Ph	120	131114ZIMP
Wort agar double-wrapped, multi-pack	22 ml	Harm Ph	120	112321TAMP
YGC agar double-wrapped, multi-pack	22 ml	Harm Ph	120	112230CAMP

Description	Pk	Cat. No.
Accessories		
Data logger - temperature service	1	499270OO

WL DIFFERENTIAL AGAR

WL differential agar is primarily for use in the isolation of bacteria encountered in brewing and industrial fermentation processes.

Description	Pk	Cat. No.
WL differential agar	20	101215AA



CULTURE MEDIA, READY TO USE, IN TUBES

For various microbiological uses.

- Storage at room temperature for selected media
- Compact packaging, tubes are fitted with aluminium screw caps
- Media, batch number and expiry date printed on every single tube

Supplied in boxes of 20, 50 or 120 tubes.

Description	Volume (ml)	Standards	Pk	Cat. No.
Azide broth (Rothe)	10	-	120	690042ZAMP
Azide broth (Rothe)	10	-	20	690042ZA
Bile eculin agar tube 16x113 mm	-	FDA, ISO	20	640082ZA
Bpw 0.1 histidin 0.3 lecithin 3 tween 9	9	ISO 11133, ISO 16212, ISO 18415, ISO 18416, ISO 21149, ISO 21150, ISO 22717, ISO 22718	20	611310TA
Brain heart infusion (BCC)	10	ISO 6881-1	50	AX011103
Brain heart infusion broth	10	FDA, DIN, ISO 5944	20	600113ZA
Brilliant green 2% bile broth	10	APHA, AWWA, ISO 4831	20	730144WA
Brilliant green 2% bile broth	5	ISO 4831, APHA, AWWA	20	650144ZA
Brilliant green bile broth	9	APHA, AWWA	120	690144ZAMP
Brilliant green bile broth	9	APHA, AWWA	20	690144ZA
Brucella+Vitk+Hem broth	9	-	20	622370XA
Buffered peptone water	9	ISO 6579, ISO 8523, ISO 6785, ISO 6887, ISO 8261, ISO 21528, ISO 22964	120	610173ZAMP
Buffered peptone water	9	ISO 6579, ISO 8523, ISO 6785, ISO 6887, ISO 8261, ISO 21528, ISO 22964	50	AX011112
Buffered peptone water	9	ISO 6579, ISO 8523, ISO 6785, ISO 6887, ISO 8261, ISO 21528, ISO 22964	20	610173ZA
Buffered peptone water	10	ISO 6579, ISO 8523, ISO 6785, ISO 6887, ISO 8261, ISO 21528, ISO 22964	20	600170ZA
Buffered peptone water 0,1%	10	ISO 21149:2017, ISO 18415:2017, Harm Ph	120	601314ZAMP
Buffered peptone water 0,1%	9	ISO 21149:2017, ISO 18415:2017, Harm Ph	20	611314ZA
Buffered peptone water 0,1%	10	ISO 21149:2017, ISO 18415:2017, Harm Ph	20	601314ZA
Cetrimide agar	18	-	50	AX011199
De neutralising broth tubes	-	ISO	20	613430ZA
Differential reinforced clostridial agar	-	-	20	705870YA
Differential reinforced clostridial media	9	-	20	615870ZA
E.C. broth, Durham tube 16x112 mm	9	ISO 7251	20	601450ZA
EE broth, Mossel	9	EP, USP, JP	50	AX011196
EE Mossel broth	9	Harm Ph	120	600304ZAMP
EE Mossel broth	9	Harm Ph	20	600304ZA
Egg yolk sterile emulsion for Bacillus cereus base medium preparation	100	-	100 mL	351430ZF
Egg yolk tellurite sterile emulsion for Baird Parker medium preparation	100	-	100 mL	351430XF
Egg yolk tellurite sterile emulsion for Baird Parker medium preparation	50	-	50 mL	361430XF
Eugon Lt sup tube 9 ml	9	-	20	616350SA
Fluorocult® LMX broth modified	2	-	20	602524ZF
Fraser broth	10	ISO 11290-1	120	600343ZFMP
Fraser broth	10	ISO 11290-1	20	600343ZF
Giolitti Cantoni broth, double conc.	10	ISO 6888-3, ISO 5994, FIL-IDF	120	790360WFMP
Giolitti Cantoni broth, double conc.	10	ISO 6888-3, ISO 5994, FIL-IDF	20	790360WF
Giolitti Cantoni broth, simple conc.	9	ISO 6888-3, ISO 5994, FIL-IDF	120	610360ZFMP
Giolitti Cantoni broth, simple conc.	19	ISO 6888-3, ISO 5994, FIL-IDF	120	710360ZFMP
Giolitti Cantoni broth, simple conc.	9	ISO 6888-3, ISO 5994, FIL-IDF	20	610360ZF
Giolitti Cantoni broth, simple conc.	19	ISO 6888-3, ISO 5994, FIL-IDF	20	710360ZF
Glucose agar	7	ISO 8523, ISO 4702	20	603572ZA
Indole ornithine motility medium	9	FDA	20	651820ZA
Indole ornithine motility medium	9	FDA	120	651820ZAMP
Kanamycin aesculin broth	9	-	20	611830ZA
Kligler agar, slope	7,5	ISO 6340	120	640431ZAMP
Kligler agar, slope	7,5	ISO 6340	20	640431ZA
Lactose broth	9	Harm Ph, EPA	20	690440ZA
Lactose sulfite broth tubes 9 mm	9	ISO	20	692260ZA
Lauryl sulphate broth	10	ISO 5541-2, ISO 4841	120	890450WAMP

Description	Volume (ml)	Standards	Pk	Cat. No.
Lauryl sulphate broth	9	FIL	120	690450ZAMP
Lauryl sulphate broth	9	FIL	20	690450ZA
Lauryl sulphate broth, double conc.	10	ISO 5541-2, ISO 4841	20	890450WA
Lauryl sulphate broth, Durham tubes 16x112 mm	5	ISO 4831	20	650450ZA
Lauryl sulphate broth MUG, Durham	9	FDA, FIL/IDF	120	690450XAMP
Lauryl sulphate broth MUG, Durham	9	FDA, FIL/IDF	20	690450XA
LB Miller broth	9	-	20	632512ZA
Lethen broth	9	FDA	120	611585ZAMP
Lethen broth	10	FDA	20	601580ZA
Lethen broth	9	FDA	20	611585ZA
Liver meat agar	20	-	50	AX011146
Löwenstein-Jensen medium	6,4	-	120	640504ZAMP
Löwenstein-Jensen medium	6,4	-	20	640504ZA
Löwenstein-Jensen pyruvate medium	6,5	-	16	640504XA
Lysine iron agar, slope	7,5	AOAC	20	640511ZA
Lysine iron agar, slope	7,5	AOAC	120	640511ZAMP
M. Green broth	2	-	50	821302ZA
MacConkey agar	18	-	50	AX011197
MacConkey broth	9	Harm Ph	20	690674ZA
MacConkey broth	9	Harm Ph	120	690674ZAMP
MacConkey broth	10	-	50	AX019103
Malt extract acidified broth	2	ISO	50	826030ZA
Mannitol motility	9	-	20	601850ZA
Maximum recovery diluent	9	ISO 6887-1	20	613120ZA
M broth	9	FDA	20	613270ZA
M-Chromogenic coliforms broth	2	—	50	825490ZA
MKTTn broth acc. to ISO 6579	10	FDA	50	AX011184
MRS agar	20	ISO 9332, ISO 15214, IFU Methods 5,7,9	120	720582ZAMP
MRS agar	20	ISO 9332, ISO 15214, IFU Methods 5,7,9	20	720582ZA
MRS broth	10	ISO 9332, ISO 15214, IFU Methods 5, 7, 9	20	600592ZA
MRS broth, Durham tube	9	ISO 9332, ISO 15214, IFU Methods 5, 7, 9	20	690592ZA
MRS broth with Durham tube	10	ISO 10109	50	AX011159
Mueller-Kauffmann tetrathionate broth (supplement with iodine iodide solution, Cat. No. 84723.0001, before use)	10	ISO 6579	20	601030ZA
Muller Hinton broth + supplement	10	CLSI	20	600621ZA
Muller Hinton broth + supplement	10	CLSI	120	600621ZAMP
O/F glucose medium	10	ISO 21528-2	20	651812ZA
O/F glucose medium	10	ISO 21528-2	20	651810ZA
Orange serum agar	20	ISO 8914-1, ISO 8914-1	20	730731ZA
Orange serum agar acid	9	IFU Methods	20	730733IA
Palcam broth	10	ISO 11290	20	601410ZF
PBPS + 4% Tween® + 0,5% lecithin			20	601314TH
PCA	20	ISO 4833	20	720774ZA
PCA	15	ISO 4833	20	730774ZA
Peptone 0,1% and Tween® 80, 2%	9	-	50	710-0379
Peptone water	9	ISO 7251	20	610753ZA
Peptone water 0,1%	9	-	50	AX011186
Pharmacopoeia diluent (NaCl peptone broth pH 7)	9	EP	50	AX011144
Pharmacopoeia diluent with neutralising agent (DNP)	9	-	50	AX011158
Physiological sterile water 0,85%-100x9 ml	9	-	100	AX023150
R2 broth	2,5	-	50	825502ZA
Rappaport Vassiliadis broth	10	ISO 6579	120	600834ZAMP
Rappaport Vassiliadis broth	10	ISO 6579	50	AX011124
Rappaport Vassiliadis broth	10	ISO 6579	20	600834ZA
Rhamnose broth 2 ml tubes	2	FDA, ISO	20	695640RA
Ringer solution	10	-	20	601770ZA
Ringer solution	9	-	50	AX011139
Ringer solution	9	-	20	611770ZA
RVS broth	10	EP, USP, JP, Harm Ph	120	603552ZAMP
RVS broth	10	EP, USP, JP, Harm Ph	20	603552ZA
Saboraud chloramphenicol agar	15	HP, BAM, COMPF, ISO, EP, USP	20	730884CA
Sabouraud 4% dextrose agar	18	HP, BAM, COMPF, ISO, EP, USP	50	AX011198
Sabouraud 4% glucose chloramphenicol agar	15	HP, BAM, COMPF, ISO, EP, USP	50	AX011120
Sabouraud broth	9	HP, BAM, COMPF, ISO, EP, USP	20	600894ZA
Sabouraud chloramphenicol agar 18 ml tubes	18	EP; USP; ISO	20	710884CA
Sabouraud chloramphenicol agar	7	HP, BAM, COMPF, ISO, EP, USP	20	640884CA
Sabouraud dextrose agar 20 tubes	-	EP; USP; ISO	20	640884ZA
Sabouraud glucose agar	20	Harm Ph	20	720882ZA
Sabouraud with cycloheximide and chloramphenicol	6,2	-	20	640884DA
Sabouraud with cycloheximide and chloramphenicol	6,2	-	120	640884DAMP
Saline + 0,1% peptone broth	9	ISO 6887-1	120	613155ZAMP
Saline + 0,1% peptone broth	9	ISO 6887-1	20	613155ZA
Saline + polysorbate	9	-	20	602600OA

Description	Volume (ml)	Standards	Pk	Cat. No.
Saline solution 0,9%	10	-	20	601780ZA
Saline solution 0.9% 9 ml tubes	9	ISO 6887, ISO 22964	20	611780ZA
Selenite broth	10	ISO 6785, ISO 19250	20	600944ZA
Selenite cystine broth	10	ISO 6579	120	600954ZAMP
Selenite cystine broth	10	ISO 6579	20	600954ZA
Simmons citrate agar	6	ISO 10273, ISO 22964	120	640971ZAMP
Simmons citrate agar	6	ISO 10273, ISO 22964	20	640971ZA
SPS agar (perfringens selective agar)	10	ISO 10273, ISO 22964, FDA	20	601320ZA
SPS agar DC	10	FDA	120	761320WAMP
SPS agar DC	10	FDA	20	761320WA
SPS agar with paraffin (perfringens selective agar)	10	FDA	120	601320XAMP
SPS agar with paraffin (perfringens selective agar)	10	FDA	20	601320XA
β-Glucuronidase	2	ISO 21149, ISO 18415	20	632100ZF
β-Glucuronidase broth	2	ISO 21149, ISO 18415	120	632100ZFMP
TAT broth + Tween® + glass beads	9	-	50	AX011202
TAT broth + Tween® + glass beads	9,9	-	50	AX011204
TAT broth + Tween® 20	9	-	50	AX011155
TAT broth + Tween® without glass beads	9	-	50	AX011203
TAT broth + Tween® without glass beads	9,9	-	50	AX011205
TBG broth	10	-	50	AX011137
TB letheen	5	-	50	AX011192
Thioglycollate medium	9	Harm Ph, AOAC, BAM	20	621051ZA
Todd Hewitt broth	10	Harm Ph, BAM	20	601060ZA
Todd Hewitt with antibiotic	10	-	120	601060AAMP
Todd Hewitt with antibiotic	10	-	20	601060AA
Tryptone salt broth (maximum recovery diluent)	9	ISO 6887	50	AX011130
Tryptone soya broth (TSB) 100 tubes 10 ml	10	EP; USP; FDA; ISO	100	681121ZA
Tryptone water	9	ISO 7251	20	601083ZA
TSA tryptic soy agar	18	Harm Ph, ISO 9308-1	50	AX011200
TSA tryptic soy agar	15	Harm Ph, ISO 9308-1	20	731114ZA
TSA tryptic soy agar	20	Harm Ph, ISO 9308-1	20	721112ZA
TSA tryptic soy agar	15	Harm Ph, ISO 9308-1	50	AX011101
TSA tryptic soy agar, slope	6,5	Harm Ph, ISO 9308-1	20	641114ZA
TSB tryptic soy broth	15	Harm Ph, FDA	120	751121ZAMP
TSB tryptic soy broth	10	Harm Ph, FDA	50	AX011113
TSB tryptic soy broth	9	Harm Ph, FDA	50	AX011176
TSB tryptic soy broth	15	Harm Ph, FDA	20	751121ZA
TSB tryptic soy broth	9	Harm Ph, FDA	20	611121ZA
TSB tryptic soy broth	10	Harm Ph, FDA	20	601121ZA
TSB tryptic soy broth with neutralisers TLHTh	10	Harm Ph, FDA	20	721115TA
TSB with 0,1% Tween®	9	Harm Ph, ISO 9308-1	20	611122OA
TSB with Tween® 80 1% 20x7 ml	7	Harm Ph, ISO 9308-1	20	601121OA
TSC agar	20	ISO 737	50	AX011129
TSI agar	7,5	ISO 6579	20	641071ZA
TSI agar slants	10	ISO 6579	50	AX011122
TSN agar	9	ISO 3560	120	601370ZAMP
TSN agar	20	ISO 3560	50	AX011141
TSN agar	9	ISO 3560	20	601370ZA
Tube, glass 16x115 mm with screw cap	-	-	299	499127OO
Urea indole broth	2	-	20	661161XF
Urea indole broth	2	-	120	661161XFMP
Violet red bile agar (VRB)	15	FIL-IDF, ISO 5541-1, ISO 4832	20	731183ZA
Violet red bile glucose agar (VRBG)	15	Harm Ph	20	731203ZA
VP-RM broth	10	ISO 6579-1, ISO 6585, FIL/IDF, FDA	120	600531ZAMP
VP-RM broth	10	ISO 6579-1, ISO 6585, FIL/IDF, FDA	20	600531ZA
Xylose broth 2 ml tube	2	FDA, ISO	20	695640XA
Yeast starch glucose (YSG) broth	2,5	IFU Method No. 12	20	663650YF
Yeast starch glucose (YSG) broth	2,5	IFU Method No. 12	120	663650YFMP
Yeast starch glucose agar (YSGA)	20	IFU Method No. 12	20	723650YF
Yeast starch glucose agar (YSGA)	20	IFU Method No. 12	120	723650YFMP

