BIOLOGIX®

Biologix cell culture series

Company Overview

Biologix Group Ltd is founded in USA in the year 2000 and has since been committed to the design and manufacture of high quality, low-priced scientific and biomedical supplies. Throughout its long company history, Biologix has excelled at providing top quality laboratory supplies to distributors at unbeatable prices. Time and time again, after consistently delivering on this promise and expectation, its customers have positioned Biologix among the top manufacturers of laboratory supplies in the world.

Most products manufactured in our U.S. FDA registered facilities are certified sterile, DNase and RNase Free, and non-pyrogenic using the highest quality, international famous medical-grade plastic materials. Some of the world's top branded laboratory supplies, in vitro diagnostic kits, and medical devices are also produced as OEM and/or Private Labeled products.

Biologix Group Ltd strives to provide its customers with just what they are looking for by engaging in market research and participating in continuous new product development. Your product needs and demands are important to us and our new product development system is designed to better support your needs as our customer. Our focus is on building long term relationships, allowing us to have a better understanding of the knowledge and experience you need to be successful in your market.

With 16 years of know-how, we have developed a focus on meticulous control, constant improvement and innovation, as well as setting standards of excellence in our industry. We are proud to serve thousands of laboratories across the United States, as well as hundreds of distributors around the world.

Your Partner for Success in Life Science!

PREFACE

Modern biotechnology is generally considered to include genetic engineering, cell engineering, enzyme engineering and fermentation engineering technology. The development of these technologies almost all has close relationship with cell culture, especially in the development of the medical field. Currently, cell culture technology has become an important means of life science research and has played a key central role in the development of the biotechnology industry. This manual as the introduction of cell culture can be a preliminary understanding of cell culture process and the commonly used experimental items, suitable for laboratory staff and researchers.

CELL CULTURE

What is the cell culture?

Cell culture, simply say that is to spread out a single cell from the body of the organization and put it on the vitro environment similar to the body to survive, to bring it to growth, reproduction, or passage, in order to observe cell growth, reproduction, aging and other biological phenomena. You can also use the cells to study cell engineering, cell cancer and other major issues. Cell culture is the basis of the virus and vaccine technology.

What are the uses of the cell culture?

Cell culture has become one of the main means of cell and molecular biology research, playing an important role in many fields. The following is mainly introduced in four aspects.

(1) In the application of biological basic research

Animal cells in vitro culture can be used to study the animal's normal or pathological cell morphology, cell growth, cell nutrition, metabolism and pathological changes of the process. During the study of genetics, not only can we use the culture of animal cells to do chromosome analysis but also perform genetic analysis and crossbreeding.

(2) In the application of clinical medicine

Cell culture can be used for prenatal diagnosis of genetic diseases and congenital malformation. Currently, people can use amniocentesis technology to get fetal cells in the amniotic fluid. After tissue culture, we can diagnose whether the fetus is suffering from hereditary diseases or congenital malformations. Secondly, the cell culture may also be used in clinical treatment. Normal bone marrow cells can be implanted into patients suffering from blood disorder after mass cell culture.

(3) In the application of animal breeding

Currently, a connection of cell culture techniques, cell fusion technology, cell hybridization technique and transgenic technology, makes it possible to operate and change the genes of animals at the cellular level. The restructuring of genetic material can greatly shorten the breeding process and make breeding work more cost-effective.

(4) In the application of producing biological macromolecules

We can us e the animal cell culture techniques to produce many kinds of macromolecules biological products. We can use large-scale production of virus to develop vaccines, such as rabies vaccine, varicella vaccine. And we can also use animal cell culture techniques to produce proteins with medical and commercial value, such as insulin, various antibodies.

Biologix products are manufactured completely according to the ISO9001:2008 standard and obtained US FDA certification. And all production processes can be tracked through product batch to ensure product quality

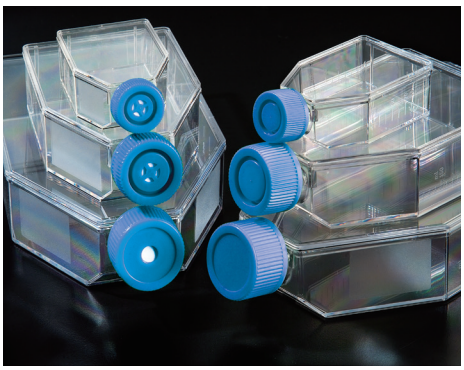
Table of Contents

Cell Culture Flask

Cell Culture Flask is widely used in the process of culturing cells. After special modified treatment of the surface, Cell Culture Flask can make the cell stick to the wall better. Cell Culture Flasks of Biologix are ergonomically designed for easy handling, achieving minimal contamination during cell culture.

