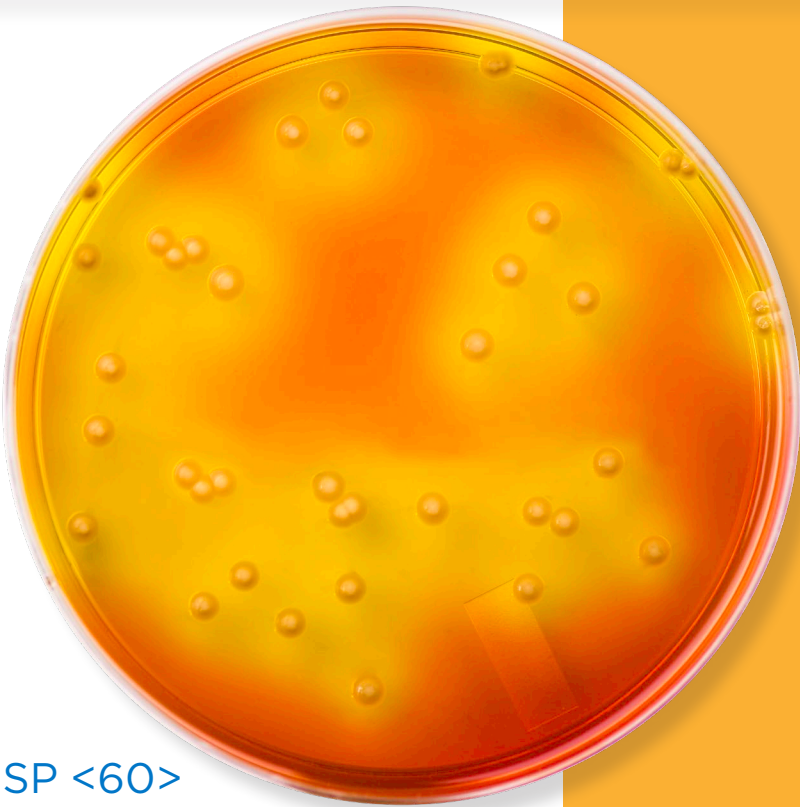


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VWR.COM

Microbial Examination of Non-sterile Products



USP <60>
USP <61>
USP <62>
USP <1115>

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USP <60> Tests for *Burkholderia cepacia* complex

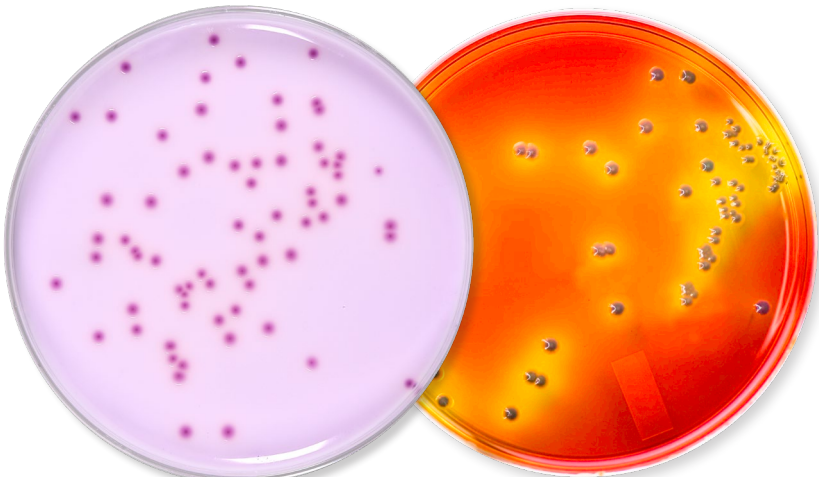
For the selective isolation and differentiation of *Burkholderia cepacia*.

