

ProCulture[®] Cell Culture Made Easier



Providing Tools for Cell Culture – Every Step of the Way



ProCulture® Spinner Flasks

Applicable to All Spinner Flasks

- Impeller eliminates dead spots and extends above media surface to increase aeration
- Sidearm openings large enough for 50 mL pipettes
- Flask base has central bump to prevent material from accumulating at bottom center
- Complete assembly



VWR CAT. NO.	CAPACITY	CENTER NECK SIZE	SIDE ARM THREAD
76335-212	125ml	70mm	GL32
76335-214	250ml	70mm	GL32
76335-216	500ml	100mm	GL45
76335-218	1 L	100mm	GL45
76335-220	3 L	100mm	GL45
76335-222	6 L	100mm	GL45
76335-224	8 L	100mm	GL45
76335-226	15 L	100mm	GL45
76335-228	36 L	100mm	GL45

ProCulture® Wide-Mouth Spinner Flasks

- Provides easy component access, assembly, cleaning, and sterilization



VWR CAT. NO.	CAPACITY	CENTER NECK SIZE	SIDE ARM THREAD
76335-230	3 L	120mm	GL45
76335-232	6 L	120mm	GL45
76335-234	8 L	120mm	GL45
76335-236	15 L	120mm	GL45
76335-238	36 L	120mm	GL45

ProCulture® Spinner Flasks with Shur-Loc® Caps

- Ideal for cultures that require a controlled environment
- Center neck cap has unique compression O-ring that provides visible seal



VWR CAT. NO.	CAPACITY	CENTER NECK SIZE	SIDE ARM THREAD
76335-240	3 L	140mm	GL45
76335-242	6 L	140mm	GL45
76335-244	8 L	140mm	GL45
76335-246	15 L	140mm	GL45
76335-248	36 L	140mm	GL45



ProCulture® Delong Shaker Flasks (A)

- Long neck reduces risk of splashing that could reach the closure
- Designed for polypropylene and stainless steel closures
- No baffle option available for applications requiring less oxygenation



VWR CAT. NO.	CAPACITY	O.D.	HEIGHT	NECK O.D.	BAFFLE STYLE
76323-590	50ml	50mm	105mm	18mm	No Baffles
76323-592	125ml	66mm	122mm	25mm	No Baffles
76323-662	250ml	81mm	138mm	38mm	No Baffles
76323-664	500ml	101mm	181mm	38mm	No Baffles
76323-666	1000ml	129mm	285mm	38mm	No Baffles
76323-668	2000ml	160mm	285mm	38mm	No Baffles
76323-674	125ml	66mm	122mm	25mm	Side Baffles
76323-676	250ml	81mm	138mm	38mm	Side Baffles
76323-678	500ml	101mm	181mm	38mm	Side Baffles
76323-680	1000ml	129mm	285mm	38mm	Side Baffles
76323-682	2000ml	160mm	285mm	38mm	Side Baffles
76323-684	4000ml	206mm	305mm	38mm	Side Baffles
76323-686	125ml	66mm	122mm	25mm	Deep Side Baffles
76323-688	250ml	81mm	138mm	38mm	Deep Side Baffles
76323-690	500ml	101mm	181mm	38mm	Deep Side Baffles
76323-692	1000ml	129mm	285mm	38mm	Deep Side Baffles
76323-694	2000ml	160mm	285mm	38mm	Deep Side Baffles
76323-696	4000ml	206mm	305mm	38mm	Deep Side Baffles

ProCulture® Beaded Rim Shaker Flasks (B)

- Beaded neck rim ensures greater resistance to chipping
- Ideal for growing and mixing of cell cultures
- Durable white ceramic enamel markings



VWR CAT. NO.	CAPACITY	O.D.	HEIGHT	STOPPER SIZE	NECK O.D.	BAFFLE STYLE
76323-698	125ml	66mm	122mm	#5	25mm	Side Baffles
76323-700	250ml	81mm	138mm	#6	38mm	Side Baffles
76323-702	500ml	101mm	181mm	#7	38mm	Side Baffles
76323-704	1000ml	129mm	285mm	#8.5	38mm	Side Baffles

ProCulture® Fernbach Shaker Flasks (C)

- Ideal for cultures that require large surface area to volume ratio for optimum gas transfer
- Available with beaded rim, GL45 screw thread, or Delong style neck for various style stoppers and plugs
- Commonly used in serum production