FEATURES

- Made from high quality medical grade polystyrene
- Electron beam sterilization, Non-pyrogenic
- Excellent stackability
- Non -cytotoxic
- DNase & RNase free
- Human DNA free



DESIGN

- Cell growth area ranging from 25 cm^2, 75 cm^2, 175 cm^2
- Plugs & filter caps are available for all flask models
- Short & wide neck with angled design allows easy access
- Ergonomic design to facilitate easy handling and minimize contamination

ORDERING INFORMATION

Cat #	Cap type	Growth Area (cm^2)	Working Vol (ml)	Total Vol (ml)	SurfaceTreatment	sterile	Packaging
07-8025	Filter	25	7	60	Yes	Yes	5/Pack, 200/Case
07-8075	Filter	75	25	250	Yes	Yes	5/Pack,100/Case
07-8175	Filter	175	50	650	Yes	Yes	5/Pack, 40/Case
07-9025	plugged	25	7	60	Yes	Yes	5/Pack, 200/Case
07-9075	plugged	75	25	250	Yes	Yes	5/Pack, 100/Case
07-9175	plugged	175	50	650	Yes	Yes	5/Pack, 40/Case

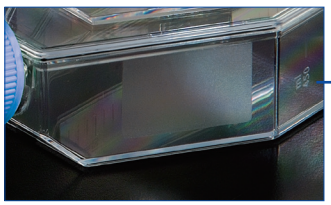
Cell Culture Flask

Filter and plugged cap

Filter caps flask
Suitable for cell and tissue culture under sealed conditions,making the culture environment completely isolated from the outsid

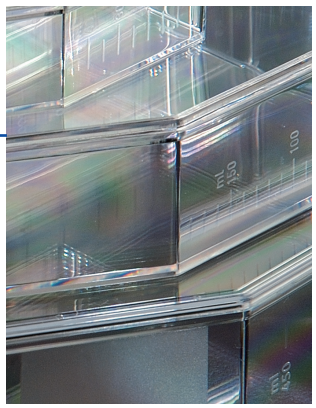
Hydrophobic filter caps flask
Contains hydrophobic membrane with a pore size of 0.22 micron, The flask can meet the requirements for gas exchange in the cell and tissue culture. And it can effectively prevent cross-contamination, suitable for open culture conditions

Large scrubing area for easy marking



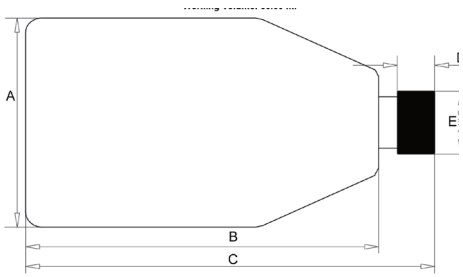
Different cell growth areas

Marked with a clear scale



PRODUCT PARAMETER

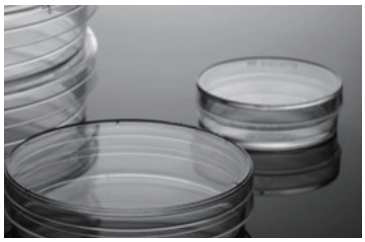
Dimensions=mm



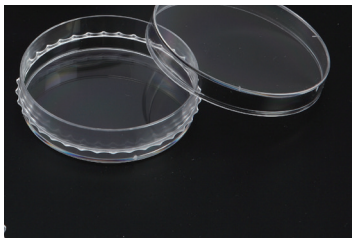
Cat #	Description	A	B	C	D	E
07-8025	Cell Culture Flask	50.10	72.00	92.38	14.50	24.60
07-8075	Cell Culture Flask	84.20	124.10	151.04	19.00	32.00
07-8175	Cell Culture Flask	116.60	199.08	226.69	20.50	34.72
07-9025	Cell Culture Flask	50.10	72.00	92.38	14.50	24.60
07-9075	Cell Culture Flask	84.20	124.10	151.04	19.00	32.00
07-9175	Cell Culture Flask	116.60	199.08	226.69	20.50	34.72

Cell Culture Dish

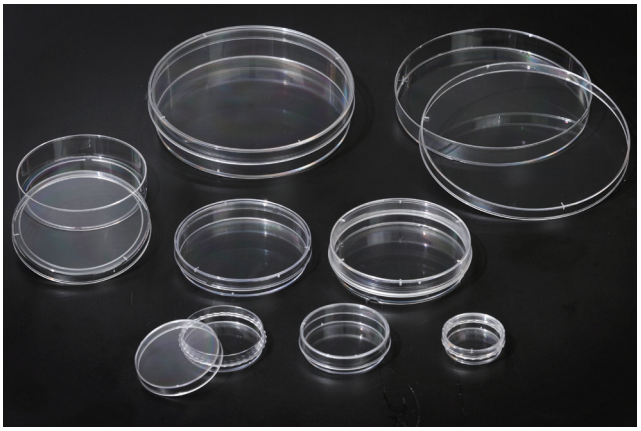
Cell Culture Dish is a kind of laboratory vessel for the culture of microorganism or cell. Biologix can provide four different specifications of the cell culture dish with highest quality. All of the cell culture dishes are produced with optically clear high quality polymers for microscopy.