Burkholderia cepacia Selective Agar (BCSA)

VWR Cat. No.	Container	Fill	Packaging
89423-720	Plate, 15x100mm	18mL	10/pk

HardyCHROM™ Burkholderia cepacia complex

76461-868	Plate, 15x100mm	18mL	10/pk
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Cat. no. 76461-868
HardyCHROM™ B.cepacia for
USP <60> Compliance
(pg. 1)

Cat. no. 89423-720
Burkholderia cepacia Selective Agar
for USP <60> Compliance
(pg. 1)

USP <60> <61>

Microbial Enumeration Tests

Tryptic Soy Broth (TSB)

VWR Cat. No.	Container	Fill	Packaging
89408-094	Bottle, 2 oz, Glass	50mL	24/bx
89408-086	Bottle, Glass	500mL	Each
10124-504	Bottle, Needle-Port Septum	300mL	10/bx
89408-089	Bottle, Needle-Port Septum	500mL	12/bx
89408-048	Bottle, Needle-Port Septum	100mL	20/bx
10053-676	Bottle, Needle-Port Septum	300mL	10/bx
89408-046	Bottle, Screw Cap	100mL	20/bx
10135-882	8 oz Wide Mouth Jar	100mL	12/bx
10135-878	8 oz Wide Mouth Jar	90mL	12/bx
89407-996	8 oz Wide Mouth Jar	90mL	12/bx
89408-044	8 oz Wide Mouth Jar	100mL	12/bx
89406-178	Dehydrated	500gm	Each

Tryptic Soy Agar (TSA)

89407-330	Plate, 15x100mm	18mL	10/pk
89408-002	Bottle, Glass	200mL	12/bx
89408-006	Bottle, Glass	400mL	12/bx
89408-008	Bottle, Polycarbonate	500mL	10/pk
89406-160	Dehydrated	500gm	Each

SabDex Agar

VWR Cat. No.	Container	Fill	Packaging
89407-894	Plate, 15x100mm	26mL	10/pk
89407-874	Bottle, Polycarbonate	500mL	10/bx
89407-900	Bottle, Polycarbonate	500mL	10/bx
89407-872	Bottle, Glass	400mL	12/bx
89407-902	Bottle, Glass	400mL	12/bx

SabDex Broth

89407-882	125mL polycarbonate bottle	100mL	16/pk
89406-402	Dehydrated	10kg	Each

USP <61> <62>

Recommended Buffer Solutions

VWR Cat. No.	Description	Container	Fill	Packaging
89407-428	Buffered Sodium Chloride-Peptone	Bottle, Polycarbonate	500mL	10/pk
10135-880	Buffered Sodium Chloride-Peptone	Bottle, Polycarbonate	90mL	12/bx
10124-486	Phosphate Buffer	Bottle, Polycarbonate	500mL	10/bx
76436-460	Phosphate Buffered Saline	Bottle, Polypropylene	100mL	12/bx

Test for Bile-Tolerant Gram Negative Bacteria

Test/Medium	Property	Test Strains*	VWR Cat. No.	Container	Fill	Packaging
EE Broth Mossel	Growth promoting	<i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i>	10135-884	8 oz Wide Mouth Jar	90mL	12/bx
			89406-762	Dehydrated	500gm	Each
			89406-764	Dehydrated	2kg	Each
	Inhibitory	<i>Staphylococcus aureus</i>	89406-766	Dehydrated	10kg	Each
Violet Red Bile Glucose (VRBG) Agar	Growth promoting + Indicative	<i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i>	89407-194	Plate, 15x100mm	18mL	10/pk
			89406-244	Dehydrated	500gm	Each
	Inhibitory	<i>Staphylococcus aureus</i>	89406-246	Dehydrated	2kg	Each
			89406-248	Dehydrated	10kg	Each

Test for *Staphylococcus aureus*

Test/Medium	Property	Test Strains*	VWR Cat. No.	Container	Fill	Packaging
Mannitol Salt Agar (MSA)	Growth promoting + Indicative	<i>Staphylococcus aureus</i>	89407-278	Plate, 15x100mm	18mL	10/pk
			89405-678	Dehydrated	500gm	Each
			89405-680	Dehydrated	2kg	Each
	Inhibitory	<i>Escherichia coli</i>	89405-682	Dehydrated	10kg	Each