EGG YOLK EMULSION, STERILE

Pk	Cat. No.
100 ml	536262U

EGG YOLK TELLURITE EMULSION

Pk	Cat. No.
50 ml	536252S



Contact slides

CONTACT SLIDES

Surface and liquid flexible slides for simple and effective microbiological monitoring and hygiene testing of surfaces and fluids.

- Two tests with one slide: Each slide is coated on both sides either with the same agar or with a different agar on each side
- Long shelf life: 9 months from production
- Clear instructions allow a simple way to evaluate the microbiological contamination of fluid surfaces (low, medium or high)
- Specifically formulated for total bacterial count and for detecting yeast and moulds, enterobacteria, *E. coli* and coliform
- Easily used and transported away from the laboratory to control the surfaces of production plants
- Easy to use thanks to the screw cap

Description	Pk	Cat. No.
Contact slides for total bacterial count (agar type: PCA + TTC + disinfectant neutralisers) and enterobacteria (agar type: VRBG + disinfectant neutralisers)	20	525262V
Contact slides for total bacterial count (agar type: PCA + TTC + disinfectant neutralisers) and for detection of yeasts and moulds (agar type: Rose Bengal CAF agar + disinfectant neutralisers)	20 Tests	525272V
Contact slides for total bacterial count (agar type: PCA + TTC + disinfectant neutralisers) and for the detection of <i>E. coli</i> and coliform (agar type: chromogenic and selective medium that allows the detection of <i>E. coli</i> and differentiation from other enterobacteria)	20	525392V
Contact slides for total bacterial count (agar type: PCA + TTC + disinfectant neutralisers) on both the sides of the slide	20 Tests	525322V
Contact slides for total bacterial count (agar type: TSA + disinfectant neutralisers) and detection of yeasts and moulds (agar type: Rose Bengal agar)	20	525482V
Contact slides for total bacterial count (agar type: TSA+ disinfectant neutralisers) on both sides of the slide	20	525472V



DIP SLIDES

Dip slides for microbiological monitoring of surfaces and in liquids. Each slide has media on both sides, with a choice of the same medium, or two different media on the two sides of the slide. This allows sampling of two surfaces with every slide. Testing with dip slides is a safe, reliable, economical and fast indicator of the presence of microorganisms. Dip slides, with a push cap, have a larger contact area.

- Supplied sterile
- Sampling takes only a few seconds
- Results are easily read after just 24 to 48 hours

Contact area (cm ²)	Dimensions	Paddle size	Tray W×L (mm)	Type
Push cap				
10	30 mm tube, 110 mm high	80×28 mm	50×22	Push cap
Screw cap				
7	24 mm tube, 92 mm high	72×20 mm	50×15	Screw cap

Description	Pk	Cat. No.
Push cap		
Baird-Parker, on both sides, for <i>Staphylococcus aureus</i>	10	535302D
Baird-Parker, on both sides, for <i>Staphylococcus aureus</i>	100	535303D
Baird-Parker and total count agar, for <i>Staphylococcus aureus</i>	10	535304D
Baird-Parker and total count agar, for <i>Staphylococcus aureus</i>	100	535305D
Baird-Parker and VRBG, for <i>Staphylococcus aureus</i> and Enterobacteriaceae	10	535308D
Malt extract agar, on both sides, for yeasts and moulds	10	535328D
Malt extract agar, on both sides, for yeasts and moulds	100	535329D
Nutrient agar and pseudomonas agar, for total count and <i>Pseudomonas</i>	10	535182R
Nutrient agar and pseudomonas agar, for total count and <i>Pseudomonas</i>	100	535184T
Nutrient agar with TTC, on both sides, for total count	10	535092Q
Nutrient agar with TTC, on both sides	100	535094S
Nutrient agar with TTC and malt extract agar, for total count, yeasts and moulds	10	535102B
Nutrient agar with TTC and malt extract agar, for total count, yeasts and moulds	100	535104D
Nutrient agar with TTC and neutralisers, for total count	10	535309D
Nutrient agar with TTC and neutralisers, for total count	100	535310D
R2A agar with TTC	10	535315D
Plate count agar, on both sides, for total count	100	535124H
Plate count agar and MacConkey agar, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	10	535142J
Plate count agar and MacConkey agar, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	100	535144L
Plate count agar and OGYE agar with neutralisers, for total count, yeasts and moulds	10	535132H
Plate count agar and OGYE agar with neutralisers, for total count, yeasts and moulds	100	535134J
Plate count agar and VRBGA, for <i>Staphylococcus aureus</i> and Enterobacteriaceae	10	535162N
Plate count agar and VRBGA, for <i>Staphylococcus aureus</i> and Enterobacteriaceae	100	535164P
Plate count agar and VRBGA with neutralisers, for <i>Staphylococcus aureus</i> and Enterobacteriaceae	10	535172P
Plate count agar and VRBGA with neutralisers, for <i>Staphylococcus aureus</i> and Enterobacteriaceae	100	535174R
Plate count agar MacConkey agar with neutralisers, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	10	535152L
Plate count agar MacConkey agar with neutralisers, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	100	535154N
Plate count agar, on both sides, for total count	10	535122F
Plate count agar with neutralisers, on both sides, for total count	10	535324D
Plate count agar with neutralisers, on both sides, for total count	100	535325D
Plate count agar with TTC, on both sides, for total count	10	535311D
Plate count agar with TTC, on both sides, for total count	100	535312D
Plate count agar with TTC and MacConkey agar 3, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	100	535319D
Plate count agar with TTC and MacConkey agar 3, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	10	535318D
Plate count agar with TTC and MacConkey agar 3 with neutralisers, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	10	535316D
Plate count agar with TTC and MacConkey agar 3 with neutralisers, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	100	535317D
Plate count agar with TTC and neutralisers, on both sides, for total count	100	535314D
<i>Pseudomonas</i> CFC and MacConkey agar 3, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	10	535322D
<i>Pseudomonas</i> CFC and MacConkey agar 3, for total count, <i>Salmonella</i> , <i>Shigella</i> and Coliform	100	535323D
Rose Bengal agar, for yeasts and moulds	10	535202E
Rose Bengal agar, for yeasts and moulds	100	535204G
TSA with malt extract agar, on both sides, for yeasts and moulds	10	535320D
TSA with neutralisers, on both sides, for total count	10	535326D
TSA with neutralisers, on both sides, for total count	100	535327D
TSA with TTC and malt extract agar, for yeasts and moulds	100	535321D
TSA with TTC and Rose Bengal agar, for total count, yeasts and moulds	10	535112D
TSA with TTC and Rose Bengal agar, for total count, yeasts and moulds	100	535114F
Screw cap		
Nutrient agar TTC, on both sides, for total count	10	535306D
Nutrient agar TTC, on both sides, for total count	100	535307D



DEHYDRATED CULTURE MEDIA IN BAGS, MEDIABAG

Each bag contains a pre-weighed amount of granulated media, double-bagged and irradiated. For just in time enrichment - add sterile water and sample material.

- Space saving, no bottles taking up shelf space
- Long shelf life
- No autoclaving and optimum solubility
- Dust-free work conditions

The following media are available for the bag system:

Buffered peptone water (BPW), in compliance with ISO 6579-1:2017, is a non selective pre-enrichment broth to increase recovery of bacteria, particularly pathogenic Enterobacteriaceae from foodstuffs

- Tryptic soy broth (TSB) used mainly for Media Fill test
- Fraser broth base used for the selective enrichment of *Listeria* spp.
- Lactose broth used as a preliminary test for coliform bacteria detection
- MacConkey broth for the detection and enumeration of coliforms
- Composition in accordance with standard methods, such as ISO, AFNOR, NMKL, etc.
- Special formulations and packaging formats available on request.

Description	Sterile water to be added	Pk	Cat. No.
Bags, irradiated, ready to use			
MediaBag, aluminium + paper foil, BPW	225 ml/bag	100	7501.00225
MediaBag, aluminium + paper foil, BPW	225 ml/bag	100	7591.00225
MediaBag, aluminium + paper foil, BPW	450 ml/bag	100	7501.00450
MediaBag, BPW	1350 ml/bag	100	7801.01350
MediaBag, BPW, 1530 g/bag	–	10	7801.60000
MediaBag, BPW, 1530 g/bag	–	10	7891.60000
MediaBag, aluminium + paper foil, half Fraser broth	45 ml/bag	100	7504.00045
MediaBag, aluminium + paper foil, half Fraser broth	450 ml/bag	50	7504.00450
MediaBag, aluminium + paper foil, half Fraser broth	2250 ml/bag	100	7504.02250
MediaBag, aluminium + paper foil, half Fraser broth	4500 ml/bag	100	7504.04500
MediaBag, aluminium + paper foil, Fraser broth	225 ml/bag	100	7511.00225
MediaBag, aluminium + paper foil, skimmed milk	225 ml/bag	100	7503.00225
MediaBag, aluminium + paper foil, skimmed milk	3375 ml/bag	20	7503.03375
MediaBag, TSB, 500 g/bag	500 ml/bag	1	7812.00500
MediaBag, TSB, 600 g/bag	600 ml/bag	1	7812.00600
MediaBag, TSB, 4500 g/bag	4500 ml/bag	1	7812.04500
MediaBag, TSB, 5000 g/bag	5000 ml/bag	1	7812.05000
MediaBag, TSB, 6000 g/bag	6000 ml/bag	1	7812.06000
MediaBag, TSB, 9000 g/bag	9000 ml/bag	1	7812.09000
MediaBag, TSB, 11000 g/bag	11000 ml/bag	1	7812.11000
MediaBag sachets for buffered peptone water	225 ml/bag	100	710-2051
MediaBag sachets for half fraser broth	225 ml/bag	100	710-2052
Stand-up bags, irradiated, ready to use			
MediaBag, stand-up bag for BPW	90 ml/bag	100	7301.00090
MediaBag, stand-up bag for BPW	225 ml/bag	100	7301.00225
MediaBag, stand-up bag for BPW	450 ml/bag	100	7301.00450
MediaBag, stand-up bag for BPW	900 ml/bag	100	7301.00900
MediaBag, stand-up bag for BPW	1125 ml/bag	100	7301.01125
MediaBag, stand-up bag for BPW	2250 ml/bag	100	7301.02250
MediaBag, stand-up bag for BPW	2700 ml/bag	50	7301.02700
MediaBag, stand-up bag for skimmed milk	250 ml/bag	100	7303.00225
MediaBag, stand-up bag for half Fraser broth with supplement	225 ml/bag	100	7304.00225
MediaBag, stand-up bag for buffered peptone water	225 ml/bag	100	710-2059
MediaBag, stand-up bag for buffered peptone water	1125 ml/bag	100	710-2060
MediaBag, stand-up bag for buffered peptone water	2250 ml/bag	100	710-2061
Aluminium stand-up bags with grip seal, irradiated, ready to use			
MediaBag, aluminium stand-up bag for BPW	3000 ml/bag	50	7601.03000
MediaBag, aluminium stand-up bag for BPW	3375 ml/bag	50	7601.03375
MediaBag, aluminium stand-up bag for BPW	3375 ml/bag	50	7691.03375
MediaBag, aluminium stand-up bag for BPW	4000 ml/bag	50	7601.04000
MediaBag, aluminium stand-up bag for BPW	4500 ml/bag	50	7601.04500
Large bags with 50 mm screw cap, irradiated, ready to use			
MediaBag B (big bag) BPW, 68,85 g	2700 ml/bag	20	7201.02700
MediaBag B (big bag) BPW, 86,06 g	3375 ml/bag	20	7201.03375
MediaBag B (big bag) BPW	3600 ml/bag	20	7201.03600
MediaBag B (big bag) BPW	4500 ml/bag	20	7201.04500

Description	Sterile water to be added	Pk	Cat. No.
Bags, irradiated, ready to use			
MediaBag B (big bag) BPW, double concentration	4500 ml/bag	20	7205.04500
MediaBag B (big bag) BPW	6750 ml/bag	20	7201.06750
MediaBag B (big bag) skimmed milk, 375 g	3750 ml/bag	20	7203.00372
MediaBag B (big bag) BPW	9000 ml/bag	20	7201.09000
MediaBag B (big bag) CCL for BPW	4500 ml/bag	20	7291.04500
MediaBag B (big bag) CCL for BPW	6750 ml/bag	20	7291.06750
MediaBag F (fermenter)	-	50	7200.00001
MediaBag B (big bag) BPW	3375 ml/bag	20	710-2056
MediaBag B (big bag) BPW	6750 ml/bag	20	710-2057
MediaBag B (big bag) BPW	9000 ml/bag	20	710-2058
MediaBag B (big bag) skimmed milk powder, 50 g	3375 ml/bag	15	7203.03375



Before addition of water to the bag containing the granulated culture media.



