



# ProCulture®

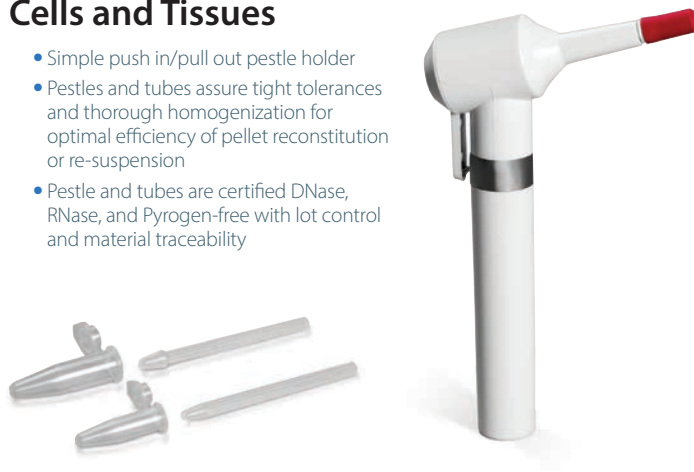
Providing Tools for Cell Culture – Every Step of the Way

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

## 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 5/16") | 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           |



## 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://www.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 (8 7/8 x 8 7/8 x 2 1/16") | 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



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| Catalog No. | Voltage         | Dimensions                                | Quantity/Pack |
|-------------|-----------------|---|---------------|
| 14-513-613  | 120V            | 24.9 x 25.4 x 5.7cm (9 3/4 x 10 x 2 1/4") | 1             |
| 14-513-615  | 220V, CE Marked | 24.9 x 25.4 x 5.7cm (9 3/4 x 10 x 2 1/4") | 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

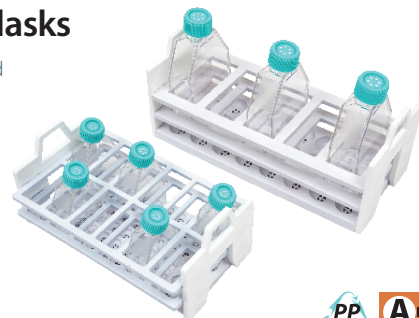


| Catalog No. | Description  | Quantity/Pack |
|-------------|--|---------------|
| 22-331-422  | Holds (18) 1.5 or 2ml, (12) 5ml, (12) 15ml, and (6) 50ml Tubes | 1             |

## 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

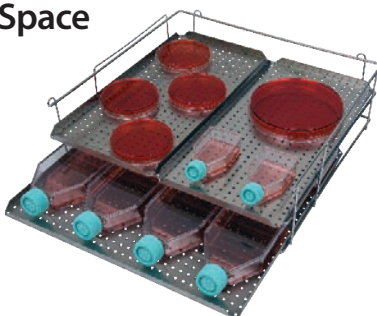


| Catalog No. | Flask Size | Places | Dimensions (L X W X H)                 | Quantity/Pack |
|-------------|------------|--------|--|---------------|
| 01-816-15   | 75ml       | 12     | 23 x 13.7 x 10.7cm (9.1 x 5.4 x 4.2")  | 1             |
| 34-118-31   | 260ml      | 5      | 29.7 x 12.5 x 13.2cm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

## 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



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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® -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

⚠ See page 7



| 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

⚠ See page 7



| 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 (5¼ x 5¼ x 2")  | 9 x 9   | 4             |
| 03-410-504  | 5.0ml       | 81     | 13.3 x 13.3 x 9.5cm (5¼ x 5¼ x 3¾") | 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](http://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

⚠ See page 7



| 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 (5¾ x 4 x 3¾") | 0.7kg (1.5lb) | 1             |



## 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
- 24.1 cm (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

⚠ See page 7



| 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



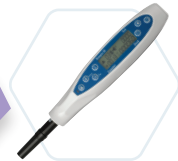
| Product Name   | Catalog No. |
|--|-------------|
| Captor Pen Holder**  | 01-816-13   |
| Cryogenic Storage Labels; Sheets 33 x 13mm for 1.5-2ml Tubes, White        | 03-411-641  |
| Cryogenic Storage Labels; Sheets 9.5mm Dots for 0.5-1.5ml Tubes, White     | 03-411-644  |
| Cryogenic Storage Labels; 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**<br>(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  |

\*\*See page 7



## 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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BN20202065