Test for *Escherichia coli*

Test/Medium	Property	Test Strains*	VWR Cat. No.	Container	Fill	Packaging
MacConkey Broth	Growth promoting	<i>Escherichia coli</i>	10135-862	8 oz Wide Mouth Jar	100mL	12/bx
			89405-638	Dehydrated	500gm	Each
MacConkey Agar	Growth promoting + Indicative	<i>Escherichia coli</i>	89407-268	Plate, 15x100mm	18mL	10/pk
			89407-270	Plate, 15x100mm	18mL	100/bx
	Inhibitory	<i>Staphylococcus aureus</i>	89405-630	Dehydrated	500gm	Each
			89405-632	Dehydrated	2kg	Each
			89405-634	Dehydrated	10kg	Each

Test for *Salmonella*

Test/Medium	Property	Test Strains*	VWR Cat. No.	Container	Fill	Packaging
Rappaport Vassiliadis Salmonella Enrichment Broth	Growth promoting	<i>Salmonella enterica</i> serotype Typhimurium	89407-854	Tube	10mL	20/bx
			89405-960	Dehydrated	500gm	Each
	Inhibitory	<i>Staphylococcus aureus</i>	89405-962	Dehydrated	2kg	Each
			89405-964	Dehydrated	10kg	Each
Xylose-Lysine-Deoxycholate (XLD) Agar	Growth promoting + Indicative	<i>Salmonella enterica</i> serotype Typhimurium	89407-340	Plate, 15x100mm	18mL	10/pk
			89406-276	Dehydrated	500gm	Each
	Indicative	<i>Escherichia coli</i>	89406-278	Dehydrated	2kg	Each

Test for *Clostridia*

Test/Medium	Property	Test Strains*	VWR Cat. No.	Container	Fill	Packaging
Reinforced Medium for Clostridia	Growth promoting	<i>Clostridium sporogenes</i>	76210-514	Polycarbonate Bottle, Needle-Port Septum	100mL	16/bx
			89406-770	Dehydrated	500gm	Each
	Inhibitory	<i>Clostridium sporogenes</i>	89406-772	Dehydrated	2kg	Each
			89406-782	Dehydrated	10kg	Each
Columbia Agar	Growth promoting	<i>Clostridium sporogenes</i>	89407-240	Plate, 15x100mm	18mL	10/pk
			89405-300	Dehydrated	500gm	Each
	Inhibitory	<i>Clostridium sporogenes</i>	89405-302	Dehydrated	2kg	Each
			89405-304	Dehydrated	10kg	Each

Test for *Candida albicans*

Test/Medium	Property	Test Strains*	VWR Cat. No.	Container	Fill	Packaging
Sabouraud Dextrose (SabDex) Broth	Growth promoting	<i>Candida albicans</i> <i>Aspergillus brasiliensis</i>	89407-882	Polycarbonate Bottle, Needle-Port Septum	100mL	16/bx
			89406-398	Dehydrated	500gm	Each
	Inhibitory	<i>Candida albicans</i> <i>Aspergillus brasiliensis</i>	89406-400	Dehydrated	2kg	Each
			89406-402	Dehydrated	10kg	Each
Sabouraud Dextrose (SabDex) Agar	Growth promoting + Indicative	<i>Candida albicans</i> <i>Aspergillus brasiliensis</i>	89407-894	Plate, 15x100mm	26mL	10/pk
			89407-866	Polypropylene Bottle	200mL	10/pk
			89407-868	16 oz Boston Round	200mL	12/bx
			89407-872	Polypropylene Bottle	400mL	12/bx
	Inhibitory	<i>Candida albicans</i> <i>Aspergillus brasiliensis</i>	89406-000	Dehydrated	500gm	Each
			89406-002	Dehydrated	2kg	Each
89406-004	Dehydrated	10kg	Each			
Potato Dextrose	Growth promoting	<i>Candida albicans</i> <i>Aspergillus brasiliensis</i>	89407-826	Plate, 15x100mm	26mL	10/pk
			89407-838	Bottle, Glass	200mL	12/bx
	Inhibitory	<i>Candida albicans</i> <i>Aspergillus brasiliensis</i>	10033-086	Dehydrated	500gm	Each
			89405-900	Dehydrated	2kg	Each
89405-902	Dehydrated	10kg	Each			