After addition of water to the bag containing the granulated culture media.

DEHYDRATED CULTURE MEDIA IN BAGS, MEDIABAG T

Every MediaBag T (tube-bag) is filled with pre-weighed granulated media. Connect the 0,2 µm filter unit aseptically to the tube by using the connector device. Add water under aseptic conditions into the bag via the filter system. Protect the tube end with the red cap.

Description	Sterile water to be added	Pk	Cat. No.
MediaBag T BPW (buffered peptone water)	3000 ml/bag	25	7701.03000
MediaBag T BPW (buffered peptone water)	5000 ml/bag	20	7701.05000
MediaBag T BPW (buffered peptone water)	5000 ml/bag	20	710-2062
MediaBag T BPW (buffered peptone water)	10000 ml/bag	20	7701.10000
MediaBag T BPW (buffered peptone water)	10000 ml/bag	20	710-2063
MediaBag T BPW (buffered peptone water)	10000 ml/bag	800	7781.10000
MediaBag T BPW (buffered peptone water)	15000 ml/bag	15	7701.15000
MediaBag T BPW (buffered peptone water)	15000 ml/bag	15	710-2064
MediaBag T BPW (buffered peptone water)	15000 ml/bag	720	7791.15000
MediaBag T BPW (buffered peptone water)	20000 ml/bag	15	7701.20000
MediaBag T BPW (buffered peptone water)	20000 ml/bag	15	710-2065
MediaBag T BPW (buffered peptone water)	20000 ml/bag	15	7716.20000
MediaBag T BPW (buffered peptone water), with filter	20000 ml/bag	15	7791.20000
MediaBag T for BPW, 65 cm tube	20000 ml/bag	15	7761.20000
MediaBag T half Fraser broth	5000 ml/bag	15	7704.05000
MediaBag T half Fraser broth	10000 ml/bag	15	7704.10000
MediaBag T half Fraser broth, no filter	20000 ml/bag	600	7781.20000
MediaBag T maximum recovery diluent	3000 ml/bag	25	7702.03000
MediaBag T maximum recovery diluent	5000 ml/bag	20	7702.05000
MediaBag T maximum recovery diluent	10000 ml/bag	20	710-2066
MediaBag T maximum recovery diluent	10000 ml/bag	20	7702.10000
MediaBag T maximum recovery diluent	20000 ml/bag	15	7702.20000
MediaBag T TSB (tryptic soy broth)	5000 ml/bag	15	7712.05000



MediaBag W

DEHYDRATED CULTURE MEDIA IN BAGS, MEDIABAG W

MediaBag W (wire-bag) are folded bags without connectors.

Description	Sterile water to be added	Pk	Cat. No.
MediaBag W BPW (Buffered Peptone Water)	1125 ml/bag	50	710-2053
MediaBag W BPW (Buffered Peptone Water)	1125 ml/bag	100	VWRC7901.01125_U
MediaBag W BPW (Buffered Peptone Water)	1800 ml/bag	50	7901.01800
MediaBag W BPW (Buffered Peptone Water)	2250 ml/bag	50	710-2054
MediaBag W BPW (Buffered Peptone Water)	2250 ml/bag	50	7901.02250
MediaBag W BPW (Buffered Peptone Water)	2700 ml/bag	50	7901.02700
MediaBag W BPW (Buffered Peptone Water)	3000 ml/bag	50	7901.03000
MediaBag W BPW (Buffered Peptone Water)	3375 ml/bag	50	7901.03375
MediaBag W BPW (Buffered Peptone Water)	3600 ml/bag	50	710-2055
MediaBag W BPW (Buffered Peptone Water)	3600 ml/bag	50	7901.03600
MediaBag W half Fraser	2250 ml/bag	25	7904.02250
MediaBag W half Fraser with supplement	900 ml/bag	50	7904.00900
MediaBag W half Fraser with supplement	1125 ml/bag	50	7904.01125

Description	Pk	Cat. No.
Accessories for Mediabags		
MediaBag filter unit and connectors	1	8001.00200
Empty 5 L box for use with MediaBag W	10	8000.05000
Male connector	1	MPC22004T



CULTURE MEDIA, READY TO USE, IN BAGS

Microbiology media in bags are ideally suited for high sample volumes.

- Space saving packaging
- No risk associated with broken glass bottles
- Media can be easily and conveniently dispensed using a gravimetric diluter or peristaltic pump

Description	Standards	Volume (ml)	Pk	Cat. No.
Buffered peptone water	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	2000	5	870179ZB
Buffered peptone water	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	2000	5	AX031107
Buffered peptone water	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	3000	3	800179ZB
Buffered peptone water	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	5000	10 L	850179ZB
Buffered peptone water	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	5000	2	AX031106
Buffered peptone water	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	3000	90	800179ZBMP
Buffered peptone water	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	5000	48	850179ZBMP
Buffered peptone water with Tween® 1%	ISO 22964, ISO 21528, ISO 19250, ISO 6579, 11290-2, 6887-1	3000	3	800179ZT
Half fraser broth	ISO-11290-1	2000	5	870343VB
Half fraser broth	ISO-11290-1	2000	5	AX031108
Half fraser broth	ISO-11290-1	3000	3	800343VB
Half fraser broth	ISO-11290-1	5000	2	850343VB
Half fraser broth	ISO-11290-1	5000	2	AX031109
Half fraser broth	ISO-11290-1	3000	90	800343VBMP
Half fraser broth	ISO-11290-1	5000	48	850343VBMP
Maximum recovery diluent	-	3000	3	803120ZB
Maximum recovery diluent	-	5000	2	853120ZB
Maximum recovery diluent, 2x5000 ml	-	5000	10 L	AX031119
Polyvalent universal neutraliser	-	2000	5	872760TA
Polyvalent universal neutraliser	-	5000	2	852760TA
Tryptone soya broth	EP; FDA; ISO 11133, ISO 9308	3000	1 Pack	801121ZE
Tryptone soy broth (TSB)	Harm Ph, ISO 9308-1	3000	1 Pack	801121ZB
Tryptone soy broth (TSB)	Harm Ph, ISO 9308-1	5000	2	851121ZB
Tryptone soy broth (TSB), (EP, USP, ISO 9308)	Harm Ph	5000	2	AX031110

Description	Pk	Cat. No.
Accessories		
Bag connector	1	499263OO

SODIUM THIOSULPHATE 0,1% IN AQUEOUS SOLUTION FOR MICROBIOLOGY

Description	Pack type	Pk Info	Pk	Cat. No.
Sodium thiosulphate 0,1% in aqueous solution for microbiology	Glass bottle	50x18 ml	50	AX011168



DEHYDRATED BUFFERED PEPTONE WATER IN BAGS
WITH RECONSTITUTION WATER, ONEBAG®

Ready to use buffered peptone water is prepared a few minutes before use, to guarantee the best performance of the medium.

- Long shelf life: 24 months at room temperature
- Bag, water and culture medium sterilised by gamma irradiation (no over-heating; better performance of the medium)
- No need for dispensing equipment (eg. diluter, deionised water producer and more)
- Culture media is prepared in a few minutes before use, to guarantee the best performance of the medium

Available to make up 90 or 225 ml of medium.

In compliance with ISO 6887, ISO 6579 and ISO 11290-2.

Dehydrated buffered peptone water (BPW) in bags with water

Description	Pk	Cat. No.
Onebag® dehydrated buffered peptone water (BPW) in bags with water, 20 bags x 225 ml	20	710-2050
Onebag® dehydrated buffered peptone water (BPW) in bags with water, 20 bags x 90 ml	20	710-2049



ONETEST® buffered peptone water (BPW)

READY TO USE MICROBIOLOGY CULTURE MEDIA, ONETEST®

Buffered peptone water in a safe and light plastic bottle; just shake and add your sample.

- Long shelf life: 24 months at room temperature
- Plastic bottles instead of glass: Lower weight for transportation and no risk of cutting injury
- Bottle, water and culture medium sterilised by gamma irradiation (no over-heating; better performance of the medium)

Gamma irradiated plastic bottle with the dehydrated culture media in the cap and the water in the bottle. It is enough to shake the bottle before the use to make up ready to use media.

Certificate of Analysis in compliance with ISO 11133 and ISO 7218.

Description	Filling	Pk	Cat. No.
Buffered peptone water in plastic bottle	90 ml of culture medium	8	710-2047
Buffered peptone water in plastic bottle	225 ml of culture medium	6	710-2048



ONETEST® buffered peptone water (BPW)

READY TO USE MICROBIOLOGY CULTURE MEDIA, ONETEST®

Buffered peptone water in a safe and light plastic bottle; just shake and add your sample.

- Long shelf life: 24 months at room temperature
- Plastic bottles instead of glass: Lower weight for transportation and no risk of cutting injury
- Bottle, water and culture medium sterilised by gamma irradiation (no over-heating; better performance of the medium)

Gamma irradiated plastic bottle with the dehydrated culture media in the cap and the water in the bottle. It is enough to shake the bottle before the use to make up ready to use media.

Certificate of Analysis in compliance with ISO 11133 and ISO 7218.

Description	Filling	Pk	Cat. No.
Buffered peptone water in plastic bottle	90 ml of culture medium	8	710-2047
Buffered peptone water in plastic bottle	225 ml of culture medium	6	710-2048



PRESERVATION SYSTEM, CRYOINSTANT

Microbiological laboratories need a simple procedure to maintain important microorganisms rather than repetitive sub-culturing, which results in contaminated cultures, loss of viability and, even more importantly, loss of original characteristics by introducing biochemical and genetic changes. Cryoinstant consists of 25 porous beads in a vial filled with a broth containing glycerol. Microorganisms will bind to the porous surface of the beads. The excess broth is aspirated, and the vials stored at temperatures down to -70 °C in a freezer.

- Quick and easy to use
- Colour coded
- Storage down to -70 °C
- Quality controlled for fertility and sterility

Cryoinstant is packed in packs of 50 vials of 2 ml.

Description	Pk	Cat. No.
Cryoinstant, blue	50	822072ZA
Cryoinstant, green	50	822073ZA
Cryoinstant, mixed	50	822070ZA
Cryoinstant, natural	50	822075ZA
Cryoinstant, red	50	822071ZA
Cryoinstant, yellow	50	822074ZA



Petri dishes, glass

PETRI DISHES, GLASS

Soda-lime glass, with lid. For use as disposables. These Petri dishes are a green alternative to disposable Petri dishes made from plastic.

- Good chemical resistance
- Heatable up to 60 °C
- Not suitable for applications related to strong heat or rapid temperature changes
- Ideal for bacterial culture production

Ø (mm)	Height (mm)	Sterility	Pk	Cat. No.
40	12	Non sterile	18	391-0650
60	15	Non sterile	18	391-0651
70	15	Non sterile	18	391-0652
80	15	Non sterile	18	391-0653
90	15	Non sterile	18	391-0654
100	15	Non sterile	18	391-0655
100	20	Non sterile	18	391-0656
120	20	Non sterile	18	391-0657
150	25	Non sterile	18	391-0658
180	30	Non sterile	9	391-0659
200	30	Non sterile	10	391-0660
200	50	Non sterile	7	391-0661



Petri dish, PS

PETRI DISHES, PS

PS. These dishes for microbiology application are manufactured under strict aseptic conditions using on-line production and packaging (ISO 6).

- Stable stacking
- Perfectly flat and retain shape up to 55 °C
- Excellent optical quality: Total transparency
- Compliant with automatic plate pourers
- Available in 55, 65, 90 and 140 mm diameter

Sterile dishes are supplied with proof of sterility and batch number displayed on the box. Cleanroom double-outer bag packaging available.

Certificates available upon request.

Version	Ø (mm)	Height (mm)	Sterility	Packed	Pk	Cat. No.
Aseptic						
Without vents	55	14	Aseptic	10/sleeve	1.080	390-1375
With 3 vents	55	14	Aseptic	10/sleeve	1.080	390-1373
Without vents	90	14	Aseptic	20/sleeve	480	391-0559
Without vents	90	14	Aseptic	30/sleeve	720	391-0598
Without vents, double-outer bag	90	14	Aseptic	20/sleeve	480	391-0561
With 1 vent	90	14	Aseptic	20/sleeve	480	391-0565
With 3 vents	90	14	Aseptic	20/sleeve	480	391-0556
With 3 vents	90	14	Aseptic	30/sleeve	720	391-0582
With 3 vents, double-outer bag	90	14	Aseptic	30/sleeve	720	391-0603
Without vents	90	16	Aseptic	20/sleeve	480	391-0467
Without vents	90	16	Aseptic	30/sleeve	720	391-0604
With 1 vent	90	16	Aseptic	30/sleeve	720	391-0606
With 3 vents	90	16	Aseptic	20/sleeve	480	391-0468
With 3 vents	90	16	Aseptic	30/sleeve	720	391-0608
With 3 vents, 2 compartments	90	16	Aseptic	20/sleeve	480	391-0492
Without vents	140	21	Aseptic	5/sleeve	140	391-0616
With 3 vents	140	21	Aseptic	5/sleeve	140	391-0618
Beta irradiated (SAL10⁻⁶)						
Without vents	55	14	Beta irradiated	10/sleeve	1.080	390-1376
With 3 vents	55	14	Beta irradiated	10/sleeve	1.080	390-1374
Contact dish, 3 vents, double-outer bag	65	15	Beta irradiated	10/sleeve	800	390-1377
With 3 vents and GRIPLID	65	15	Beta irradiated	10/sleeve	800	391-0635
Without vents	90	14	Beta irradiated	20/sleeve	480	391-0560
Without vents, double-outer bag	90	14	Beta irradiated	20/sleeve	480	391-0562
Without vents	90	14	Beta irradiated	30/sleeve	720	391-0599
Without vents, double-outer bag	90	14	Beta irradiated	30/sleeve	720	391-0600
With 3 vents	90	14	Beta irradiated	30/sleeve	720	391-0601
With 3 vents, double-outer bag	90	14	Beta irradiated	30/sleeve	720	391-0602
With 3 vents	90	16	Beta irradiated	20/sleeve	480	391-0469
Without vents	90	16	Beta irradiated	30/sleeve	720	391-0605
With 1 vent	90	16	Beta irradiated	30/sleeve	720	391-0607
With 3 vents	90	16	Beta irradiated	30/sleeve	720	391-0609
Without vents	140	21	Beta irradiated	5/sleeve	140	391-0617
With 3 vents	140	21	Beta irradiated	5/sleeve	140	391-0619



SPREADERS, L-SHAPED, DISPOSABLE

PS, sterile. The foot of the spreader has a completely smooth, rounded surface, free of rough edges and imperfections. It enables even spreading of liquid samples across the surface of agar plates without gouging or cutting the medium.

