



## ProCulture®

Providing Tools for Cell Culture – Every Step of the Way

Find it at [fishersci.com](http://fishersci.com)



# ProCulture®: Cell Culture Made Easier

## 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



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Catalog No.	Description	Quantity/Pack
<b>Homogenizer – Includes Cordless Motor, 2 AA Batteries and Pestle Adapter</b>		
03-421-215	Cordless Homogenizer Unit	1
<b>Individually Packed (Pack of 100)</b>		
03-421-216	0.5ml Pestle	100
03-421-220	0.5ml Pestle and Tube	100
03-421-217	1.5ml Pestle	100
03-421-221	1.5ml Pestle and Tube	100
<b>Bulk Packed (Pack of 100)</b>		
03-421-222	0.5ml Pestle	100
03-421-223	1.5ml Pestle	100
03-421-227	1.5ml Pestle and Tube	100

## 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")



Catalog No.	Overall Length	Quantity/Pack
14-100-182	21cm (8 1/4")	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



Catalog No.	Dimensions (L x W)	Quantity/Pack
03-421-105	21.0 x 1.6cm (8 1/4 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

Catalog No.	Diameter at Base	Height	Flat Diameter	Quantity/Pack
34-118-28	1.5" base	1.00" wall ht.	3.5" diameter	252
34-118-29	2.0" base	1.25" wall ht.	4.5" diameter	256
34-118-30	2.0" base	1.75" wall ht.	5.5" diameter	252



Autoclave

High Density Polyethylene

Polycarbonate

Polymethylpentene

Polypropylene

Polyethylene

Stainless Steel

Steel

## 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

Watch it in action: [youtube.com/Scienceware](https://youtube.com/Scienceware)

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Catalog No.	Dimensions (L X W X H)	Quantity/Pack
14-511-76	22.5 x 22.5 x 5.3cm (87/8 x 87/8 x 21/16")	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

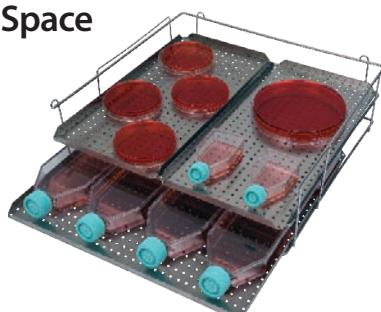
See page 7

Catalog No.	Voltage	Dimensions	Quantity/Pack
14-513-613	120V	24.9 x 25.4 x 5.7cm (93/4 x 10 x 21/4")	1
14-513-615	220V, CE Marked	24.9 x 25.4 x 5.7cm (93/4 x 10 x 21/4")	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



## 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

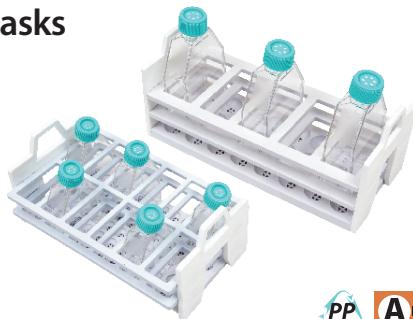


Catalog No.	Description	Quantity/Pack
22-331-422	Holds (18) 1.5 or 2ml, (12) 5ml, (12) 15ml, and (6) 50ml Tubes	1

## 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



Catalog No.	Flask Size	Places	Dimensions (L W X H)	Quantity/Pack
01-816-15	75ml	12	23 x 13.7 x 10.7cm (9.1 x 5.4 x 4.2")	1
34-118-31	260ml	5	29.7 x 12.5 x 13.2cm (11.7 x 4.9 x 5")	1

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Catalog No.	Description	Quantity/Pack
07-910-4B	Rack frame with two center supports (for larger culture flasks), two levels per rack, 5cm (1.96") clearance between trays	1
07-910-4	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
07-910-4A	Small tray, 17.8 x 35.6cm (7 x 14")	1
07-910-6	Large tray, 35.6 x 35.6cm (14 x 14")	1



# ProCulture®: Cell Culture Made Easier

## 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

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Catalog No.	Tube Size	Places	Container I.D.	Closure O.D.	Quantity/Pack
03-410-495	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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Catalog No.	Vial Size	Places	Dimensions (L X W X H)	Pattern	Quantity/Pack
03-410-502	1.2 - 2.0ml	25	7.6 x 7.6 x 5.1cm (3 x 3 x 2")	5 x 5	8
03-410-503	1.2 - 2.0ml	81	13.3 x 13.3 x 5.1cm (5 1/4 x 5 1/4 x 2")	9 x 9	4
03-410-504	5.0ml	81	13.3 x 13.3 x 9.5cm (5 1/4 x 5 1/4 x 3 3/4")	9 x 9	4

03-410-503 can be used with Cryo Tower Storage Systems (11-391-58 and 11-391-59) to save valuable freezer space. Learn more at fishersci.com

## 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

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Catalog No.	Vial Size	Places	Dimensions (L X W X H)	Weight	Quantity/Pack
03-410-498	0.5, 1.5 or 2.0ml	12	14.5 x 10.0 x 9.5cm (5 3/4 x 4 x 3 3/4")	0.7kg (1.5lb)	1



HDPE High Density Polyethylene



PC Polycarbonate



PMP Polymethylpentene



PP Polypropylene



PE Polyethylene



Stainless Steel



Steel

## ProCulture® 100mm Petri Dish Rack



### Perfect for Use in an Incubator or Fridge

- Silicone holding strips grip each Petri dish; easily insert and remove groups of dishes without disturbing upper/lower dishes
- Side labels provide space for critical sample identification
- 24.1cm (9½") high size holds 48, 100mm Petri dishes, 36.8cm (14½") high size holds 84, 100mm Petri dishes