VWR CAT. NO.	CAPACITY	O.D.	HEIGHT	NECK SIZE	STOPPER SIZE	BAFFLE STYLE
76323-670	2800ml	200mm	230mm	Beaded Rim	#13	No Baffles
76323-672	2800ml	200mm	230mm	Beaded Rim	#13	Side Baffles
76323-586	2800ml	200mm	230mm	GL45 threaded	GL45*	Side Baffles
76323-588	2800ml	200mm	260mm	Delong	—	Bottom Center Baffles

*GL45 cap included



ProCulture® Micro-Tube Homogenizer System

Effectively Homogenize
Precipitates, Cells and Tissues

- Simple push in/pull out pestle holder
- Pestles and tubes assure tight tolerances and thorough homogenization for optimal efficiency of pellet reconstitution or re-suspension
- Pestle and tubes are certified DNase, RNase, and Pyrogen-free with lot control and material traceability



VWR CAT. NO.	DESCRIPTION	QUANTITY/PACK
HOMOGENIZER- INCLUDES CORDLESS MOTOR, 2 AA BATTERIES AND PESTLE ADAPTER		
89524-800	Cordless Homogenizer Unit	1
INDIVIDUALLY PACKED (PACK OF 100)		
89524-802	0.5ml Pestle	100
89524-806	0.5ml Tube	100
89524-810	0.5ml Pestle and Tube	100
89524-804	1.5ml Pestle	100
89524-808	1.5ml Tube	100
89524-812	1.5ml Pestle and Tube	100
BULK PACKED (PACK OF 100)		
89524-814	0.5ml Pestle	100
89524-822	0.5ml Pestle and Tube	100
89524-816	1.5ml Pestle	100
89524-820	1.5ml Tube	100
89524-824	1.5ml Pestle and Tube	100

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ProCulture® Extended Handle Pestle

Resuspend Cell Pellets for Small Scale Testing Applications

- Cone tip tapers from 8.2mm (0.33") down to 2.9mm (0.12") in length of 19.8mm (0.78") and has a rounded end
- Shaft diameter: 4.7mm (3/16")



VWR CAT. NO.	OVERALL LENGTH	QUANTITY/PACK
13197-176	21cm (8¼")	6

ProCulture® Cell Lifter

Remove Cell Pellets with Ease

- Narrow blade ideal for use in 35 and 60mm Petri dishes, and 6 and 12 well cell culture clusters
- Angled and chiseled blade with smooth handle molded from polypropylene for good chemical resistance and easy cleaning



VWR CAT. NO.	DIMENSIONS (L X W)	QUANTITY/PACK
89030-910	21.0 x 1.6cm (8¼ x 5/8")	10

ProCulture® Foil Cover-Alls

Stop Wasting Time and Money on Rolls of Aluminum Foil

- Used in cell culture to cover flasks while allowing proper aeration
- Provides a temporary, sterile boundary for autoclave sterilization of labware
- Preformed to quickly cover a wide variety of labware using only one hand



VWR CAT. NO.	DIAMETER AT BASE	HEIGHT	FLAT DIAMETER	QUANTITY/PACK
89087-684	1.5" base	1.00" wall ht.	3.5" diameter	252
89087-686	2.0" base	1.25" wall ht.	4.5" diameter	256
89087-688	2.0" base	1.75" wall ht.	5.5" diameter	252



ProCulture® Orbital Shaker Platform

Double Duty for Your Magnetic Stirrer

- Turns standard magnetic stirrer into orbital shaking platform
- Rotating orbit diameter of 21.7mm (7/8")
- Shaker adjustment controlled by setting magnetic stirrer to desired speed

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VWR CAT. NO.	DIMENSIONS (L X W X H)	QUANTITY/PACK
490012-182	22.5 x 22.5 x 5.3cm (8 7/8 x 8 7/8 x 2 1/16")	1

ProCulture® Incu-Shaker Tube Holder

Useful Accessory for Benchtop or Floor Model Shaking Incubators

- Positions tubes at an angle permitting greater aeration
- Securely holds combination of up to 48 tubes
- Easily secures to platform of shaker with included screws



VWR CAT. NO.	DESCRIPTION	QUANTITY/PACK
47742-772	Holds (18) 1.5 or 2ml, (12) 5ml, (12) 15ml, and (6) 50ml Tubes	1