- Surface treated to enhance adhesion of droplets
- Non toxic
- Gamma irradiated

Dimensions: total length 145 mm (± 1 mm); spreader length 38 mm ($\pm 0,5$ mm)

Description	Colour	Packed	Pk	Cat. No.
Spreaders, L-shaped	Blue	Individually packed	500	612-1560
Spreaders, L-shaped	Blue	5/bag	1.000	612-1561

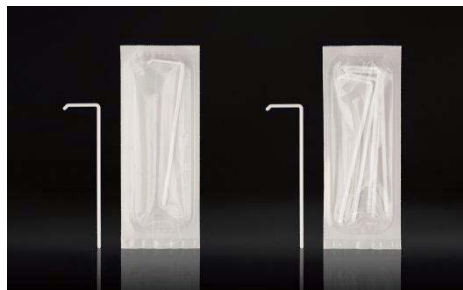


SPREADERS, T-SHAPED

PS, sterile. Designed for spreading and dispersing liquids across the surface of agar culture plates. Used for performing bacterial (for example, CFU) plate counts on water, milk and other liquid samples.

- Smooth, rounded surfaces to prevent cutting or gouging of agar
- T-shaped to ensure even pressure is applied while spreading

Description	Colour	Packed	Pk	Cat. No.
Spreaders, T-shaped	Blue	1/peel pouch	500	612-2651
Spreaders, T-shaped	Blue	5/peel pouch	1.000	612-2652
Spreaders, T-shaped	Blue	10/peel pouch	1.000	612-2653



SPREADERS, L-SHAPED, STANDARD LINE

These PS, sterile, disposable L-shaped spreaders enable even spreading of liquid samples across the surface of agar plates without gouging or cutting the medium.

- Smooth spreading surface
- Spreaders are pre-sterilised, eliminating the need for flaming or autoclaving
- Available individually packed or bulk packed (5 pieces per bag)

Description	Colour	Packed	Pk	Cat. No.
Spreaders, L-shaped	White	Individually wrapped	500	612-5496
Spreaders, L-shaped	White	5/bag	2.000	612-5497



SPREADERS, T-SHAPED, STANDARD LINE

These PS, sterile, disposable T-shaped spreaders are designed for spreading and dispersing liquids across the surface of agar culture plates. Their design ensures that even pressure is applied across the entire length of the T-bar in contact with the agar surface.

- Smooth spreading surface
- Pre-sterilised, eliminating the need for flaming or autoclaving
- Available individually packed or bulk packed (5 pieces per bag)

Description	Colour	Packed	Pk	Cat. No.
Spreaders, T-shaped	Blue	Individually wrapped	500	612-5498
Spreaders, T-shaped	Blue	5/bag	2.000	612-5499



INOCULATING LOOPS, DISPOSABLE

PS, sterile. These loops ensure consistent wetting and complete liquid transfer. Available rigid or flexible and have smooth edges to avoid gouging the surface of the media.

- Gamma sterilised
- Colour coded
- Hexagonal shaft for easy handling

Supplied with a calibration certificate in each box.

Description	Capacity (µl)	Colour	Packed	Pk	Cat. No.
Loops, rigid	1	Dark green	10/bag	500	612-9351
Loops, rigid	1	Dark green	20/bag	1.000	612-9352
Loops, rigid	10	Dark blue	10/bag	500	612-9353
Loops, rigid	10	Dark blue	20/bag	1.000	612-9354
Loops, flexible	1	Light green	10/bag	500	612-9355
Loops, flexible	1	Light green	20/bag	1.000	612-9356
Loops, flexible	10	Light blue	10/bag	500	612-9357
Loops, flexible	10	Light blue	20/bag	1.000	612-9358



INOCULATING NEEDLES, DISPOSABLE

PS, sterile. Disposable plastic inoculating needles.

Resealable pouches.

Description	Colour	Ø (mm)	Length (mm)	Pk	Cat. No.
Mini inoculating needles	Blue	1,15	150	500	612-2654
Inoculating needles	Violet	1,45	200	1.000	612-2655



INOCULATING LOOPS AND NEEDLES, DISPOSABLE

PS, sterile.

- Colour coded for easy product identification
- Hexagonal loop shaft improves grip, assisting orientation and making diluting and streaking easier
- Gamma sterilised

The resealable pouch allows loops to be easily accessed any number of times, then re-closed to maintain product integrity. The loops and needles are positioned upside down in the pouch in order to reduce any risk of contamination. Optional pack holder facilitates easy access using one hand, leaving the other hand free to hold a culture plate or tube.

Loops are supplied with a calibration certificate in each box.

40 loops/pouch (25 pouches per pack).

Description	Capacity (µl)	Colour	Packed	Pk	Cat. No.
Loops, rigid	1	Dark green	40	1.000	612-9360
Loops, rigid	10	Dark blue	40	1.000	612-9359
Loops, flexible	1	Light green	40	1.000	612-9361
Loops, flexible	10	Light blue	40	1.000	612-9362
Needles, Ø 1,45 mm, length 20 cm	-	Violet	40	1.000	612-9366

Description	Colour	Pk	Cat. No.
Accessories			
Holder for loops in resealable packs	Transparent	1	612-9365



INOCULATING LOOPS AND NEEDLES, DISPOSABLE

- PS, sterile. Calibrated, disposable inoculating loops made from flexible or rigid plastic that cater for microbiologist's different applications and methods.
- Colour coded for easy product identification
 - Conveniently packed in anti-roll tubes with push-on resealable cap
 - Fast, easy and secure access to the loops, without the need for a separate holder
 - Loops have an ultra-smooth surface for easy streaking and length of 210 mm

Calibration certificate supplied with every pack.

Description	Capacity (µl)	Colour	Packed	Pk	Cat. No.
Loops, rigid	1	Dark green	50	1.000	612-2494
Loops, rigid	10	Dark blue	50	1.000	612-2496
Loops, flexible	1	Light green	50	1.000	612-2497
Loops, flexible	10	Light blue	50	1.000	612-2498
Needles, Ø 1,45 mm	-	Purple	50	1.000	612-2495



COOLED INCUBATOR INCU-LINE® TOWER

The INCU-Line® Tower is a general purpose, dual-chamber, cooled incubator with natural convection. This digitally cooled incubator with Peltier technology offers an economical, space saving solution for microbiology applications at below room temperature. The built-in Peltier element has low energy consumption (only 35 W at 37 °C), and ensures temperature stability and uniformity over the entire temperature range.

- Compact design with a footprint of only 0,18 m²
- Digital PID control with PT100 sensor and LED display (resolution 0,1 °C)
- Excellent temperature stability, temperature accuracy at 37 °C is ±0,5 °C
- Temperature control can be re-adjusted with a certified reference temperature measuring instrument
- Easy to use, safe and reliable

The temperature can be freely adjusted in increments of 0,1 from 10 °C below ambient up to a maximum of 50 °C. The two chambers can operate independently at different temperatures and be switched off separately. Each chamber has its own transparent door, so samples can be observed without opening the door, thus preventing temperature changes within the chambers. The housing is constructed entirely of epoxy coated mild steel.

Supplied with two perforated stainless steel shelves per chamber and a test certificate (data measured at 37 °C).

* Measured with the chamber empty.

Model	INCU-Line Tower
Temperature range (°C)	Ambient -10...+50
Temperature fluctuation (time) (°C)	±0,2 at 37 °C *
Temperature variation (spatial) (°C)	±1,0 at 37 °C *
Capacity	2 × 23 L
Convection type	Natural convection
Shelves supplied (max.)	2 (3) per chamber
Max. load per shelf (kg)	3
Int. W×D×H (mm)	2× (294×300×270)
Ext. W×D×H (mm)	380×470×790
Nominal power consumption (W)	160
Weight (kg)	34

Type	Pk	Cat. No.
INCU-Line® Tower dual-chamber cooled incubator	1	390-0963

Description	Pk	Cat. No.
Accessories		
Tube rack for dip slides, 2×6 positions, Ø 32 mm	1	390-0386

VWR® for ovens and incubators

Visit vwr.com to find more information on VWR® ovens and incubators or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE





INCU-Line® IL 112 prime incubator

INCUBATORS WITH NATURAL CONVECTION, INCU-LINE® PRIME

INCU-Line® microbiological incubators are designed to cultivate organisms at homogeneous temperatures. They have a temperature range of 5 °C above ambient to 100 °C and can, for instance, be used for microbiological tests, germ count determination and ageing/heated storage.

- Multi-functional microprocessor controller with 4,3» full colour touch screen
- Five user program memory
- Five-segment temperature-time profile, quick change of set temperature and set time during a running program
- Scheduled program start (set of date and time) and loop function up to 255 times or endless
- Adjustable hold at set point time for temperature from 1 min to 366 days or continuous operation
- Adjustable ramp times (days/h/min)
- Over-temperature protection class 3.1
- Automatic air flap control (0% - closed, 100% - open, adjustable in increments of 1%)

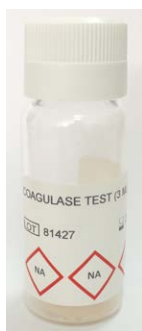
These incubators with natural convection feature a stainless steel (DIN 1.4016) inner chamber and a powder coated sheet exterior with lockable solid door and internal glass door for a stable atmosphere. All models have a 30 mm Ø access port, real time clock, USB interface (in front panel) to download data onto USB stick and LAN interface. The internal memory stores up to 10000 data records (stored for a maximum 6 months). The range has an auto-diagnostic function, power failure control system, temperature sensor fail alarm, open door alarm and audible and visual temperature alarms.

Prime incubators of the same size can be stacked without additional accessories (except the 180 L model which is not stackable).

Supplied with stainless steel wire shelves, manufacturer test certificate (data measured at 37 °C) and multilingual instruction manual (can be downloaded from internal memory onto a USB stick).

Model	IL 56 Prime	IL 112 Prime	IL 180 Prime
Temperature range (°C)	Ambient +5...100		
Temperature fluctuation (time) (°C)	±0,2 (at 37 °C)		
Temperature variation (spatial) (°C)	±0,7 (at 37 °C)	±0,6 (at 37 °C)	±0,8 (at 37 °C)
Capacity	56 L	112 L	180 L
Convection type	Natural convection		
Shelves supplied (max.)	2 (5)	2 (7)	3 (9)
Max. load per shelf (kg)	25		
Int. WxDxH (mm)	400×360×390	460×450×540	470×560×720
Ext. WxDxH (mm)	590×600×700	650×700×850	650×760×1030
Nominal power consumption (W)	450		650
Weight (kg)	54	67	88
Max. chamber capacity	50 kg		75 kg

Type	Pk	Cat. No.
INCU-Line® IL 56 Prime incubator	1	390-1346
INCU-Line® IL 112 Prime incubator	1	390-1349
INCU-Line® IL 180 Prime incubator	1	390-1350



Microorganism tests, coagulase

COAGULASE TEST

Confirmative test for coagulase-positive *Staphylococcus*.

- Formulated according to ISO 6888-1
- Can be used to differentiate *Staphylococcus aureus* from coagulase-negative *Staphylococci*

Description	Pk	Cat. No.
Coagulase test	10 mL	673030ZL
Coagulase test, 3 ml	10 Ampoul	673333ZL

OXIDASE SWABS IN A BOX

Swabs impregnated with reagent for the detection and verification of bacterial cytochrome oxidase.

- 2×25 swabs

*The product(s) below are outside the scope of the EU Directive 2019/904

Description	Pk	Cat. No.
Swabs, oxidase reagent	50 Tests	942152ZF



qPCR kit

REAL-TIME PCR KIT FOR *LEGIONELLA* SPP. (ISO/TS 12869)

Real-Time PCR kit for detection and quantification of *Legionella* spp. in environmental samples (ISO/TS 12869). Kit contains all necessary reagents for 100 reactions. This product provides rapid and efficient detection and quantification of *Legionella* spp.

- Optimal performance on a wide range of water samples
- Workflow compatible with ISO 11731:2017
- Thermally very stable reagents
- Probes with high efficiency quenchers
- Uracil-DNA Glycosylase (UDG) to remove carry-over contamination from other PCR
- Internal positive control to detect amplification inhibitors and false negative results
- Compatible with last generation thermal cyclers
- Compatible with viability PCR procedures

Real-Time PCR kit to detect and quantify *Legionella* spp. in drinking water samples and all types of continental waters (treated and untreated). It complies with the technical specifications set out in ISO/TS 12869 Water quality - Detection and quantification of *Legionella* spp. and/or *Legionella pneumophila* by concentration and genetic amplification by quantitative polymerase chain reaction (qPCR). It can also be used to confirm suspect colonies isolated in selective culture media. Probes and PCR primers are as recommended in the technical specification for *Legionella* spp.