Stacking rings for easier stacking



External grip for better handling and less production



FEATURES

- Vacuum plasma surface treatment (TC treatment) makes cell adhesion excellent
- Non – pyrogenic
- Non – cytotoxic
- DNase & RNase free
- Human DNA free

DESIGN

- Effective gas exchange lid inner design
- External grip for better handling(Cat.# 07-3035,07-3060)
- Flat transparent surface facilitates the cells observed without optical distortion under microscope
- Stacking rings for easier stacking

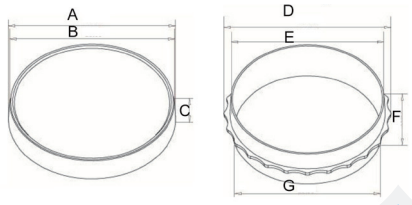
ORDERING INFORMATION

Cat #	Dish style dxh(mm)	Internal Dimension dxh (mm)	Growth Area (cm^2)	Working Vol (ml)	External Grip	Surface Treatment	Sterile	Packaging
07-3035	35.00x10.00	35.00x9.60	9.40	3.00	Yes	Yes	Yes	10/Pack, 500/Case
07-3060	60.00x15.00	52.80x12.80	21.50	5.00	Yes	Yes	Yes	10/Pack, 500/Case
07-3100	100.00x20.00	86.26x17.70	57.50	12.50	No	Yes	Yes	10/Pack, 200/Case
07-3150	150.00x25.00	140.20x23.30	148.00	35.00	No	Yes	Yes	10/Pack, 120/Case

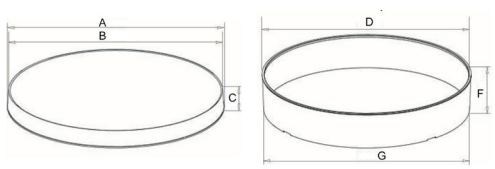
PRODUCT PARAMETER

Dimensions=mm

Cat #	Description	A	B	C	D	E	F	G
07-3035	Cell Culture Dish	40.30	39.00	6.00	40.30	36.98	10.90	35.00
07-3060	Cell Culture Dish	58.00	56.71	8.50	58.00	55.17	14.00	52.80
07-3100	Cell Culture Dish	93.10	91.20	9.30	59.40		19.20	86.26
07-3150	Cell Culture Dish	148.50	145.50	12.20	143.20		25.40	143.20

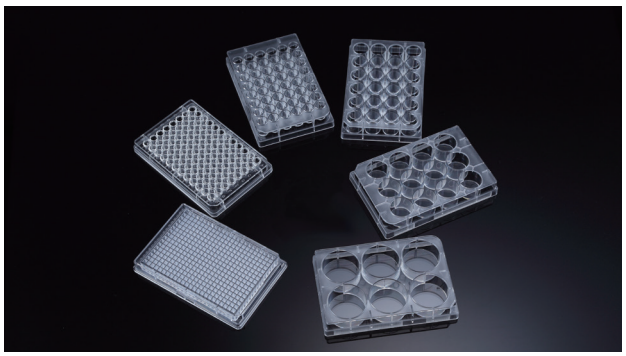


07-3035 07-3060



07-3100 07-3150

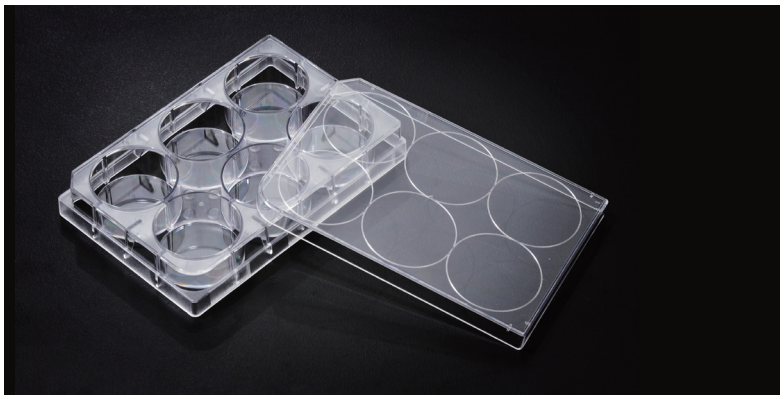
Cell Culture Plate

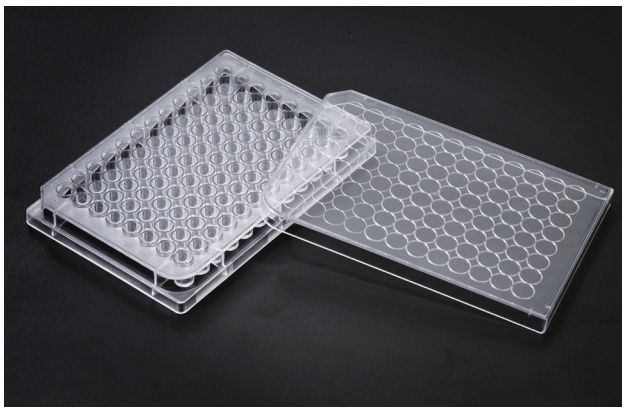


Cell Culture Plates are widely used for handling multiple samples in a single experiment during cell culture. Biologix provides a wide range of multiwell plates from 6-well to 96-well plates for cell culturing purposes.