ProCulture® 37°C Warming Plate

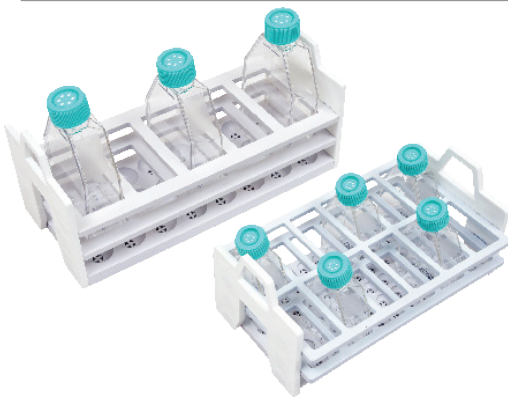
Maintain the Perfect Cell Temperature Outside the Incubator

- 37°C plate protects cell viability; keep dishes outside the incubator longer
- Reduces cell stress and allows enzymes like trypsin to work efficiently
- Can be used to maintain warmth of reagents inside the hood



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VWR CAT. NO.	VOLTAGE	DIMENSIONS	QUANTITY/PACK
30621-302	120V	24.9 x 25.4 x 5.7cm (9 3/4 x 10 x 2 1/4")	1
10126-432	220V, CE Marked	24.9 x 25.4 x 5.7cm (9 3/4 x 10 x 2 1/4")	1



ProCulture® Tissue Culture Flask Racks

Prevent Tipping Flasks

- Rectangular holes in top and center plates stabilize flasks to prevent tipping
- Handles on each end of the rack allow for safe transport of flasks to the incubator



VWR CAT. NO.	FLASK SIZE	PLACES	DIMENSIONS (L X W X H)	QUANTITY/PACK
47751-012	75ml	12	23 x 13.7 x 10.7cm (9.1 x 5.4 x 4.2")	1
47751-014	260ml	5	29.7 x 12.5 x 13.2cm (11.7 x 4.9 x 5")	1

ProCulture® Stak-A-Tray System

Maximize Incubator Space

- Stack up to five racks for multiple levels of storage
- Perforated trays allow air flow and slide easily in rack
- Each tier accommodates one large or two small trays
- Racks and trays sold separately



VWR CAT. NO.	DESCRIPTION	QUANTITY/PACK
54848-312	Rack frame with two center supports (for larger culture flasks), two levels per rack, 5cm (1.96") clearance between trays	1
54848-314	Rack frame with four center supports (for Petri dishes and small culture flasks), four levels per rack, 2.4cm (0.96") clearance between trays	1
54848-318	Small tray, 17.8 x 35.6cm (7 x 14")	1
54848-316	Large tray, 35.6 x 35.6cm (14 x 14")	1



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ProCulture® -1°C Freeze Controller

Prevent Lethal Intracellular Freezing

- Provides "controlled rate" freezing samples at approximately -1°C per minute
- 18 well, removable polyethylene vial holder placed inside container separates vials from isopropyl alcohol
- Plastic foam insert surrounds the vial holder for insulation



VWR CAT. NO.	TUBE SIZE	PLACES	CONTAINER I.D.	CLOSURE O.D.	QUANTITY/PACK
47751-756	1.0 or 1.8ml	18	11.2 Dia. x 7.2cmH (4.4 x 2.8")	12.4cm (4.9")	1

ProCulture® Cryogenic Vial Storage Boxes

Ideal for Storage at Liquid Nitrogen Temperatures

- Can be used in temperatures from -196°C to +121°C
- Clear lids can be written on with permanent markers and have a printed grid for easy inventory
- Keyed corner aligns lid with identifying numbers on rack



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VWR CAT. NO.	VIAL SIZE	PLACES	DIMENSIONS (L X W X H)	PATTERN	QUANTITY/PACK
47751-738	1.2 - 2.0ml	25	7.6 x 7.6 x 5.1cm (3 x 3 x 2")	5 x 5	8
47751-740	1.2 - 2.0ml	81	13.3 x 13.3 x 5.1cm (5¼ x 5¼ x 2")	9 x 9	4
47751-742	5.0ml	81	13.3 x 13.3 x 9.5cm (5¼ x 5¼ x 3¾")	9 x 9	4

47751-740 can be used with Cryo Tower Storage Systems (74950-132 and 74950-134) to save valuable freezer space.