In compliance with ISO/TS 12869.

stored in a freezer at -20°C

Application	qPCR probe
Storage conditions	stored in a freezer at -20°C

Description	Pk	Cat. No.
Legionella spp qPCR (ISO/TS 12869)	100 Tests	M01010KC



qPCR kit

REAL-TIME PCR KIT FOR *SALMONELLA SPP.* IN FOOD SAMPLES

Real-Time PCR kit for detection and quantification of *Salmonella spp.* in food samples. Kit that contains all necessary reagents for 100 reactions. This product provides rapid and efficient detection and quantification of *Salmonella spp.*

- Optimal performance on a wide range of food matrices
- Thermally very stable reagents
- Probes with high efficiency Quenchers
- Uracil-DNA Glycosylase (UDG) to remove carry-over contamination from other PCR
- Internal positive control to detect amplification inhibitors and false negative results
- Compatible with last generation thermal cyclers
- Compatible with viability PCR procedures
- Complies with the technical specifications of the method 64 LFGB BVL 00.0098

Real-Time PCR kit designed to detect and quantify *Salmonella spp.* in food samples after enrichment steps according to ISO standard microbiology procedures. It can also be used to confirm suspect colonies isolated in selective culture media. Probes and PCR primers comply with DIN 10135: 2013-05 (Microbiology of food and animal feeding stuffs - polymerase chain reaction (PCR) for the detection of food-borne pathogens - method for the detection of *Salmonella*).

stored in a freezer at -20°C

Application	qPCR probe
Storage conditions	stored in a freezer at -20°C

Description	Pk	Cat. No.
Salmonella spp qPCR	100 Tests	M01020KC



TL534B FL4

FLUORESCENCE MICROSCOPES, VISISCOPE® TL534B FL4

Advanced routine fluorescence microscope for transmitted brightfield and fluorescence observations with high quality IOS W-Plan or IOS W-Plan F (Semi-Apo) objectives. Suitable for educational and laboratory applications.

- Die-cast frame with high stability and ergonomics
- Double-layer rackless mechanical stage with Vernier scale on two axes
- Anti-fungus treatment for all objectives
- Infinity-corrected optical system (IOS)
- Energy saving LED technology with higher light intensity for bright images and improved colour fidelity

The extremely powerful LED fluorescence illuminators are combined with corresponding excitation filter sets for the visualisation of most fluorochromes. LED fluorescence ensures unparalleled convenience eliminating warm-up/cool-down times and all the inconveniences related to lamp replacement and adjustment. Transmitted light through the exclusive X-LED ensures great looking, rich, high quality specimen view.

The LED fluorescence attachment is a revolutionary solution. It consists of a 4-position selector for the use of 4 fluorescent illuminators, called LED fluorescence cubes. Each cube is composed of a filter set mounted on a filter block and a high power LED with emission corresponding to the filters installed. For various analysis a selection of 9 LED fluorescence filter cubes are available.

Supplied ready to use with eyepieces, objectives, multi-plug power supply, dust cover and immersion oil (10 ml). Cat. No. 630-3270 also includes two LED fluorescence cubes (blue and green).

Model	TL534B FL4 BG
Observation method	Brightfield and fluorescence
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/22 mm
Nosepiece	Quintuple
Objectives	IOS W-plan achromatic 4×, 10×, 40×, 100× (i)
Stage	233×147 mm (movement: 78×54 mm)
Condenser	Swing-out N.A. 0,2/0,9, with iris diaphragm, focusable and centerable
Focusing system	Coaxial coarse and fine knobs
Illumination	Transmitted illumination (Full Koehler type): X-LED (white, 3,6 W) with brightness control Epi-illumination: High-power wide spectrum LED with brightness; 4-position filter holder (empty)
W×D×H	276×395×490 mm
Weight	11,5 kg

Description	Type	Model	Pk	Cat. No.
Microscopes				
Fluorescence microscope with IOS W-Plan objectives and 2 LED fluorescence cubes (blue + green)	Trinocular	TL534B FL4 BG	1	630-3270



TL534



TL534 PH

TRINOCULAR MICROSCOPES, VISISCOPE® 534

Advanced routine microscopes for transmitted light applications in laboratories. Also ideal for teaching and training students, especially in the medical field.

- Anti-fungus treatment on all objectives
- Full Köhler illumination system for homogeneous, bright light
- Efficient, energy saving LED lamp
- IOS W-plan objectives for high contrast, sharp images
- Die-cast frame with high stability

Supplied ready to use with eyepieces, objectives, dust cover and multi-plug external power supply.

Model	TL534	TL534 PH
Observation method	Brightfield	Brightfield, phase contrast and darkfield
Head	30° inclined, 360° rotating	
Eyepieces	WF 10×/22 mm	
Nosepiece	Quintuple	
Objectives	IOS W-plan achromatic 4×, 10×, 40×, 100× (i)	
Stage	233×147 mm (movement: 78×54 mm)	
Condenser	Swing-out N.A. 0,2/0,9, with iris diaphragm, focusable and centreable	Phase condenser (10×/20×, 40×, 100×) with darkfield (dry) and brightfield
Focusing system	Coaxial coarse and fine knobs	
Illumination	LED (white, 3,6 W)	
W×D×H	255×400×420 mm	
Weight	5 kg	

Description	Type	Model	Pk	Cat. No.
Brightfield microscope	Trinocular	TL534	1	630-2943
Phase contrast microscope	Trinocular	TL534 PH	1	630-2944

VWR®
for microscopy

Visit vwr.com to find more information on VWR® for microscopy or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE





Premium 150 automatic colony counters

AUTOMATIC COLONY COUNTERS, PREMIUM 150 AND PREMIUM 90 HR

Premium 150 and Premium 90 HR colony counters and zone measurements systems.

- Plates can be automatically read at the press of a button
- High definition colour images taken with a 1,4 MP scientific grade CCD camera ensure that even the smallest colony can be seen and counted, while zone measurements are fast, accurate and reproducible
- A unique 3-channel LED lighting system configured for exceptional illumination of all sample types
- Can be used with a new or existing stand-alone desktop or laptop computers via USB connection – no additional PCI cards are required

The Premium 150 accepts plates of up to 150 mm in diameter and detect colonies as small as 100 µm and measure zones accurately to 0,5 mm. Designed for use across a wide range of applications.

The Premium 90 HR is equipped with a high resolution 12 mm F1.4 lens, accept plates of up to 90 mm and detect colonies as small as 75 µm and measure zones accurately to 0,5 mm.

Suitable for a wide range of applications in a pharma environment.

The Premium 150 and Premium 90 HR include colony counting and inhibition zone measuring ability, spiral plate counting, Ames testing and multi-sector measurements. Other applications on demand. Results can be automatically transferred to Excel, PDF or a LIMS system. All data generated is GLP/GMP/21 CFR Part 11 compliant with a full audit trail and can be used to produce professional reports. Each system comes complete with two validation plates.

PC is not included.

Model	Premium 150	Premium 90 HR
Count	Separation of touching colonies, exclusion areas, colour mode, shape mode, size mode	
Lighting	Unique 3-channel (red, green, blue) LED lighting, multi-array LED lighting (computer controlled), lower lighting with upper reflective lighting for all applications	
Camera	Integrated, sensitive 1,4 MP	
Resolution	For standard 150 mm Petri dishes, smallest detectable colony is 100 µm	For standard 90 mm Petri dish, smallest detectable colony is 75 µm
Software	Windows 7/10 compatible	
WxDxH	400x500x450 mm	
Weight	20 kg	

Description	Model	Pk	Cat. No.
Automatic colony counter	Premium 150	1	710-2073
Automatic colony counter	Premium 90 HR	1	710-2074



Automatic colony counters, Autolite

AUTOMATIC COLONY COUNTERS, AUTO LITE

Auto *lite* is the latest affordable, automated colony counting device. The Auto *lite* is available in one configuration and features simple to use software that greatly improves efficiency, reliability and productivity. Auto *lite* software uses a powerful algorithm for colony counting on pour and spiral plates. A colony separator automatically splits touching colonies to further improve the accuracy of the counting process.

- Low cost entry into electronic colony counting, pour and spiral
- Results and plate images are saved to a PC enabling traceability, consistency and report generation in Excel
- Plates can be counted in under 1 second
- Displays the image on your computer screen with counted colonies clearly marked - the zoom function allows the user to closely view plates, confirming accurate counting
- An integral CCD colour camera can be adjusted to increase the sensitivity of detection, enabling colonies as small as 0,1 mm to be imaged and counted
- Switchable LED lighting from upper to lower, both light and dark media can be counted in best conditions

Plates are automatically counted with results directly transferred to PDF, Excel or Open office. The Auto *lite* accepts plates up to 90 mm in diameter. Lighting is provided by LEDs mounted above and below the sample area for both transmitted and epi illumination. A detachable screen can be used to eliminate strong ambient light if required. Auto *lite* can be used with any conforming laptop or desktop PC and connects simply by using a USB port.

Data is stored in a SQL Server Express database automatically saving data in a secure manner.

Count	Separation of touching colonies, exclusion areas
Lighting	Multi-array LED lighting (computer controlled), lower lighting with upper reflective lighting for all applications
Camera	Integrated, sensitive 1 MP
Resolution	For standard 90 mm Petri dish, smallest detectable colony is 100 - 120 µm
Software	Windows 7/10 compatible
WxDxH	260x260x260 mm
Weight	3,3 kg

Description	Pk	Cat. No.
Automatic colony counter	1	710-2072



COLONY COUNTER, STC 100

The STC 100 is designed for the rapid and accurate counting of bacterial colonies.

- Multifunctional graphic display shows the number of colonies, average, time and date
- Audible and visible confirmation of each count
- Values can be saved on a memory card (optional)

There is a choice between single mode (count on one Petri dish) and multiple mode (count up to 20 dishes and the average continuously calculated and displayed). The instrument has a pressure-sensitive dish holder so it can be used with any kind of marker pen or probe. An optional external counting marker can also be connected. With the communication package, count values can be stored with date and time. Additionally, there is the possibility to add sample IDs or barcodes (optional reader) to the count value.

Supplied with a black background plate, magnifying glass, standard marker, Wolffhügel grid, adapter for 90 mm Petri dishes and cable with universal plug.

Count	0 to 999		
Dish size	90 mm		
Illumination	LED		
WxDxH	260x330x110 mm		
Max. scale Ø	120 mm		
Description	Model	Pk	Cat. No.
Colony counter with universal plug	STC 100	1	710-0710



CELL COUNTER, COUNTER-PEN™

Counter-Pen is a combination marker and digital counter designed for the laboratory and plant. Each time a black mark is made with the felt-tipped pen, it automatically sounds a beep, and LCD displays the counts.

- Touch, sound, and count occur simultaneously
- Audio/visual counts to 99999 with reset button
- On/off switch

Used to count cell growth on Petri dishes, inventory parts, and tally samples received. With pen cap. Impossible to make an error, even when interrupted - marks hold your place and counter holds your total.

Description	Pk	Cat. No.
Pen	1	710-0858
Ink cartridge	1	710-0859



AUTOCLAVES, VAPOUR-LINE *LITE*

Autoclave for occasional use. AISI 304 stainless steel housing, easy to maintain and disinfect, aluminium inner chamber and ABS insulating lid with locking system.

- Microprocessor-controlled automatic thermal regulation
- Digital temperature and sterilisation time display
- Automatic ventilation valve and electronic temperature cut-off safety protection system
- Reinforced heating element and PT100 probe
- Automatic sterilisation programs
- Available with or without integrated printer

Basket is not supplied with the autoclave. Please order separately.

Model	VAPOUR- Line <i>Lite</i>	VAPOUR- Line <i>Lite P</i>
Capacity	23 L	
Material	Exterior: Stainless steel AISI 304 Interior: Aluminium	
Temperature (°C)	Max. 121	
Int.Ø×H	310×290 mm	
Ext.Ø×H (mm)	470×580	
Weight (kg)	13,25	

Description	Pk	Cat. No.
Bench top vertical autoclave, VAPOUR- Line <i>Lite</i>	1	481-0846
Bench top vertical autoclave, with integrated printer, VAPOUR- Line <i>Lite P</i>	1	481-0847

Description	Pk	Cat. No.
Accessory		
LITEbox basket: (Ø×H): 280×260, with transporting handle, in stainless steel	1	481-0670



AUTOCLAVE DEODORANT

This autoclave deodorant improves the working environment and neutralises odours associated with autoclaving.

- Capsule releases its contents automatically as the autoclave heats up
- Easy to use

Description	Pk	Cat. No.
Eucalyptus and mint fragrance	100	320101.100
Apple fragrance	100	320201.100
Lemon fragrance	100	320301.100
Floral fragrance	100	320401.100
Peach fragrance	100	320501.100



TOP LOADING VWR® VAPOUR-LINE^{eco} AUTOCLAVES

Easy to use, automatic, flexible, reliable and convenient autoclave for all standard laboratory procedures with special features, such as F₀ calculation and liquid sterilisation with flexible thermoprobe (for 50 litre model).

- User friendly programmer, instructions printed on the front panel
- Easy to install, easy to use and maintain
- Fully automatic with GLP special functions
- Reliable: 10 year warranty against perforating corrosion
- Customisable programs
- Safety: ABS insulating lid with vertical position lock – temperature-dependent lid lock
- Flexible PT100 thermoprobe for *eco* 50 (fixed for *eco* 25), can be positioned in liquid load (max. 50 ml recommended)

Inside pressure vessel and outside structure made from stainless steel (*eco* 25 AISI 304 S/S, *eco* 50 AISI 316L S/S).

Conforms to European PED regulations, CE mark. IQ/OQ/PQ documentation available on request.

Please contact your local Avantor office to clarify the correct model/features that suit your application.