FEATURES

- Manufactured from prime virgin polystyrene
- Every product is packaged individually, with excellent resistance to bacteria
- Non- pyrogenic
- Non- cytotoxic
- DNase &RNase free
- Human DNA free



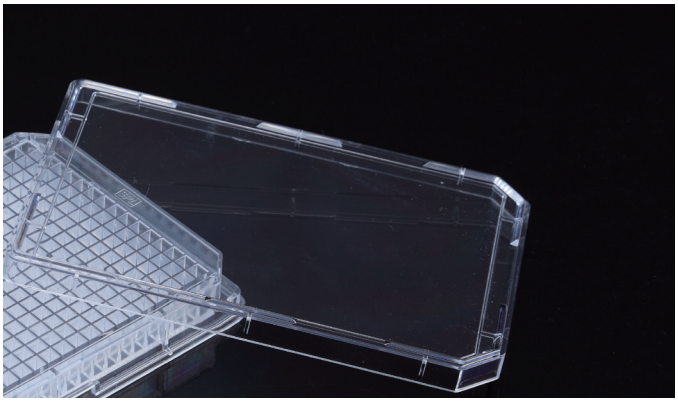


DESIGN

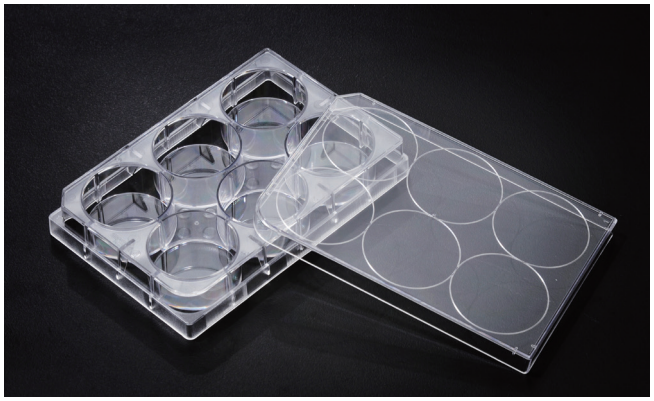
- Plate cover hypotenuse oriented design to prevent cross contamination
- The thin-walled design at the bottom minimizes edge effects because of the temperature during the cell culture process
- Flat well bottom, excellent optical properties suitable for various microscopic applications

ORDERING INFORMATION

Cat #	Well	External Dimension wxlxh(mm)	Well Dimension dxh(mm)	Growth Areal (cm²)	Working Vol (ml)	Surface Treatment	Sterile	Packaging
07-6006	6-well	85.40x127.60x20.20	35.00x17.50	9.60	3.00	Yes	Yes	1/Pack, 50/Case
07-6012	12-well	85.40x127.60x20.20	21.90x17.50	3.80	2.00	Yes	Yes	1/Pack, 50/Case
07-6024	24-well	85.40x127.60x20.20	15.50x17.50	1.90	1.00	Yes	Yes	1/Pack, 50/Case
07-6048	48-well	85.40x127.60x20.20	9.75x17.50	0.75	0.50	Yes	Yes	1/Pack, 50/Case
07-6096	96-well	85.40x127.60x14.40	6.50x10.80	0.33	0.20	Yes	Yes	1/Pack, 50/Case