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Catalog No.	Color	Height	Quantity/Pack
14-512-06	Blue	24cm (9½")	1

## 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

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Catalog No.	Places	Dimensions (L X W X H)	Quantity/Pack
03-410-594	54	26.7 x 17.1 x 17.1cm (10½ x 6¾ x 6¾")	1

## 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



Catalog No.	Places	Diameter	Quantity/Pack
34-118-32	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



Catalog No.	Tube Size	Places	Hole Diameter	Fits Beaker Size	O.D.	Quantity/Pack
14-792-14	1.5ml	8	10.8mm (7/16")	400ml	66mm (2½")	1
14-792-15	1.5ml	20	10.8mm (7/16")	1000ml	95mm (3¾")	1
13-717-272	0.5ml	20	7.7mm (5/16")	1000ml	95mm (3¾")	1

# Ancillary Products

## Labeling



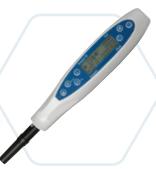
Product Name	Catalog No.
Captor Pen Holder**	01-816-13
Cryogenic Storage Labels; Sheets 33 x 13mm for 1.5-2ml Tubes, White	03-411-641
Cryogenic Storage Labels; Sheets 9.5mm Dots for 0.5-1.5ml Tubes, White	03-411-644
Cryogenic Storage Labels; Sheets 33 x 13mm for 1.5-2ml Tubes, Assorted	03-411-642
Cryogenic Storage Labels; Roll of 9.5mm Dots for 0.5-1.5ml Tubes, White	03-411-648
Cryogenic Storage Labels; Roll of 9.5mm Dots for 0.5-1.5ml Tubes, Assorted	03-411-649
Cryogenic Storage Labels; Roll of 13mm Dots for 1.5-2ml Tubes, White	03-411-645

## Sample Handling



Product Name	Catalog No.
Flowmi™ 40µm Cell Strainers for 1000µl Pipette Tips**	14-100-150
Flowmi™ 70µm Cell Strainers for 1000µl Pipette Tips**	03-421-228
Sterileware® Sterile Sampling Scoops; 60ml, White**	14-241-10A
Sterileware® Sterile Sampling Scoops; 250ml, White**	14-241-10C
Quaverette® Micro-blade Vibrating Spatula; Stainless Steel**	14-430
Bacterial Cell Spreader; Large	08-769-2B
Sterileware® Double-Ended Pestle**	05-663-104

## Microbiology



Product Name	Catalog No.
Sterile Cloning Cylinders; 7mm Top x 8mm Bottom O.D., Plastic	14-512-78
Sterile Cloning Cylinders; 12mm Top x 13mm Bottom O.D., Plastic	14-512-79
Sterile Cloning Cylinders; 8.5mm Top x 9.5mm Bottom O.D., Plastic	14-512-66
Sterile Cloning Discs; 3.2mm Diameter, Paper	07-907-10A
Sterile Cloning Discs; 6.4mm Diameter, Paper	07-907-10C
Colony Replica-Plating Device for Petri Dishes**	09-718-1
Contact Plate and Petri Dish Reader**	14-809-175
Hand-Held Colony Counter**	07-910-018

## Sterility



Product Name	Catalog No.
Poxygrid® Bench-Top Biohazard Bag Holder Kit**	11-394-310
Bench-Top Biohazard Bags	13-717-277
Benchtop Biohazard Disposal Can with Motion Sensor Lid**	16-800-565
GHS Labeled Safety-Vented Sodium Hypochlorite (Bleach) Wash Bottles 500ml**	03-411-730
GHS Labeled Safety-Vented Ethanol Wash Bottles 500ml**	03-411-733
Trigger Sprayers w/53mm Adapters**	01-189-100
Vacuum Aspirator Collection System with Pump**	13-717-260
Vakuwash® Cuvette Washer**	14-385-937
Piezo Electric Gas Lighter**	12-002
Cleanware™ Microscope Optics Cleaning Kit	12-599

## Racks



Product Name	Catalog No.
Poxygrid® 100mm Petri Dish Dispensing Racks, 33 Places**	08-759-12
Switch-Grid™ Test Tube Racks** (Interchangeable grids available for tube sizes 10mm-30mm)	11-123-991
Poxygrid® Pasteur Pipette Can Rack**	34-118-33
Stainless Steel Pipettor Stand**	14-791-8D
Poxygrid® 250ml Centrifuge Tube Rack**	05-663-103
Poxygrid® 500ml Centrifuge Tube Rack**	11-999-002
No-Wire® Cuvette Rack	14-791-5J
Petri Dish Incubation Tray	08-759-15

## Temperature



Product Name	Catalog No.
H-B® Durac® Maximum Registering/Autoclave Bi-Metal Thermometer; -20°C to 150°C**	13-202-761
H-B® Easy-Read General Purpose Liquid-in-Glass Thermometer; -35 to 50°C, Total Immersion	13-201-479
H-B® Easy-Read General Purpose Liquid-in-Glass Thermometer; -10 to 225°C, Total Immersion	13-202-552
H-B® Bluetooth® Thermometer Hygrometer Data Loggers**	13-203-301
H-B® Durac® 4-Channel Electronic Timer with Whiteboard**	13-202-731

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## Cell Culture Made Easier

**ProCulture®**, the new workflow-minded product line for cell culture from SP Bel-Art and SP Wilmad-LabGlass brands, covers multiple steps of the cell culture process from isolation to harvesting. Products include an array of Shaker Flasks, Spinner Flasks with a unique impeller that increases aeration and eliminates dead spots, and an Orbital Shaker Platform that converts an existing magnetic stir plate into an orbital shaker at a fraction of the cost of an orbital shaker.

Discover how **ProCulture®** products can make your cell culture process easier and faster.



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