Model	VAPOUR-Line ^{eco} 25	VAPOUR-Line ^{eco} 50
Capacity	25 L	50 L
Material	AISI 304 S/S	AISI 316L S/S
Temperature (°C)	134	
Max. pressure (bar)	2,1 bar	
Voltage (V)	230	380 (3 phase)
Int.Ø×H	250×450 mm	320×600 mm
W×D×H ext. (mm)	550×540×1005	550×570×1005
Weight (kg)	45	60
Power rating (kW)	1,7	3,7

Description	Pk	Cat. No.
Autoclave, vertical, VAPOUR-Line ^{eco} 25, with 5 personal programs, can hold 1× Ecobox-25 or 2× Ecobox-25-Mini	1	481-0671
Autoclave, vertical, VAPOUR-Line ^{eco} 25, with printer, with 5 personal programs, can hold 1× Ecobox-25 or 2× Ecobox-25-Mini	1	481-0708
Autoclave, vertical, VAPOUR-Line ^{eco} 50, with 7 personal programs, can hold 2× Ecobox-50 or 3× Ecobox-50-Mini	1	481-0665

Description	Pk	Cat. No.
Accessories		
Ecobox-25 basket: (Ø×H): 240×420 mm, in stainless steel AISI 304 (max. load: 1 basket)	1	710-0887
Ecobox-25-mini basket: (Ø×H): 240×210 mm, in stainless steel AISI 304 (max. load: 2 baskets)	1	481-0669
Ecobox-50 basket: (Ø×H): 310×285 mm, in stainless steel AISI 304 (max. load: 2 baskets)	1	481-0672
Ecobox-50-mini basket: (Ø×H): 310×190 mm in stainless steel AISI 304 (max. load: 3 baskets)	1	481-0668
IQ-OQ-PQ instruction manual for Beta 25 Easy Lock autoclave	1	481-0724
Betabox basket: Ext. Ø 310×380 mm, in stainless steel AISI 304 (max. load: 1 basket)	1	481-0677

CLEANING SOLUTION, IPASEPT® 70

Iso-propyl alcohol Ph. Eur. 70% v/v, with purified water Ph. Eur. 30% v/v, filtered at 0,2 µm.

- Filled under GMP conditions in cleanroom ISO Class 7
- Certificate of Analysis available for each batch

For surface spray cleaning, with or without wipes. Also for cleaning gloved hands before entry into cleanrooms. Ideal for wiping down entrances to controlled environments.

Description	Packed	Pk	Cat. No.
IPASEPT® 70	6×1 L trigger spray bottles	6 l	93002.1016
IPASEPT® 70	1×10 L canister	10 L	93002.9010



With 'Biohazard' printing

DISPOSAL BAGS

For safe disposal of laboratory waste such as pipette tips, disposable Petri dishes, sample tubes, etc.

PP, 40 µm thick, clear, with or without 'Biohazard' printing.

- Heat resistant up to 145 °C
- Autoclavable

Description	Capacity (l)	LxW (mm)	Pk	Cat. No.
Without 'Biohazard' printing				
Autoclavable bags, clear	2	300x200	500	129-0578
Autoclavable bags, clear	3	400x250	500	129-0579
Autoclavable bags, clear	12	660x305	500	129-0580
Autoclavable bags, clear	14	610x420	500	129-0582
Autoclavable bags, clear	16	780x400	500	129-0581
Autoclavable bags, clear	25	770x550	500	129-0583
Autoclavable bags, clear	32	780x600	500	129-0584
Autoclavable bags, clear	40	1100x700	350	129-0585
Autoclavable bags, clear	60	1100x900	100	129-0586
With 'Biohazard' printing				
Autoclavable bags, clear, with 'Biohazard' printing	12	660x305	200	129-0587
Autoclavable bags, clear, with 'Biohazard' printing	14	610x420	200	129-0588
Autoclavable bags, clear, with 'Biohazard' printing	32	780x600	200	129-0589



BAGS, NON HAZARDOUS WASTE

Sturdy bags, ideal for disposing of non hazardous waste that must first be autoclaved.

In PP, 50 µm thick, transparent, with labelling area.

- Autoclavable up to 121 °C
- Highly resistant to tears and impact
- Specially welded seams reduce risk of leakage

Bags meet the requirements of the 165 g puncture inspection standard as described in ASTM D1709-98.

Capacity	Material	LxW (mm)	Pk	Cat. No.
11 L	PP	483x356	200	129-0020
27 L	PP	610x483	200	129-0021
80 L	PP	889x635	200	129-0022
210 L	PP	1143x914	100	129-0023

BAGS, BIOHAZARD

Sturdy bags, ideal for disposing of biologically hazardous waste that must first be autoclaved.

PP, 75 µm thick, red, with 'Biohazard' label.

- Autoclavable up to 135 °C
- The useful temperature indicator text is white before autoclaving, then black
- 'Contents Have Been Autoclaved' indicates successful autoclaving
- Luminous red for easy recognition and highly visible 'Biohazard' label with the corresponding warning sign

These bags are DOT approved.



Capacity	Material	LxW (mm)	Thickness (µm)	Pk	Cat. No.
12 L	PP	610x305	75	250	129-0030
45 L	PP	762x610	76	250	129-1560
60 L	PP	914x610	75	250	129-0031
60 L	PP	914x610	100	200	129-1561
100 L	PP	1016x787	100	100	129-1562
200 L	PP	1220x965	75	50	129-0032



BIOHAZARD BAGS, PP

Sturdy bags, ideal for disposing of biologically hazardous waste that must first be autoclaved. Complete with wire closures that allow expansion of the bag and ventilation when cooling. Highly resistant to tears and punctures. Available as transparent bags without temperature indicator, or orange with temperature indicator. PP, 50 µm thick, with 'Biohazard' label.

- Autoclavable up to 135 °C
- The useful temperature indicator text is white before autoclaving, then black
- 'Contents Have Been Autoclaved' indicates successful autoclaving
- Highly visible 'Biohazard' label with the corresponding warning sign

Bags meet the requirements of the 165 g puncture inspection standard as described in ASTM D 709-98.

Capacity	Material	LxW (mm)	Pk	Cat. No.
Orange				
11 L	PP	483x356	200	129-0024
27 L	PP	610x483	200	129-0025
80 L	PP	889x635	200	129-0026
210 L	PP	1143x914	100	129-0027
Clear				
12 L	PP	610x305	200	129-0028
60 L	PP	915x610	200	129-0029
200 L	PP	965x1220	100	129-1157



BAGS, BIOHAZARD

These sturdy bags are ideal for disposing of biologically hazardous waste that must first be autoclaved. PP, 50 µm thick, red.

- Autoclavable up to 135 °C
- Available with or without temperature indicator
- Useful temperature indicator text is white before autoclaving, then black
- Text 'Contents Have Been Autoclaved' indicates successful autoclaving
- Luminous red for easy recognition and highly visible 'Biohazard' label with corresponding warning sign

Bags meet the requirements of the 480 g tensile strength test as described in ASTM D 299-94A.

Description	Capacity	Material	LxW (mm)	Pk	Cat. No.
Red, with printed sign and temperature indicator	12 L	PP	610x305	200	129-0033
Plain red, without printed sign	12 L	PP	610x305	200	129-0037
Red, with printed sign and temperature indicator	80 L	PP	890x635	200	129-0034
Red, with printed sign and temperature indicator	75 L	PP	914x610	200	129-0035
Plain red, without printed sign	75 L	PP	914x610	200	129-0038
Red, with printed sign and temperature indicator	260 L	PP	1219x965	100	129-0036



BAGS, BIOHAZARD

Sturdy bags, ideal for disposing of biologically hazardous waste that must first be autoclaved. Supplied complete with the necessary sealing wires. HDPE, 100 µm thick, red, with 'Biohazard' label.

- Autoclavable up to 121 °C
- Highly resistant to tears and impact
- Luminous red for easy recognition and highly visible 'Biohazard' label with corresponding warning sign

Capacity	Material	LxW (mm)	Pk	Cat. No.
12 L	HDPE	610x305	50	129-0039
75 L	HDPE	914x610	50	129-0040
260 L	HDPE	1220x965	50	129-0041
34 L	HDPE	762x610	250	129-1563



INCINERATION BAGS

Constructed of durable PP with feature the universal biohazard symbol in black.

Meets the 165 g dart drop standard performed per ASTM D1709-98 and the 480 g tear standard performed per ASTM D1299-94A.

Autoclaving not recommended. Bags will melt at 98,9 °C.

Description	Material	LxW (mm)	Pk	Cat. No.
Biohazard bag, red, DOT approved	PP	200x305	400	129-1565
Biohazard bag, red, DOT approved	PP	355x480	200	129-1566
Biohazard bag, red, DOT approved	PP	483x610	200	129-1567
Biohazard bag, red, DOT approved	PP	635x889	200	129-1568
Biohazard bag, red, DOT approved	PP	914x1143	100	129-1569



<STEPREF A=»4949671» O=»17886590» OT=»Product»
SR=»Primary Image» VC=»GL» VO=»HSG_Microbiology»
W=»Main» />

AUTOCLAVABLE BAGS, YELLOW, BIOHAZARD

Ideal for processing biohazardous materials that require autoclaving prior to disposal. Available with or without temperature indicator. High integrity polypropylene bags withstand 135 °C (275 °F) maximum autoclave temperature. PP, 50 µm thick, yellow.

- Twist-tie closure allows bag to expand and vent steam during cooling
- Bags resist punctures, tears and leaks, and they also meet the 165 g dart-drop standard as required by ASTM D1709-98
- Each bag is imprinted with the universal biohazard symbol

All biohazard bags have a temperature indicator patch with the words 'Contents Have Been Autoclaved' printed in a chemically active ink. Before autoclaving the ink is clear on a white background, after autoclaving is complete, it darkens and words appear in a dark brown colour, providing proof that bag has been exposed to high temperatures for sterilisation.

LxW (mm)	Packed	Pk	Cat. No.
305x203	Case of 400	400	129-1148
483x356	Case of 200	200	129-1149
610x483	Case of 200	200	129-1150
914x610	Case of 200	200	129-1151
1220x940	Case of 100	100	129-1152



Autoclave bags

AUTOCLAVABLE BAGS

Sturdy, temperature resistant bags, ideal for disposing of hazardous waste that must first be autoclaved. Can also be used for autoclaving other products.

Supplied complete with sealing wires. PP, 37,5 µm or 50 µm thick, transparent.

- Clear bag
- Autoclavable up to 135 °C
- Highly resistant to tears and impact

Capacity	Material	LxW (mm)	Thickness (µm)	Pk	Cat. No.
<3,8 L	PP	200x305	50	100	129-1153
8 L	PP	305x610	50	100	129-1154
8 L	PP	610x305	37,5	1.000	129-0018
34 L	PP	610x760	50	100	129-1155
45 L	PP	910x610	50	100	129-1156
45 L	PP	914x610	37,5	500	129-0019

Safety resources

At Avantor, we are focused on your safety and well-being. Our service does not end with the delivery of safety products, it is also our aim to keep you up to date with the latest regulatory information, product innovations, and to provide access to valuable educational resources when you need them.

LEARN MORE ABOUT OUR PRODUCTS & SERVICES

With our extensive portfolio of safety products and our range of service solutions we are ready to help you stay safe and productive in laboratory research and industrial applications. Visit us on [vwr.com/safety](https://www.vwr.com/safety)



CLICK
HERE

Learn more in
our video

SUBSCRIBE TO OUR SAFETY E-NEWSLETTER

Be informed about regulatory updates, market trends, product innovations, as well as new safety services and solutions from Avantor.



CLICK
HERE

Choose safety
and cleaning
to subscribe

MONTHLY PROMOTIONS ON PPE & SAFETY

Attractive limited time offers and price promotions on personal protective equipment, safety, janitorial, and first aid products.



CLICK
HERE

Safety promos
on [vwr.com](https://www.vwr.com)

APPLICATION NOTES LIBRARY ON VWR.COM

Your source of information from the leading safety manufacturers and the experts at Avantor.

- White papers and application notes
- Technical information, 'how to's', and videos



CLICK
HERE

Choose your
specific area
of interest

VALUABLE CONTENT FROM OUR LEADING BRANDS

On the landing pages of our key suppliers you will find free to access videos, white papers, guides, and info on featured products from their ranges.

- 3M – Introducing the science of safety
- Protecting people around the globe with trusted brands from DuPont Personal Protection
- Safe labs rely on smart hand protection from Ansell
- uvex – Protecting people from head to toe
- Kimberly-Clark Professional – Be your best with Kimtech™ products
- Simplify your laboratory identification and workplace safety with Brady solutions



CLICK
HERE

Discover
valuable free
information

LAB SAFETY SOLUTIONS

We offer a comprehensive collection of equipment and apparel for the protection of your laboratory staff and to reduce exposure to workplace hazards and injuries.



CLICK
HERE

Flip through
our lab safety
catalogue



111-1839

GOGGLES, MONTREAL, VWR®

Ergonomically designed wide vision goggles with co-injected frame provides 180° panoramic view. PC lens, PP (hard part) and AES Santoprene (soft part) frame, nylon headband.

- Indirect ventilation to prevent fogging
- Withstands extreme temperatures
- Designed to give optimum fit to all facial contours
- Easy four-step lens replacement

2016/425/EU, EN 166:2001, ISO 9001:2008; EN 166 3 9 BT CE (frame), 1 BT 9 0 (lens)

Type	Colour	Pk	Cat. No.
Anti-scratch, anti-fog	Black	1	111-1839



111-1842

SAFETY SPECTACLES, ROME

Wrap-around protective eyewear offering a comfortable and custom fit all day long.

- Adjustable temple length enables wearers to fit the eyewear to their facial profile
- Lightweight, frameless design
- Soft nose bridge for added comfort
- Easy lens replacement

2016/425/EU, EN 166:2001, EN 170; EN 166 FT CE (frame); 1 FT (lens).

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Blue	1	111-1842



111-1843

SAFETY SPECTACLES, AMSTERDAM

Wrap-around, single-lens safety glasses combining fashion, fit and function.

- Extremely lightweight
- Pantoscopic adjustment allows lens angle modification
- Rubber tips for added comfort

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Orange	1	111-1843



111-1844

SAFETY SPECTACLES, STOCKHOLM

Extremely lightweight, modern safety eyewear with outstanding field of vision and exceptional protection.

- Moulded-in nose bridge provides uncompromised comfort and fit
- Single-piece lens that will fit most faces
- Soft rubber tip for additional comfort

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV, anti-scratch, anti-fog	Clear PC	Transparent/black	1	111-1844



111-1845

SAFETY SPECTACLES, LONDON

Stylish protective eyewear combining fashion, fit and function.

- Moulded-in nose bridge
- Soft, non slip rubber temple tips
- Ideal for small facial contours

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Light blue	1	111-1845



111-1847

SAFETY SPECTACLES, BUDAPEST

Wrap-around protective eyewear combining fashion, fit and function. One-piece PC lens and a lightweight, frameless design ensures a comfortable custom fit all day long.