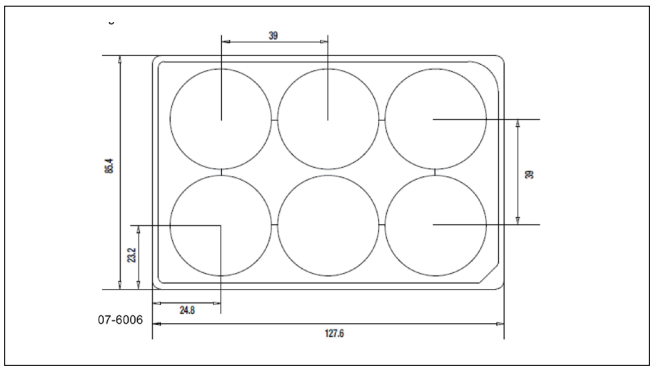


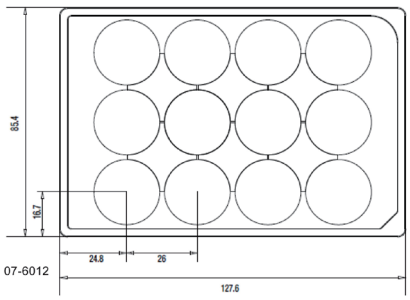
High degree of transparency

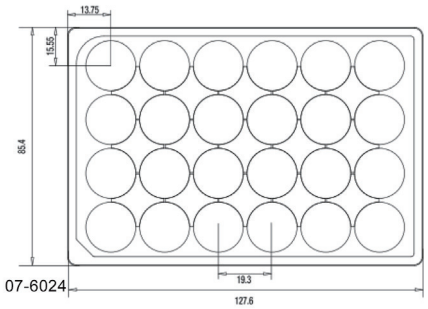


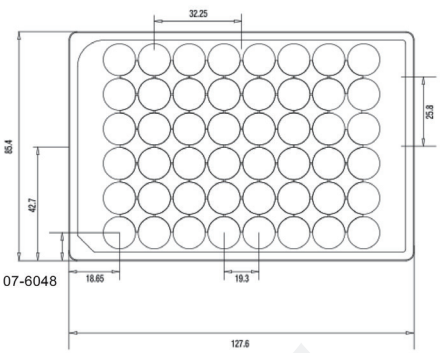
The bottom surface is flat,so it is easy to observe the sample

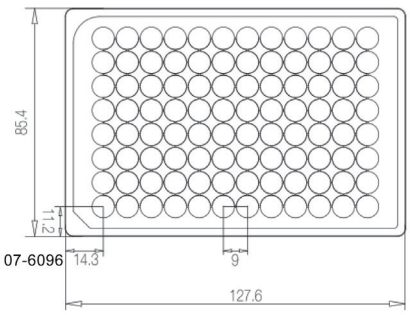
PRODUCT PARAMETER



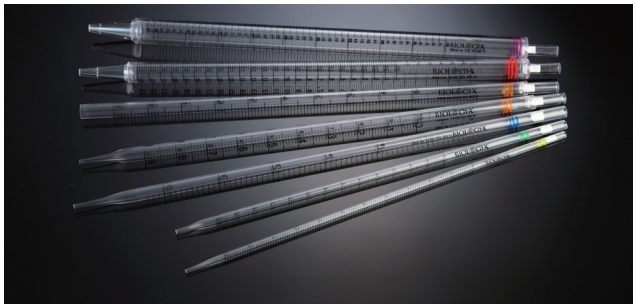








Pipette



Serological pipettes are widely used in tissue culture and other biological studies. Pipettes are crucial in assuring the precise handling of liquids. Biologix Serological Pipettes are classified by sample volume. Ascending & descending scales facilitate the reading of both dispensing and remaining volume.

FEATURES

- Made from highly transparent material polystyrene using molding manufacturing technology
- Wrapped individually and use different color to distinguish different pipette specifications
- Six different volumes
- Non-pyrogenic
- Non-cytotoxic
- DNase &RNase free
- Human DNA free

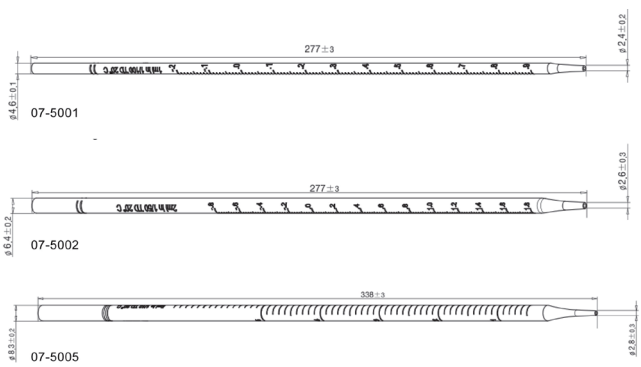
High degree of transparency

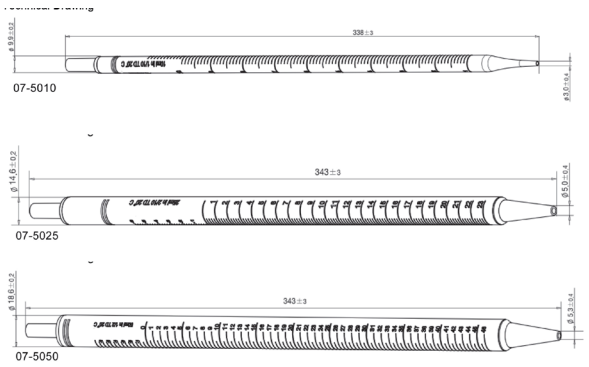
Quick & easy color identification

Ascending & descending scales

ORDERING INFORMATION

Cat #	Color	Working Vol (ml)	Sterile	Packaging
07-5001	Yellow	1.00	Yes	200/Pack, 800/Case
07-5002	Green	2.00	Yes	150/Pack, 600/Case
07-5005	Blue	5.00	Yes	100/Pack, 400/Case
07-5010	Orange	10.00	Yes	100/Pack, 400/Case
07-5025	Red	25.00	Yes	50/Pack, 200/Case
07-5050	Purple	50.00	Yes	40/Pack, 160/Case