Test for *Pseudomonas aeruginosa*

Test/Medium	Property	Test Strains*	VWR Cat. No.	Container	Fill	Packaging
Cetrimide Select Agar	Growth promoting	<i>Pseudomonas aeruginosa</i>	89407-198	Plate, 15x100mm	26mL	10/pk
			89405-276	Dehydrated	500gm	Each
	Inhibitory	<i>Escherichia coli</i>	89405-278	Dehydrated	2kg	Each
			89405-280	Dehydrated	10kg	Each



Contact Plates for Surface Sampling

Improved design with friction-fit lid and locking mechanism



1. Remove lid from plate.



2. Gently press plate to surface without twisting or sliding.



3. Twist clockwise until frosted bands line up and lid locks into place. Incubate at 30 °C - 35 °C. After 48 - 72 hours, count the number of colonies. Record your results.



4. Friction Lid design keeps lid in place. Locking feature assures lids stay secured.

Non-Irradiated Contact Plates

Tryptic Soy Agar with Lecithin and Tween® 80

For the cultivation and enumeration of microorganisms.

10/pk..... 89408-026

Sabouraud Dextrose Agar

For the cultivation of fungi.

10/pk.....89407-878

Malt Extract Agar with Lecithin and Tween®

For the cultivation of fungi.

10/pk.....89407-708

Irradiated Contact Plates

Tryptic Soy Agar with Lecithin and Tween® 80, USP

For the cultivation and enumeration of microorganisms.

Irradiated, triple bagged, 10/pk.....76200-280

Red tinted plate, triple bagged, 10/pk.....76200-282

Sabouraud Dextrose Agar with Lecithin and Tween® 80, USP

For the cultivation of fungi.

Irradiated, triple bagged, 10/pk.....76200-284



PRE-MOISTENED, READY-TO-USE

Ready to use swab and tube pre-filled with 5mls of transport broth. Simply remove the cap, which is attached to the Dacron® swab. Collect your sample by swabbing the surface, recap, and send to the lab. This kit is excellent for collection and enumeration of microorganisms from environmental surfaces and hard to reach areas.

Neutralizing Buffer 5ml, 20/box **89407-766**

D/E Neutralizing Broth 5ml, 20/box **89407-470**





Per USP <1115>: “...During nonsterile product manufacturing, the air sampling methods used for environmental monitoring are active or passive...monitoring programs should be risk based, and the frequency and number of sampling sites should reflect the risk level.”

Active Microbial Air Sampling with TRIO.BAS

- Instruments hold standard culture media (*see page 14*)
- Ergonomic and simple to use
- Delayed interval sampling
- Sample up to 100,000 liters of air on a full battery charge
- IP65 rated protection from dust and water.



*AIRBIO DUO Shown with
Daily Shift Heads (pg.11)

MINI induction



Ideal for use in less critical environments



Each kit includes:

- TRIO.BAS MINI Bluetooth air sampler
- Battery charger and cable
- Aspirating head
- Cover head
- LIGHT carrying case
- Calibration certificate

Features:

- Aspirating head with quick bayonet closure system for easy manipulation
- Light weight: Significantly lighter than industry counterparts
- Rechargeable via external port using standard wall charger
- Note: Sampling data must be manually recorded with the MINI

Cat. no.

MINI Kit, 100 liters/min., contact plate

76076-694

MINI Kit, 100 liters/min., Petri plate

76169-638

MINI Kit, 200 liters/min., contact plate

76076-696

MINI Kit, 200 liters/min., Petri plate

76169-640



MONO induction



Each kit includes:

- TRIO.BAS MONO air sampler
- Induction battery charger and cable
- Aspirating head
- Cover head
- ROBUSTUS carrying case
- Calibration certificate
- IQ, OQ, PQ fillable document

Features:

- Delayed, interval sampling and remote start capabilities
- Bluetooth data transfer capability (requires an additional purchase, see page 13.)
- Programmable place and personnel ID options
- No plugs or external connections

Cat. no.

MONO Kit, 100 liters/min., contact plate

76076-704

MONO Kit, 100 liters/min., Petri plate

76169-642

MONO Kit, 200 liters/min., contact plate

76076-706

MONO Kit, 200 liters/min., Petri plate

76169-644

AIRBIO ONE cable



Picture shows the instrument with optional Daily Shift Heads in use.