- Adjustable temple length enables wearers to fit the eyewear to their facial profile
- Pantoscopic adjustment allows lens angle modification
- Integrated side shield
- Soft nose bridge for extra comfort

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	1	111-1847



111-0930

VISITOR SPECTACLES, LISBON

Visitor glasses with wrap-around, clear polycarbonate lens and indirect ventilation.

- Anti-scratch/anti-fog coating
- Integrated brow guard
- Vented side shields

Weight: 46 g

2016/425/EU, EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Transparent	1	111-0930



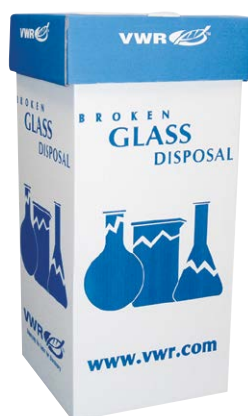
DISPENSERS FOR PERSONAL PROTECTIVE EQUIPMENT

ABS containers for storing personal safety apparatus in the workplace.

- Protection against dirt, dust and dampness
- Opening allows for quick removal of PPE in case of emergency
- Can be mounted using adhesive fittings or screwed to the wall

PPE type	Safety glasses
Material	ABS
Dispenser type	Wall-mountable
WxDxH	236x120x120 mm

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Mini				
Safety glasses dispenser, ABS	236x120x120	Blue	1	111-0000
Safety glasses dispenser, ABS	236x120x120	Transparent	1	111-0021



BOXES FOR BROKEN GLASS

Corrugated cardboard with PE pouch, 50 µm thick.

- Folded flat for space-saving storage
- A flap is built into the lid for easy filling
- The internal safety lid is closed for removal of the container

Ideal for collecting, transporting and removing broken glass from the laboratory. Consists of a sturdy box made of strong corrugated cardboard, and a PE insertion pouch which prevents any possible escape of fluids adhering to broken glass.

Does not qualify as a DOT container.

Delivered unassembled. Assembly takes a few seconds.

Description	WxDxH (mm)	Pk	Cat. No.
Floor standing box, max. weight: 18 kg	305x305x685	6	119-0036
Bench standing box, max. weight: 5,5 kg	203x203x254	6	119-0037

VWR® contamination control

Visit vwr.com to find more information on VWR® contamination control or download your copy of the brochure.

DOWNLOAD YOUR BROCHURE





VWR® isolation gowns

ISOLATION GOWNS

These disposable gowns, with back fastening, are made of non woven PP.

- Long sleeves, knitted cuffs
- Round neck
- Ties on neck and waist
- Latex-free

Weight: 30 g/m²

Closure type	Back fastening		
Gender	Unisex		
Garment application	Clinical, Laboratory, Medical		
Weight	30 g/m ²		

Colour	Length (cm)	Pk	Cat. No.
White	120	50	113-9048
Yellow	120	50	113-9049



VWR® Isolation gowns

ISOLATION GOWNS

These disposable gowns, with back fastening, are made of non woven, breathable SMS fabric. Ideal for use in healthcare environments and hospitals.

- Long sleeves, knitted cuffs
- Round neck
- Ties on neck and waist
- Latex-free

Weight: 45 or 60 g/m²

Closure type	Back fastening		
Gender	Unisex		
Garment application	Clinical, Medical		
Weight	45 g/m ²	60 g/m ²	

Colour	W×L	Pk	Cat. No.
45 g/m ²			
White	1150×1360	50	113-8315
Blue	1150×1360	50	113-8316
Green	1150×1360	50	113-8317
Red	1150×1360	50	113-8318
Pink	1150×1360	50	113-8319
Yellow	1150×1360	50	113-8320
60 g/m ²			
White	1150×1360	50	113-8321
Blue	1150×1360	50	113-8322
Green	1150×1360	50	113-8323
Red	1150×1360	50	113-8324
Pink	1150×1360	50	113-8325
Yellow	1150×1360	50	113-8326



VWR® Basic PE visitor coats

VISITOR COATS, PE, VWR® BASIC

Disposable visitor coat made of PE film.

- Hood and press stud closure
- Free from natural rubber latex

Thickness: 15 µm

One size fits all

50 pieces per bag, 10 bags per case.

Closure type	Press studs / snaps
Pockets	Without pockets
Gender	Unisex
Garment application	Laboratory, Industrial

Colour	Clothing size	Length (cm)	Pk	Cat. No.
White	One size	130	500	113-9092



VWR® Basic visitor coats with Velcro® closure

VISITOR COATS, VELCRO® CLOSURE, VWR® BASIC

These disposable coats, with collar, are made from non woven, spunbonded polypropylene (SPP) fabric, which protects against dirt, grime, and certain dry particulates, in non hazardous environments.

- VELCRO® closure
- Elastic wrists
- Free from natural rubber latex
- Available in white and blue

Weight: 30 g/m²

1 piece per bag, 50 bags per case.

Closure type	Hook-and-loop / VELCRO®
Pockets	Without pockets
Gender	Unisex
Garment application	Laboratory
Weight	30 g/m ²

Colour	Clothing size	Length (cm)	Pk	Cat. No.
White	XS	92	50	113-8955
White	S	96	50	113-8956
White	M	100	50	113-8957
White	L	104	50	113-8958
White	XL	108	50	113-8959
White	XXL	112	50	113-8960
White	3XL	116	50	113-8962
Blue	XS	92	50	113-8963
Blue	S	96	50	113-8964
Blue	M	100	50	113-8965
Blue	L	104	50	113-8966
Blue	XL	108	50	113-8967
Blue	XXL	112	50	113-8969
Blue	3XL	116	50	113-8971



VWR® Basic SPP visitor coats

VISITOR COATS, SPP, VWR® BASIC

These disposable visitor coats, with collar, are made from non woven, SPP fabric.

- Press stud closure
- Elastic wrists
- Free from natural rubber latex

Weight: 30 g/m²

1 piece per bag, 50 bags per case.

Closure type	Press studs / snaps
Pockets	Without pockets
Gender	Unisex
Garment application	Laboratory, General Purpose
Weight	30 g/m ²

Colour	Clothing size	Length (cm)	Pk	Cat. No.
White	XS	92	50	113-8933
White	S	96	50	113-8934
White	M	100	50	113-8937
White	L	104	50	113-8938
White	XL	108	50	113-8939
White	XXL	112	50	113-8941
White	3XL	116	50	113-8942
Blue	XS	92	50	113-8943
Blue	S	96	50	113-8944
Blue	M	100	50	113-8945
Blue	L	104	50	113-8946
Blue	XL	108	50	113-8947
Blue	XXL	112	50	113-8950
Blue	3XL	116	50	113-8952
Green	XL	108	50	113-8953



VWR® Basic SPP visitor coats with pockets

VISITOR COATS, SPP, WITH POCKETS, VWR® BASIC

These disposable visitor coats, with collar, are made from non woven, SPP fabric.

- Press stud closure
- Elastic wrists
- One breast pocket or one breast and one side pocket
- Free from natural rubber latex

Weight: 30 or 40 g/m²

1 piece per bag, 50 bags per case.

Model	With 1 pocket	With 2 pockets
Closure type	Press studs / snaps	
Pockets	With pockets	
Gender	Unisex	
Garment application	General Purpose, Laboratory	
Weight	30 g/m ²	40 g/m ²

Colour	Clothing size	Length	Pk	Cat. No.
With 1 pocket, 30 g/m²				
White	L	104	50	113-8972
White	XL	108	50	113-8973
White	XXL	112	50	113-8974
With 2 pockets, 40 g/m²				
White	L	104	50	113-8979
White	XL	108	50	113-8980
White	XXL	112	50	113-8982



ESD visitor coats

ESD VISITOR COATS, SPP, VWR® BASIC

Disposable coats, with collar, made from non woven, spunbonded polypropylene (SPP) fabric, which protects against dirt, grime, and certain dry particulates, in non hazardous environments.

- Press stud closure
- Elastic wrists
- Free from natural rubber latex
- Anti-static properties

Weight: 30 g/m²

1 piece per bag, 50 bags per case.

Closure type	Press studs / snaps
Pockets	Without pockets
Gender	Unisex
Garment application	Laboratory, Industrial
Weight	30 g/m ²

Colour	Clothing size	Length (cm)	Pk	Cat. No.
White	XXL	112	50	113-8954



VWR® Basic visitor coats with pockets

VISITOR COATS, PP, WATERPROOF

These disposable, waterproof visitor coats, with collar, are made from non woven, laminated PP fabric.

- Press stud closure
- Elastic wrists
- Two pockets (one breast pocket, one side pocket)
- Free from natural rubber latex

Weight: 48 g/m²

1 piece per bag, 50 bags per case.

Closure type	Press studs / snaps
Pockets	With pockets
Gender	Unisex
Garment application	General Purpose, Laboratory
Weight	48 g/m ²

Colour	Clothing size	Pk	Cat. No.
White	L	50	113-8983
White	XL	50	113-8984
White	XXL	50	113-8994



FROCKS, VWR® BASIC, SPP

VWR Basic SPP frocks are manufactured from a strong, lightweight and breathable, spunbonded polypropylene (SPP) fabric, which protects against dirt, grime, and certain dry particulates, in non hazardous environments.

- Snap collar, raglan sleeves and snap closure
- Elasticated cuffs, without pockets
- Lightweight and breathable first line barrier protection

This garment is ideal for less critical areas or pre-gowning entry rooms. It is tested and manufactured in an ISO certified facility that is lot controlled and validated through independent laboratory testing.

Closure type	Press studs / snaps
Pockets	Without pockets
Gender	Unisex
Garment application	Cleanroom, Laboratory
Weight	48 g/m ²

Colour	Clothing size	Pk	Cat. No.
White	M	30	113-1151
White	L	30	113-1152
White	XL	30	113-1153
White	XXL	30	113-1154
White	3XL	30	113-1155



VWR® Basic frocks

FROCKS, BASIC

These disposable frocks are manufactured from a strong, lightweight and breathable, spunbonded polypropylene (SPP) fabric, which protects against dirt, grime and certain dry particulates in non hazardous environments.

- Press stud fastening
- Elastic wrists
- Raglan sleeves
- Free from natural rubber latex

Weight: 40 g/m²

1 piece per bag, 50 bags per case.

Closure type	Press studs / snaps
Pockets	Without pockets
Gender	Unisex
Garment application	General Purpose, Laboratory
Weight	40 g/m ²

Colour	Clothing size	Length (cm)	Pk	Cat. No.
White	L	104	50	113-8995
White	XL	108	50	113-8996
Blue	L	104	50	113-8998
Blue	XL	108	50	113-8999



VWR® Basic frocks with zip closure

FROCKS, ZIP CLOSURE, VWR® BASIC

These disposable frocks are manufactured from a strong, lightweight and breathable, spunbonded polypropylene (SPP) fabric, which protects against dirt, grime and certain dry particulates in non hazardous environments.

- Zip closure
- Elastic wrists
- Raglan sleeves
- Free from natural rubber latex

Weight: 40 g/m²

1 piece per bag, 50 bags per case.

Closure type	Zip closure
Pockets	Without pockets
Gender	Unisex
Garment application	General Purpose, Laboratory
Weight	40 g/m ²

Colour	Clothing size	Length (cm)	Pk	Cat. No.
White	XL	108	50	113-9000
White	XXL	112	50	113-9001



FROCKS, VWR® BASIC, SMS

These SMS frocks are manufactured from a latex-free, multi-layer spunbonded - melt-blown - spunbonded (SMS) fabric, that offers high tensile strength while remaining soft, comfortable and breathable.

- Snap collar, raglan sleeves, snap closure
- Fluid and particulate barrier
- Light chemical splash resistance

Closure type	Press studs / snaps
Pockets	Without pockets
Gender	Unisex
Garment application	Cleanroom, Laboratory

Colour	Clothing size	Pk	Cat. No.
White	S	30	113-1156
White	M	30	113-1157
White	L	30	113-1158
White	XL	30	113-1159
White	XXL	30	113-1160
White	3XL	30	113-1161
Blue	M	30	113-1162
Blue	L	30	113-1174
Blue	XL	30	113-1175
Blue	XXL	30	113-1176
Blue	3XL	30	113-1166



FROCKS, WITH VELCRO®, VWR BASIC, SPP

VWR Basic SPP frocks are manufactured from a strong, lightweight and breathable, spunbonded polypropylene (SPP) fabric, which protects against dirt, grime and certain dry particulates in non hazardous environments.

- Snap collar, raglan sleeves, VELCRO® closure, knitted cuffs, no pockets
- Lightweight and breathable first line barrier protection

This garment is ideal for less critical areas or pre-gowning entry rooms. It is tested and manufactured in an ISO certified facility that is lot controlled and validated through independent laboratory testing.

Closure type	Hook-and-loop / VELCRO®
Pockets	Without pockets
Gender	Unisex
Garment application	Cleanroom, Laboratory
Weight	48 g/m ²

Colour	Clothing size	Pk	Cat. No.
White	S	30	113-1988
White	M	30	113-1989
White	L	30	113-1990
White	XL	30	113-1991
White	XXL	30	113-1992



FROCKS, VWR® MAXIMUM, SF

VWR Maximum SF frocks are the cleanest and most durable within the entire VWR clothing line. Made from spunbonded polypropylene fabric (SPP) and coated with breathable polyethylene film, these garments have been designed to optimise barrier protection, cleanliness and comfort properties.

- Snap collar, raglan sleeves, snap closure and elasticated cuffs
- Superior fluid and particulate barrier
- Lowest level of particle shedding: Level 1 Helmke drum classification
- Light chemical splash resistance
- Improved breathability to ensure user comfort
- Soft, cloth-like fabric with maximum tear strength

Tested and manufactured in an ISO certified facility under stringent process controls. Lot controlled and validated through independent laboratory testing.

Closure type	Press studs / snaps
Pockets	Without pockets
Gender	Unisex
Garment application	Cleanroom, Laboratory
Weight	63 g/m ²

Colour	Clothing size	Pk	Cat. No.
White	M	25	113-1167
White	L	25	113-1168
White	XL	25	113-1169
White	XXL	25	113-1170
White	3XL	25	113-1171
White	4XL	25	113-1172



FROCKS, VWR® ADVANCED, SF

VWR Advanced SF frocks are manufactured from spunbonded polypropylene fabric (SPP) and coated with breathable polyethylene film.