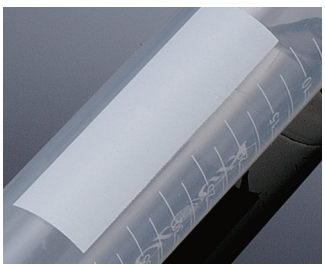




FRATURES

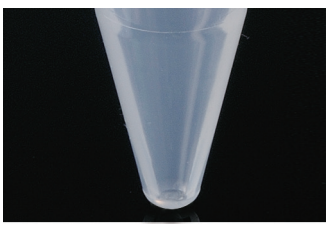
- Gamma radiation sterilized and non-sterilized available
- Non-pyrogenic
- 15ml and 50ml conical tubes available
- Working temperature:stable from -20℃ to 121℃
- Withstand centrifugation of 8,400 RCF for 15ml and 9,400 RCF for 50ml in a fully supported rotor

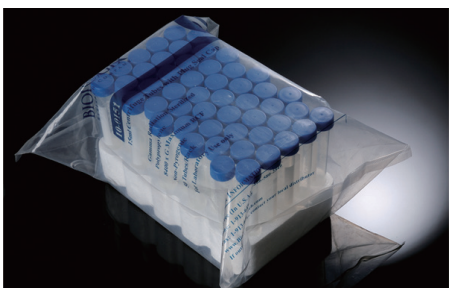
Clear graduations
provide an easy volume reference



Large white writing area for easy marking

Conical bottom for superior separation and pelleting





Note for Sterile Products:
Contents sterileunless package is opened or damaged

PACKAGING

1. Foam racked package (Sterile)
   a) Foam racks offer the convenience of oriented product presentation
   b) Samples can be viewed without removing tubes from rack
2. Bulk packed package (Sterile & Non-sterile)
   a) Transparent polyethylene bags are durable and protect the tubes well
   b) All sterile tubes are packaged with caps attached while non-sterile tubesare packaged with caps separately

Centrifuge Tubes

ORDERING INFORMATION

Cat #	Volume	Caps	Pack	Sterile	Unit
10-9151	15ml	Flat Top	Rack	Yes	50/rack, 500/case
10-9152	15ml	Flat Top	Bulk	Yes	25/bag, 500/case
10-9501	50ml	Flat Top	Rack	Yes	25/rack, 500/case
10-9502	50ml	Flat Top	Bulk	Yes	25/bag, 500/case
10-9815	15ml	Flat Top	Bulk	No	500/case
10-9850	50ml	Flat Top	Bulk	No	500/case
10-0151	15ml	Plug Seal	Rack	Yes	50/rack, 500/case
10-0152	15ml	Plug Seal	Bulk	Yes	25/bag, 500/case
10-0501	50ml	Plug Seal	Rack	Yes	25/rack, 500/case
10-0502	50ml	Plug Seal	Bulk	Yes	25/bag, 500/case
10-0815	15ml	Plug Seal	Bulk	No	500/case
10-0850	50ml	Plug Seal	Bulk	No	500/case

CAP DESIGN

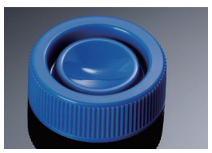
1. Flat-top cap

a) Biologically inert, high density polyethylene provides a chemically resistant surface
b) Double threaded design to reduce cross-threading, easily opened and closed
c) Flat top facilitates top writing areas for sample identification

PE flat-top cap
for labeling

2. Plug-seal screw on cap

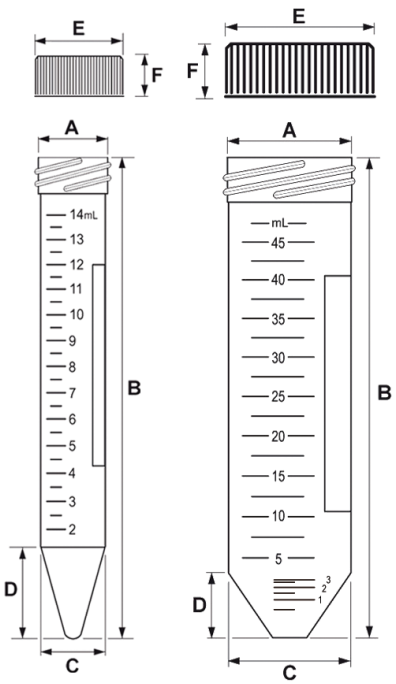
a) Biologically inert, high density polypropylene provides a chemically resistant surface
b) Double threaded design to reduce cross-threading, easily opened and closed
c) Autoclavable



PP plug-seal cap
is autoclavable

TUBE DESIGN

* Tubes are made of strong, medical-grade polypropylene
* Transparent wall permits easy viewing of tube contents
* Conical bottom design fits most standard floor model and table-top centrifuges
* Graduation with white ink, in 1ml (for 15ml Tubes) and 5ml (for 50ml Tubes) increments
* White writing area facilitates sample identification
* Solvent resistant printing will not rub off during routine laboratory procedures
* Tubes are covered with leak-proof caps that comply with IATA Safety Standards