Each kit includes:

- AIRBIO ONE Instrument
- Stainless steel aspirating heads
- Stainless steel head cover
- Charging and Data transfer cables
- Robustus carrying case
- Calibration certificate
- IQ OQ PQ fillable documents

Features:

- Delayed, interval sampling and remote start capabilities
- Bluetooth data transfer capability (requires an additional purchase, see page 13.)
- Programmable place and personnel ID options
- Charges via cable: Sample up to 70,000 liters on a single battery charge

Cat. no.

AIRBIO ONE cable, 100 liters/min., contact plate

BAS445K

AIRBIO ONE cable, 100 liters/min., Petri plate

BAS446K

AIRBIO ONE cable, 200 liters/min., contact plate

BAS447K

AIRBIO ONE cable, 200 liters/min., Petri plate

BAS448K



AIRBIO DUO cable



**Work surface stability
with two aspirating heads.
Save sampling time by
doubling the aspirated
volume of air!**



Picture shows the instrument with optional Daily Shift Heads in use.

Each kit includes:

- Instrument
- Two stainless steel aspirating heads
- Two stainless steel head covers
- Charging and Data transfer cables
- Robustus carrying case
- Calibration certificate
- IQ OQ PQ fillable documents

Features:

- Use separate culture media at the same time to determine bacterial and fungal counts
- Programmable place and personnel ID options
- Bluetooth data transfer capability (requires an additional purchase, see page 13.)
- Charges via cable: Sample up to 70,000 liters on a single battery charge

	VWR Cat. no.
AIRBIO DUO cable, 100 liters/min., contact plate	76377-536
AIRBIO DUO cable, 100 liters/min., Petri plate	76377-538
AIRBIO DUO cable, 200 liters/min., contact plate	76377-540
AIRBIO DUO cable, 200 liters/min., Petri plate	76377-542

DUO induction



Achieve faster sampling times and better statistical results with the DUO!



Each kit includes:

- TRIO.BAS DUO air sampler
- Induction battery charger and cable
- Aspirating heads
- Cover heads
- ROBUSTUS carrying case
- Calibration certificate
- IQ, OQ, PQ fillable document

Features:

- Two aspirating heads for sampling on separate plates to determine bacterial and yeast/mold counts
- Programmable for simultaneous or interval aspirating times
- Delayed, interval sampling and remote start capabilities
- Bluetooth data transfer capability (requires an additional purchase, see page 13.)
- Programmable place and personnel ID options
- No plugs or external connections

VWR Cat. No.

DUO Kit, 100 liters/min., contact plate 76076-708

DUO Kit, 100 liters/min., Petri plate 76169-646

DUO Kit, 200 liters/min., contact plate 76076-710

DUO Kit, 200 liters/min., Petri plate 76169-648



DAILY SHIFT HEADS

Individually packaged, sterile by irradiation, and includes a certificate of sterility assurance.

For use in place of stainless steel Aspirating Heads:
Technopolymer aspirating heads ready for immediate use.



Benefits of Daily Shift Heads:

- DAILY SHIFT heads offer convenience and time savings during periods of unusually heavy workloads
- DAILY SHIFT heads offer peace of mind in case of autoclave breakage or unavailability
- DAILY SHIFT heads can be used on the same day, on the same shift, inside the same cleanroom
- Semi-transparent to confirm agar plate has been properly inserted
- Six year shelf life from date of sterilization

VWR Cat. No.

DAILY SHIFT HEAD, contact plate, 27/bx

75804-756

DAILY SHIFT HEAD, Petri plate, 27/bx

75804-758

DATA TRANSFER

DATA INTEGRITY VERIFIED

For TRIO.BAS instruments with Bluetooth or cable Data Transfer Capability, choose the preferred data download method. A separate purchase is required.

Tablet Device*

(for data transfer)
Portable tablet for remote control of instrument(s), data download storage and transfer capabilities.

*Requires CD software BAS296

Each 76169-672



CD Software*

Enables data transfer capability from instrument or smart phone/tablet to PC by Bluetooth.