- Snap collar, raglan sleeves, snap closure and elasticated cuffs
- Durable fabric, with good breathability, and water transmission rate
- Significant fluid and particulate barrier
- Particle shedding: Level II Helmke drum classification
- Soft, cloth-like fabric

Tested and manufactured in an ISO certified facility under stringent process controls. Lot controlled and validated through independent laboratory testing.

Closure type	Press studs / snaps
Pockets	Without pockets
Garment application	Cleanroom, Laboratory

Colour	Clothing size	Pk	Cat. No.
White	S	25	113-1177
White	M	25	113-1178
White	L	25	113-1179
White	XL	25	113-1180
White	XXL	25	113-1181
White	3XL	25	113-1182
White	4XL	25	113-1183



LABORATORY COATS, SPP, DISPOSABLE, VWR®

This disposable coat is made of non woven, laminated, SPP fabric.

- Tailored collar
- Press stud closure and open cuffs
- Two pockets

Suitable for use in ISO Class 5 + 6 cleanroom environments.

Weight: 45/30 g/m²

Closure type	Buttons
Pockets	With pockets
Gender	Unisex
Garment application	Laboratory, General Purpose

Description	Colour	Clothing size	Pk	Cat. No.
SPP 45 g/m ²	White	M	50	113-8297
SPP 45 g/m ²	White	L	50	113-8298
SPP 45 g/m ²	White	XL	50	113-8299
SPP 45 g/m ²	White	XXL	50	113-8302
SPP 45 g/m ²	White	3XL	50	113-8303
SPP 45 g/m ²	White	4XL	50	113-8304



LAB COATS, VWR® ADVANCED, SF, DISPOSABLE

VWR Advanced SF lab coats are manufactured from spunbonded polypropylene fabric coated with breathable polyethylene film.

- Tapered collar, inset sleeves, snap closure, elasticated cuffs and three pockets
- Durable fabric with good breathability and water transmission rate
- Significant fluid and particle barrier
- Particle shedding: Level II Helmke drum classification
- Soft, cloth-like fabric

Tested and manufactured in an ISO certified facility under stringent process controls. Lot-controlled and validated through independent laboratory testing.

Closure type	Press studs / snaps
Pockets	With pockets
Gender	Unisex
Garment application	Cleanroom, Laboratory

Colour	Clothing size	Pk	Cat. No.
White	S	25	113-1145
White	M	25	113-1146
White	L	25	113-1147
White	XL	25	113-1148
White	XXL	25	113-1149
White	3XL	25	113-1150



CLEANROOM LAB COATS, VWR® MAXIMUM, SF

VWR® Maximum SF lab coats are the cleanest and most durable within the entire VWR® clothing line. Made from spunbonded polypropylene fabric (SPP) and coated with breathable polyethylene film, these garments have been designed to optimise barrier protection, cleanliness, and comfort properties.

- Tapered collar, inset sleeves, snap closure, elasticated cuffs and three pockets
- Superior fluid and particulate barrier
- Lowest level of particle shedding: Level I Helmke drum classification
- Light chemical splash resistance
- Improved breathability to ensure user comfort
- Soft, cloth-like fabric with maximum tear strength

Tested and manufactured in an ISO certified facility under stringent process controls. Lot controlled and validated through independent laboratory testing.

Closure type	Press studs / snaps
Pockets	With pockets
Garment application	Cleanroom, Laboratory

Colour	Clothing size	Pk	Cat. No.
White	S	25	113-1138
White	M	25	113-1139
White	L	25	113-1140
White	XL	25	113-1141
White	XXL	25	113-1142
White	3XL	25	113-1143
White	4XL	25	113-1144



Basic protection SMS lab coats

LAB COATS, BASIC, SMS, DISPOSABLE

SMS lab coats are manufactured from a latex-free, multi-layer spunbond-melt-blown-spunbond (SMS) fabric that offers high tensile strength, while remaining soft, comfortable and breathable.

- Tapered collar, inset sleeves and snap closure
- Knitted cuffs and three pockets
- Fluid and particulate barrier
- Light chemical splash resistance

Closure type	Press studs / snaps
Pockets	With pockets
Gender	Unisex
Garment application	Cleanroom, Laboratory

Colour	Clothing size	Pk	Cat. No.
White	S	30	113-1131
White	M	30	113-1132
White	L	30	113-1133
White	XL	30	113-1134
White	XXL	30	113-1135
White	3XL	30	113-1136
White	4XL	30	113-1137
Blue	S	30	113-1125
Blue	M	30	113-1126
Blue	L	30	113-1127
Blue	XL	30	113-1128
Blue	XXL	30	113-1129
Blue	3XL	30	113-1130



Hygiene masks, non woven PP

FACE MASKS, 2 PLY, NON WOVEN PP

This face mask, with nose bridge, is made from 2 ply, non woven PP.

- Latex-free
- Available with ear loops or ties
- For industrial and cleanroom use only; do not use for protection against COVID-19
- This product is not a medical device for medical or clinical use within the meaning of Regulation (EU) 2017/745 / Directive 93/42/EEC
- This product is not a personal protective equipment (PPE) within the meaning of Regulation (EU) 2016/425

Density: 20 g/m² (front layer); 25 g/m² (back layer).

Type	Colour	Pk	Cat. No.
With ear loops	White	50	113-0713
With ties	Green	50	113-0715



CLEANROOM FACE MASKS, MAXIMUM

Maximum cleanroom masks feature 3 ply construction for superior particle and bacterial filtration efficiency. These masks are latex-free.

- 3 ply masks provide high bacterial and particle filtration efficiency
- Highly breathable and fluid resistant
- A full length plastic arch holds the fabric away from the wearer's mouth to allow cooler, more comfortable breathing
- Malleable noseband ensures a custom, secure seal
- Available with spandex ear loops or PP ties, ultrasonically welded to maintain softness and guard against particulates
- Moisture resistant, sterile mask features a unique, lightweight inner layer of film for enhanced moisture resistance
- For industrial and cleanroom use only; do not use for protection against COVID-19
- This product is not a medical device for medical or clinical use within the meaning of Regulation (EU) 2017/745 / Directive 93/42/EEC
- This product is not a personal protective equipment (PPE) within the meaning of Regulation (EU) 2016/425

Particle shedding (particles: $\geq 0,5 \mu\text{m}/\text{cu. ft.}$): 196 (IEST-RP-CC003.3)

Bacterial filtration efficiency: >95% (ASTM F2101)

Particle filtration efficiency: >99% (ASTM F2299)

Delta P breathability ($\text{mm H}_2\text{O}/\text{cm}^2$): 1,9 to 2,2 (MIL-M-36954C)

Rigorously tested and manufactured in an ISO certified facility; products are validated through independent laboratory testing.

Non sterile masks are packed 50 masks per inner bag, 10 inner bags per case. Masks 113-6222 are packed 10 masks per pack, 5 packs per inner bag, 10 inner bags per case. Masks 113-9930/9931 are individually packed, 50 individual packs per box, 10 boxes per case.

Type	Size (mm)	Colour	Pk	Cat. No.
Non sterile, with ear loops, 50 mask/bag	175x95	Blue	500	113-6220
Non sterile, with ties, 50 mask/bag	175x95	White	500	113-6221
Sterile, with ear loops, 10 masks/pack	175x95	White	500	113-6222



Hygiene masks, non woven PP

FACE MASKS, 3 PLY, NON WOVEN PP

Face masks made from 3 ply, non woven PP featuring a nose bridge and ear loops or ties.

- Latex-free
- Bacterial filtration efficiency: 90%
- Particle filtration efficiency: 98,5%
- Particle size: 0,1 µm
- For industrial and cleanroom use only; do not use for protection against COVID-19
- This product is not a medical device for medical or clinical use within the meaning of Regulation (EU) 2017/745 / Directive 93/42/EEC
- This product is not a personal protective equipment (PPE) within the meaning of Regulation (EU) 2016/425

Density: 20 g/m² (front layer); 25 g/m² (back layer); 20 g/m² (centre).

Type	Colour	Pk	Cat. No.
With ear loops	Green	50	113-0714
With ear loops	Blue	50	113-0716
With earloops	White	1.000	113-8927
With ties	White	1.000	113-8928



CLEANROOM FACE MASKS, DUCK BILL

Cleanroom, duck bill face masks feature superior particle and bacterial filtration efficiency plus low particle shedding. These moisture resistant, cleanroom masks consist of three layers featuring a unique, lightweight inner layer of film for enhanced moisture resistance.

- Available as sterile or non sterile, with ear loops, ties or hood loops
- High bacterial and particle filtration efficiency
- Full length plastic arch, within the layers, holds the fabric away from the mouth to allow cooler, more comfortable breathing, without restricting downward vision
- Malleable (12 cm), steel noseband ensures a custom, secure seal
- Natural rubber latex-free, glass fibre and silicon-free
- For industrial and cleanroom use only; do not use for protection against COVID-19
- This product is not a medical device for medical or clinical use within the meaning of Regulation (EU) 2017/745 / Directive 93/42/EEC
- This product is not a personal protective equipment (PPE) within the meaning of Regulation (EU) 2016/425

Outer layer: 28 g/m² non woven PP

Filter media: 25 g/m² melt-blown PP

Inner layer: 25 g/m² non woven PP

ISO certified validated through independent laboratory testing.

20 masks per cleanroom compatible, heat-sealed bag, 10 bags per liner bag per case. Sterile masks are individually packed.

Type	Colour	Pk	Cat. No.
With hood loop, sterile	White	200	113-8681
With ear loop, sterile	White	200	113-8682
With ties, sterile	White	200	113-8683
With hood loop	White	200	113-8684
With ear loop	White	200	113-8685
With ties	White	200	113-8686

Equipment **Services**

Keep your laboratory in compliance
and in operation



Providing a carefree equipment lifecycle with Avantor Services

- Installation
- Preventive maintenance
- Warranty and repair
- Calibration
- Qualification, validation and certification (IQ/OQ/PQ)
- Equipment management
- Training

[VWR.COM/EIS](https://www.vwr.com/eis)

Setting science in motion to create a better world



AUSTRIA

VWR International GmbH
Graumannsgasse 7
1150 Wien
Tel.: +43 1 97 002 0
info.at@vwr.com

BELGIUM

VWR International bv
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: +32 (0) 16 385 011
vwr.be@vwr.com

CZECH REPUBLIC

VWR International s. r. o.
Veetee Business Park
Pražská 442
CZ - 281 67 Stříbrná Skalice
Tel.: +420 321 570 321
info.cz@vwr.com

DENMARK

VWR International A/S
Tobaksvejen 21
2860 Søborg
Tel.: +45 43 86 87 88
info.dk@vwr.com

FINLAND

VWR International Oy
Valimotie 17-19
00380 Helsinki
Tel.: +358 (0) 9 80 45 51
info.fi@vwr.com

FRANCE

VWR International S.A.S.
Immeuble Estréo
1-3 rue d'Aurion
93114 Rosny-sous-Bois cedex
Tel.: 0 825 02 30 30* (national)
Tel.: +33 (0) 1 45 14 85 00
(international)
info.fr@vwr.com
* 0,18 € TTC/min + prix appel

GERMANY

VWR International GmbH
Hilpertstraße 20a
D - 64295 Darmstadt
Tel.: 0800 702 00 07* (national)
Tel.: +49 (0) 6151 3972 0 (international)
info.de@vwr.com
*Freecall

HUNGARY

VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: +36 52 521130
info.hu@vwr.com

IRELAND

VWR International Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: +353 (0) 1 88 22 222
sales.ie@vwr.com

ITALY

VWR International S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: +39 02 3320311
info.it@vwr.com

THE NETHERLANDS

VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: +31 (0) 20 4808 400
info.nl@vwr.com

NORWAY

VWR International AS
Brynsalleen 4,
0667 Oslo
Tel.: +47 22 90 00 00
info.no@vwr.com

POLAND

VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: +48 58 32 38 200
info.pl@vwr.com

PORTUGAL

VWR International - Material de
Laboratório, Lda
Centro Empresarial de Alfragide
Rua da Indústria, nº 6
2610-088 Amadora
Tel.: +351 21 3600 770
info.pt@vwr.com

SPAIN

VWR International Eurolab S.L.U.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: +34 902 222 897
info.es@vwr.com

SWEDEN

VWR International AB
Fagerstagatan 18b
163 94 Stockholm
Tel.: +46 (0) 8 621 34 20
kundservice.se@vwr.com

SWITZERLAND

VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: +41 (0) 44 745 13 13
info.ch@vwr.com

UK

VWR International Ltd
Customer Service Centre
Hunter Boulevard - Magna Park
Lutterworth
Leicestershire
LE17 4XN
Tel.: +44 (0) 800 22 33 44
uksales@vwr.com

CHINA

VWR (Shanghai) Co., Ltd
Bld.No.1, No.3728 Jinke Rd,
Pudong New District
Shanghai, 201203- China
Tel.: 400 821 8006
info_china@vwr.com

INDIA

VWR Lab Products Private Limited
No.139, BDA Industrial Suburb,
6th Main, Tumkur Road, Peenya Post,
Bangalore, India - 560058
Tel.: +91 80 28078400
vwr_india@vwr.com

KOREA

Avantor Performance
Materials Korea Ltd
2F ACE Gwanggyo Tower I,
Daehak 4ro 17
Yeongtong-gu Suwon, Korea 16226
Tel.: +82 31 645 7256
saleskorea@avantorsciences.com

MIDDLE EAST & AFRICA

VWR International FZ-LLC
Office 203, DSP Lab Complex,
Dubai Science Park,
Dubai, United Arab Emirates
Tel.: +971 4 5573271
Info.mea@vwr.com

SINGAPORE

VWR Singapore Pte Ltd
18 Gul Drive
Singapore 629468
Tel.: +65 6505 0760
sales.sg@vwr.com

GO TO **VWR.COM** FOR THE LATEST NEWS, SPECIAL OFFERS AND DETAILS FROM YOUR LOCAL VWR SUPPORT TEAM