PRODUCT PARAMETER

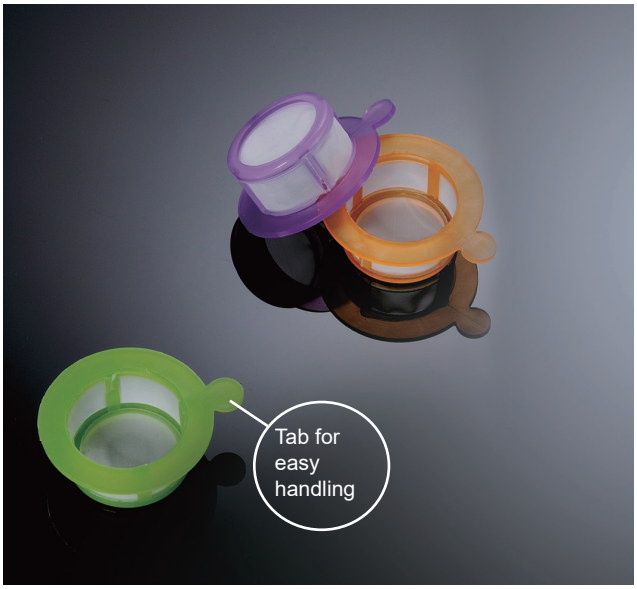
Dimensions=mm

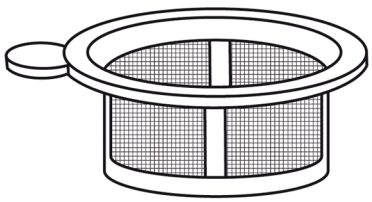
Cat #	Description	A	B	C	D	E	F
10-9152	Centrifuge Tube	O.D.17.5	119.6	O.D. 15.8	22.7	O.D. 22.0	10.3
10-9502	Centrifuge Tube	O.D.29.6	114.7	O.D. 29.2	15.6	O.D. 35.5	12.3

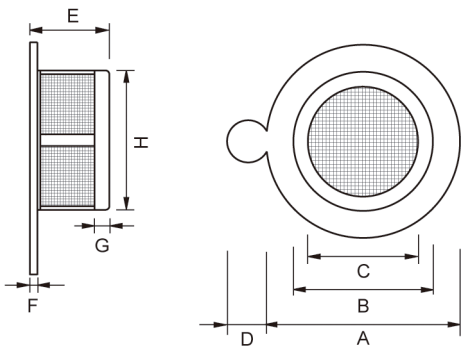
Cell Strainers

FRATURES

- Strong nylon mesh for optimal performance in a variety of applications
- Evenly spaced mesh pores providing consistent and reliable results
- Polypropylene frame features a molded tab for easy handling
- Conveniently accessible in individual packaging with gamma radiation sterilization
- Fits perfectly into 50ml Biologix Centrifuge Tubes
- Different colors for easy pore size identification







ORDERING INFORMATION

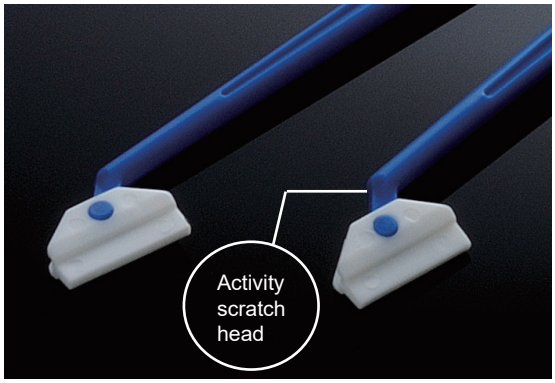
Cat #	Size	Package	Color	Sterile	Unit
15-1040	40μm	Individual	Purple	Yes	100 Pieces/case
15-1070	70μm	Individual	Orange	Yes	100 Pieces/case
15-1100	100μm	Individual	Green	Yes	100 Pieces/case

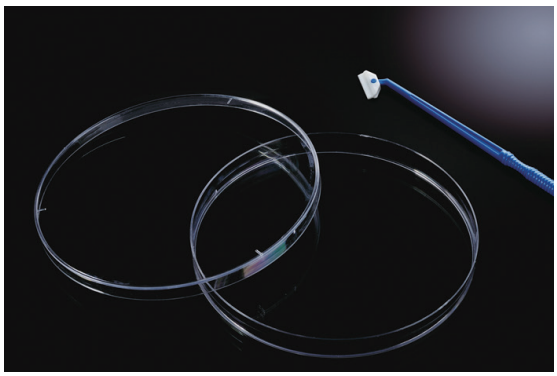
PRODUCT PARAMETER

Dimensions=mm

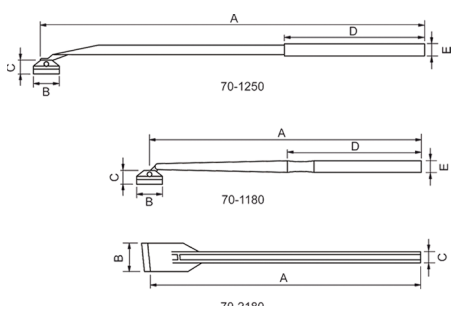
Cat #	Description	A	B	C	D	E	F	G	H
15-1040	Cell Strainers	O.D. 35.7	O.D. 25.7	O.D. 20.6	O.D. 7.8	14.4	1.5	2.8	O.D. 25.7