*For Bluetooth capable Windows systems

Each 76446-766



Bluetooth Printer

Small footprint. Pair with instrument for immediate printout of sampling data, or choose to store data and print out sampling history at a later date.

Bluetooth printer, 11 x 8 x 5 75994-470

Paper rolls (57mm, 10/bx) 75804-704



Bluetooth Key*

For transferring sampling data to a PC that does not include built-in Bluetooth feature.

*Requires CD software BAS296

Each 75804-702



Prepared Culture Media for passive and active air monitoring

Use as settling plates or with TRIO.BAS™ instruments

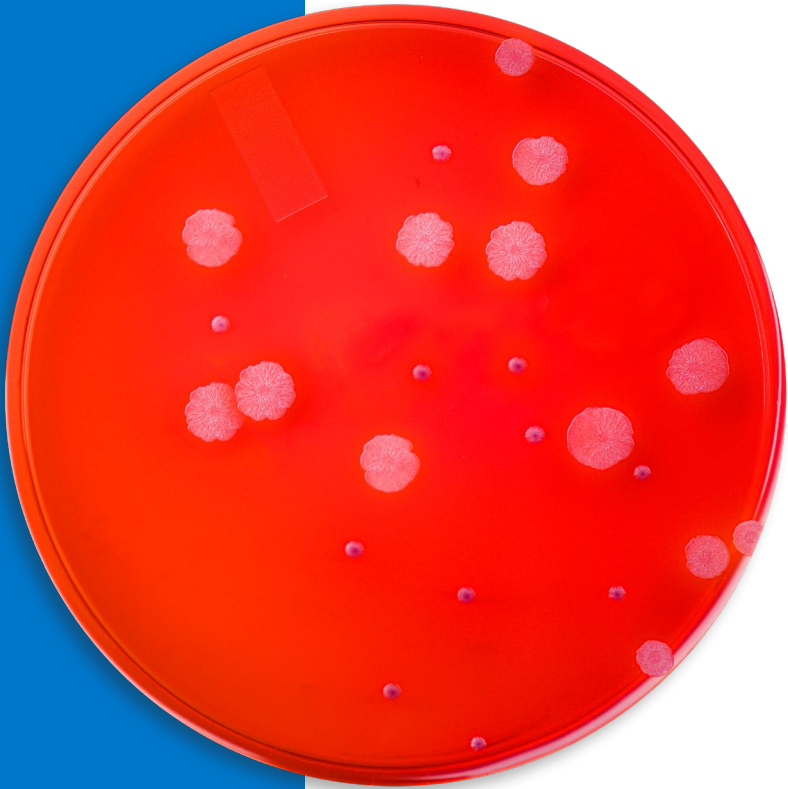
Petri Plates

Product	Specifications	VWR Cat. No.
Malt Extract Agar	15x100mm plate, 10/pk	89407-712
TSA (Tryptic Soy Agar), SterEM™, USP	Irradiated, 15x100mm plate, triple bagged, 10/pk	76200-294
TSA (Tryptic Soy Agar), USP	15x100mm plate, 26ml fill, 10/pk	89408-004
SabDex (Sabouraud Dextrose) Agar, SterEM™, USP	Irradiated, 15x100mm plate, triple bagged, 10/pk	76200-288
SabDex (Sabouraud Dextrose) Agar	15x100mm plate, 10/pk	89407-894

Contact Plates

Product	Specifications	VWR Cat. No.
TSA (Tryptic Soy Agar)	15x65mm contact plate Lok-Tight™ friction lid, 10/pk	89408-026
SabDex (Sabouraud Dextrose) Agar	15x65mm contact plate Lok-Tight™ friction lid, 10/pk	89407-878
Malt Extract Agar	15x65mm contact plate Lok-Tight™ friction lid, 10/pk	89407-708
TSA with Lecithin and Tween® 80 USP	Irradiated, 15x65mm contact plate Lok-Tight™ friction lid, 10/pk	76200-280
SabDex Agar with Lecithin & Tween® 80, US	Irradiated, 15x65mm contact plate Lok-Tight™ friction lid, 10/pk	76200-284





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