ProCulture® Mini Cryocooler (-15°C)

Keep Cell Stocks Cold Outside the Freezer

- Clear polycarbonate lid shows positions of tubes; keyed to correspond with positions printed on cooler
- Keeps microcentrifuge tubes or cryogenic vials at a temperature below -15°C for approximately 1 hour
- Use included insert to hold 0.5ml microcentrifuge tubes



VWR CAT. NO.	VIAL SIZE	PLACES	DIMENSIONS (L X W X H)	WEIGHT	QUANTITY/PACK
47751-730	0.5, 1.5 or 2.0ml	12	14.5 x 10.0 x 9.5cm (5¾ x 4 x 3¾")	0.7kg (1.5lb)	1

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ProCulture® 60mm Petri Dish Rack

Portable Rack Holds up to 54 Dishes

- Large center divider has space for labeling; includes carrying handle that does not interfere with samples
- Up to four racks can be stacked together and interlocked to prevent accidental knock over
- Finger access slots in base allow a stack of dishes to be safely removed from rack with a secure grip



VWR CAT. NO.	PLACES	DIMENSIONS (L X W X H)	QUANTITY/PACK
89106-748	54	26.7 x 17.1 x 17.1cm (10½ x 6¾ x 6¾")	1

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ProCulture® Cryotube Floating Bubble Rack

Incubate Cryotubes in 37°C Water Baths or Beakers

- Excellent for holding cryotubes during work or incubation
- Can be used for quickly thawing frozen cells in 37°C water bath
- Easily remove tubes by holding center handle and pushing rack down against bench until legs touch



VWR CAT. NO.	PLACES	DIAMETER	QUANTITY/PACK
56617-509	20	95mm (3¾")	1

ProCulture® Round Microcentrifuge Floating Bubble Rack

Incubate 8 to 20 Microtubes in 37°C Water Baths or Beakers

- Can be used for quick thawing
- Easily remove tubes by pressing rack down on bench
- Has tiny bubbles throughout for additional buoyancy



VWR CAT. NO.	TUBE SIZE	PLACES	HOLE DIAMETER	FITS BEAKER SIZE	O.D.	QUANTITY/PACK
60986-340	1.5ml	8	10.8mm (7/16")	400ml	66mm (2½")	1
60986-342	1.5ml	20	10.8mm (7/16")	1000ml	95mm (3¾")	1
60986-358	0.5ml	20	7.7mm (5/16")	1000ml	95mm (3¾")	1

ANCILLARY PRODUCTS



LABELING

Product Name	Catalog Number
Captor Pen Holder*	47751-018
Cryogenic Storage Labels; Sheets 33 x 13mm for 1.5-2ml Tubes, White	75798-814
Cryogenic Storage Labels; Sheets 67 x 25mm for Racks/Boxes, White	75796-946
Cryogenic Storage Labels; Sheets 9.5mm Dots for 0.5-1.5ml Tubes, White	75796-948
Cryogenic Storage Labels; Sheets 13mm Dots for 1.5-2ml Tubes, White	75798-812
Cryogenic Storage Labels; Sheets 33 x 13mm for 1.5-2ml Tubes, Assorted	75796-944
Cryogenic Storage Labels; Roll of 9.5mm Dots for 0.5-1.5ml Tubes, White	75796-956
Cryogenic Storage Labels; Roll of 9.5mm Dots for 0.5-1.5ml Tubes, Assorted	75796-958
Cryogenic Storage Labels; Roll of 13mm Dots for 1.5-2ml Tubes, White	75796-950
Cryogenic Storage Labels; Roll of 13mm Dots for 1.5-2ml Tubes, Assorted	75796-952
Cryogenic Storage Labels; Roll of 33 x 13mm for 1.5-2ml Tubes, White	75796-954



SAMPLE HANDLING

Product Name	Catalog Number
Flowmi™ 40µm Cell Strainers for 1000µl Pipette Tips*	10032-802
Flowmi™ 70µm Cell Strainers for 1000µl Pipette Tips*	10204-924
Sterileware® Sterile Sampling Scoops; 60ml, White*	56924-503
Sterileware® Sterile Sampling Scoops; 125ml, White*	56924-536
Sterileware® Sterile Sampling Scoops; 250ml, White*	56924-569
Quaverette® Micro-blade Vibrating Spatula; Stainless Steel*	13197-374
Bacterial Cell Spreader; Small	53800-010
Bacterial Cell Spreader; Large	53800-008
Sterileware® Double-Ended Pestle*	89218-750