Cell Scrapers & Lifters





Anti-skidding



FRATURES

Cell Scrapers

- Available in two sizes: 18cm and 25cm
- Non-pyrogenic
- Polyethylene
- Pivoting blade makes precise cutting and scraping movements
- Appropriate for a variety of cell culture vessels
- The uniquely designed handle and blade reduce cell damage during the harvesting process
- Pre-sterilized and individually wrapped in peel-open packaging

Cell Lifters

- Used with dishes and cell culture clusters for quick removal of cell layers
- Blade Length: 2.0cm; Handle Length: 16cm
- Gamma radiation sterilized and individually wrapped
- Disposable lifters quickly remove cell layers
- The one-piece design and chiseled blade provide improved control while minimizing damage during the cell removal process
- Non-pyrogenic
- Polyethylene

ORDERING INFORMATION

Cat #	Name	Handle Length	Sterile	Unit
70-1180	Cell Scraper	18cm	Yes	100 Pieces/case
70-1250	Cell Scraper	25cm	Yes	200 Pieces/case
70-2180	Cell Lifter	18cm	Yes	100 Pieces/case

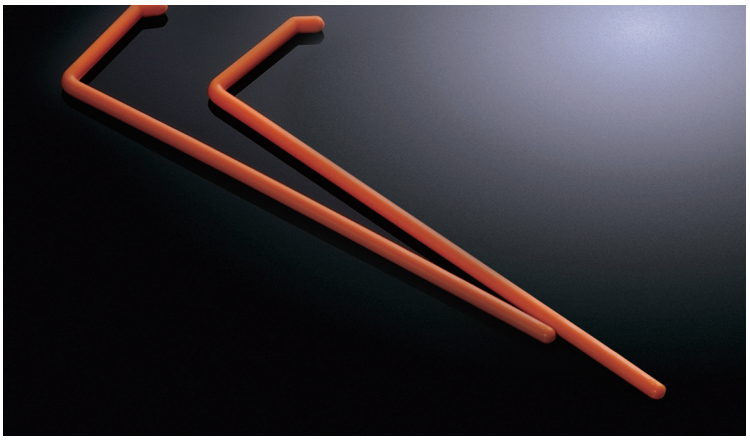
PRODUCT PARAMETER

Dimensions=mm

Cat #	Description	A	B	C	D	E
70-1250	Cell Scraper	250.0	18.0	9	89.0	O.D. 7.7
70-1180	Cell Scraper	180.0	18.0	9	85.0	O.D. 7.4
70-2180	Cell Lifter	180.0	20.0	7.4	-	-

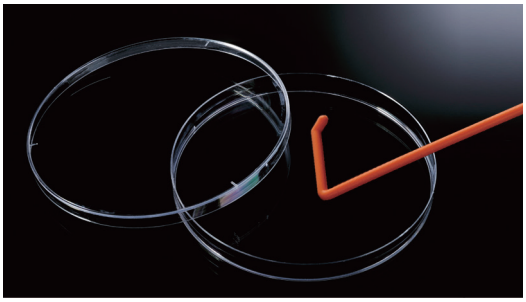
Cell spreaders

FRATURES

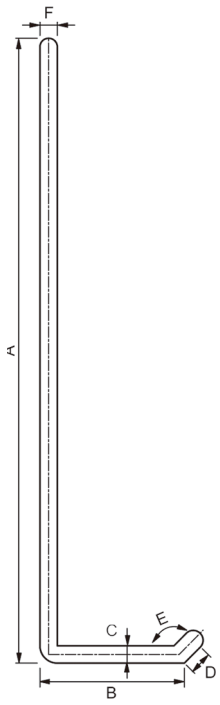


- Ideal for even spreading of bacterial cultures
- Disposable
- Smooth spreading surface with slight upward angle reduces the risk of damaging agar surface
- L-shape allows application on the entire Petri Dish or plate surface
- Gamma radiation sterilized
- Polystyrene

PACKAGING



- Available in individually wrapped and 10 pieces per bag which keep them safe from contamination and easy to be used
- 10 pieces pack includes a piece of cardboard with product description to better protect products and the bag can be resealed



ORDERING INFORMATION

Cat #	Pack	Color	Sterile	Unit
65-1001	Individual	Orange	Yes	500 Pieces/case
65-1010	10 Pieces/pack	Orange	Yes	500 Pieces/case

PRODUCT PARAMETER

Dimensions=mm

Cat #	Description	A	B	C	D	E	F
65-1001	Cell Spreader	144.0	33.2	O.D.4.0	O.D. 5.3	135°	O.D. 4.0

BIOLOGIX®

Biologix Group Ltd

9876 Pflumm Rd
Lenera, KS 66215 USA
Phone:+1-816-6597165
Inquiry@BiologixGroup.com
www.BiologixGroup.com