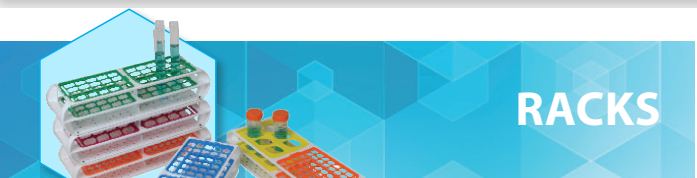
MICROBIOLOGY

Product Name	Catalog Number
Sterile Cloning Cylinders; 7mm Top x 8mm Bottom O.D., Plastic	77776-774
Sterile Cloning Cylinders; 12mm Top x 13mm Bottom O.D., Plastic	77776-776
Sterile Cloning Cylinders; 8.5mm Top x 9.5mm Bottom O.D., Plastic	47727-256
Sterile Cloning Cylinders; Assorted Sizes, Plastic	62866-140
Sterile Cloning Discs; 3.2mm Diameter, Paper	13196-102
Sterile Cloning Discs; 4.8mm Diameter, Paper	13196-104
Sterile Cloning Discs; 6.4mm Diameter, Paper	13196-106
Colony Replica-Plating Device for Petri Dishes*	70680-330
Contact Plate and Petri Dish Reader*	12574-064
Hand-Held Colony Counter*	89368-772



STERILITY

Product Name	Catalog Number
Poxygrid® Bench-Top Biohazard Bag Holder Kit*	10035-976
Bench-Top Biohazard Bags	70690-104
Benchtop Biohazard Disposal Can with Motion Sensor Lid*	76226-064
GHS Labeled Safety-Vented Sodium Hypochlorite (Bleach) Wash Bottles 500ml*	10111-940
Safety-Labeled 4-Color 70% Ethanol Wash Bottles 500ml*	89141-024
Trigger Sprayers w/53mm Adapters*	89238-034
Vacuum Aspirator Collection System with Pump*	89171-442
Vakuwash® Cuvette Washer*	58020-014
Piezo Electric Gas Lighter*	62866-127
Cleanware™ Microscope Optics Cleaning Kit	47750-913



RACKS

Product Name	Catalog Number
Poxygrid® 100mm Petri Dish Dispensing Racks, 11 Places*	25405-225
Poxygrid® 100mm Petri Dish Dispensing Racks, 33 Places*	25405-228
Switch-Grid™ Test Tube Racks* (Interchangeable grids available for tube sizes 10mm-30mm)	89260-602
Poxygrid® Pasteur Pipette Can Rack*	47729-700
Stainless Steel Pipettor Stand*	53576-220
Poxygrid® 250ml Centrifuge Tube Rack*	60916-260
Poxygrid® 500ml Centrifuge Tube Rack*	89093-450
No-Wire® Cuvette Rack	10600-036
Petri Dish Incubation Tray	10600-116



TEMPERATURE

Product Name	Catalog Number
H-B® Durac® Maximum Registering/Autoclave Bi-Metal Thermometer; -20°C to 150°C*	75839-584
H-B® Easy-Read General Purpose Liquid-in-Glass Thermometer; -35 to 50°C, Total Immersion	89217-910
H-B® Easy-Read General Purpose Liquid-in-Glass Thermometer; -10 to 225°C, Total Immersion	89217-922
H-B® Bluetooth® Thermometer Hygrometer Data Loggers*	75795-734
H-B® Durac® 4-Channel Electronic Timer with Whiteboard*	10061-386

*See page 8

miVac DNA Small Volume Sample Concentrator

The miVac DNA is an ideal small vacuum concentrator for the molecular biology laboratory, and is capable of removing low volumes of water and organic solvents from a variety of sample formats including tubes, vials, and microplates. To install, simply position the system on the bench, connect the power lead and exhaust tube for faster, trouble-free concentration.

Key Feature & Benefits:

- Compact size saves valuable bench space
- Built-in high displacement vacuum pump suitable for removing solvents with boiling point below 130°C
- Parameter scan easily set and selected with the user-friendly dial
- Built-in methods for ease of use
- Concentration time and temperature are readily monitored on the large clear display
- Fixed angle aluminum rotor for 1.5ml or 2ml microcentrifuge tubes
- Faster than any other system in its class

Dimensions mm (in.)	360 x 597 x 300
W x D x H	(14.2 x 23.5 x 11.8)
Max g-force	250
Vacuum connection	Inbuilt diaphragm pump
Weight	34 kg (75lbs)
Temperature range	Ambient, 30°C - 80°C



Visit us.vwr.com,
keyword miVac for more information.

 **WARNING** – Important information for California residents regarding Prop 65.
Visit www.P65Warnings.ca.gov for more information.



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