



Labware

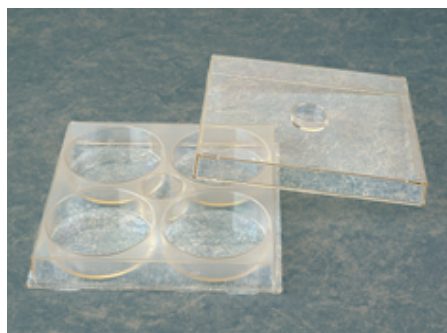
Cell Culture Supplies

Linbro® Multiwell Plates

- Clear, Rigid, Virgin Polystyrene
- Stackable
- High Optical Clarity
- Numbered Wells
- Protected Viewing Surface
- Sterile
- Tissue Culture Treated
- Flat-Bottom

Linbro® Multiwell Culture Plates can be used for a variety of applications such as cell cloning and metabolic cell labeling. All Linbro® Multiwell Plates are subjected to stringent quality assurance tests at every step during production. Every lot of plastic resin used to produce our plates is analyzed for purity and uniformity such that the final product yields consistent results. During the injection and molding of the resin, the mold temperature and the surrounding environment conditions (i.e. humidity, temperature, pressure, etc.) are closely monitored. The γ -irradiation treatment used to sterilize Linbro® Multiwell plates is tightly regulated so that each plate of each lot receives exactly the same amount. Following production, ICN technicians test plates for physical integrity and biological performance.

Linbro® 4-Well Culture Plate



Growth Area:
28.2 cm²
Well Capacity:
42.4 ml

Approx. Size:
14.0 x 14.0 x 2.0 cm
Approx. Well Size:
6.0 x 1.5 cm

Cat. No.	Description	Qty.	Price
7603705	4-Well Plate w/cover	100/cs	317.75

Linbro® 6-Well Culture Plate



Growth Area:
9.62 cm²
(Deep Flat-Bottom: 7.55 cm²)
Well Capacity:
9.6 ml
(Deep Flat-Bottom: 12.8 ml)

Approx. Size:
13.0 x 8.8 x 1.5 cm

Approx. Well Size:
3.5 x 1.0 cm

Cat. No.	Description	Qty.	Price
7605805	6-Well Plate w/cover, 1/sleeve	100/cs	203.85
7604905	6-Well Plate w/cover, 25/sleeve	100/cs	177.10

Linbro® 12-Well Culture Plate



Growth Area:
4.50 cm²
Well Capacity:
7.5 ml

Approx. Size:
11.1 x 8.4 x 2.2 cm
Approx. Well Size:
2.4 x 1.7 cm

Cat. No.	Description	Qty.	Price
7605305	12-Well Plate w/cover	100/cs	224.20

To place an order: (800) 854-0530, fax (800) 334-6999
Outside of the U.S.: (714) 545-0100, fax (714) 557-4872

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www.icnbiomed.com
E-Mail: sales@icnbiomed.com

Linbro® 24-Well Culture Plate



Growth Area:
2.00 cm²

Well Capacity:
3.5 ml

Approx. Size:
15.0 x 10.8 x 2.2 cm

Approx. Well Size:
1.7 x 1.6 cm

Cat. No.	Description	Qty.	Price
7603305	24-Well Plate w/cover	100/cs	297.05

Linbro® 24-Well Space Saver Culture Plate



Growth Area:
2.00 cm²

Well Capacity:
3.5 ml

Approx. Size:
13.0 x 8.7 x 2.1 cm

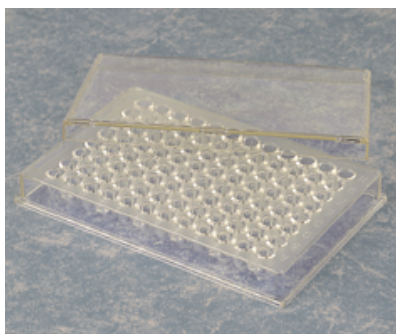
Approx. Well Size:
1.7 x 1.6 cm

Cat. No.	Description	Qty.	Price
7606305	24-Well Space Saver Plate w/cover	100/cs	200.55

Linbro® 96 Well Microplates

These clear, rigidly constructed microplates are made from virgin polystyrene and feature an ergonomic stackable design. They are available in three different well styles- Flat-Bottom, U-Shaped Bottom, and V-Shaped Bottom Wells- depending on your particular needs. Rows are lettered "A-H" and numbered "1-12" for easy identification. Each plate is specially tissue treated for cell culture use and prepared sterile, individually wrapped or non-sterile in bulk quantities.

The "Lightweight" design 96 well microplates have the following advantages: interwell spaces, individual well identification, gripping tabs on the side, and raised rims around each well. The lid is designed with control rings that fit accurately over the wells reducing the risk of cross-contamination.



Linbro® 96-Well Flat-Bottom Microplates

Growth Area:
0.38 cm²

(Lightweight Design)

Well Capacity:
0.35 ml

Approx. Size:
12.8 x 8.6 x 1.5 cm

Approx. Size:
13.0 x 8.8 x 1.5 cm)

Approx. Well Size:
1.0 x 0.7 cm

Cat. No.	Description	Qty.	Price
7600305	Sterile, Tissue-Culture Treated w/cover	100/cs	273.40
7600205	Sterile, Tissue-Culture Treated w/o cover	100/cs	183.55
7630105	Non-Sterile, Non-T.C. Treated w/o cover	100/cs	132.70



Labware

Cell Culture Supplies

7630705*	Non-Sterile, Non-T.C. Treated w/o cover	100/cs	183.75
7603105	Lightweight, Sterile, Tissue-Culture Treated w/o cover	100/cs	183.55
7603205	Lightweight, Sterile, Tissue-Culture Treated w/cover	100/cs	270.15
7623105	Lightweight, Sterile, Non-T.C. Treated, w/o cover	100/cs	178.95
7623205	Lightweight, Sterile, Non-T.C. Treated, w/cover	100/cs	262.50
7633105	Lightweight, Non-Sterile, Non-T.C. Treated, w/o cover	100/cs	106.80

*For U.K. customers only.

Linbro® 96-Well “U”-Bottom Microplates

Growth Area: 0.28 cm²
(Lightweight Design)

Approx. Size:
12.8 x 8.6 x 1.5 cm
Approx. Size:
13.0 x 8.8 x 1.5 cm

Well Capacity:
0.25 ml

Approx. Well Size:
1.0 x 0.7 cm

Cat. No.	Description	Qty.	Price
7601305	Sterile, Tissue-Culture Treated w/cover	100/cs	225.75
7601804*	Sterile, Tissue-Culture Treated w/cover	50/cs	110.25
7631105	Non-Sterile, Non-T.C. Treated w/o cover	100/cs	95.75
7604105	Lightweight, Sterile, Tissue-Culture Treated w/o cover	100/cs	173.40
7604205	Lightweight, Sterile, Tissue-Culture Treated w/cover	100/cs	270.15
7624105	Lightweight, Sterile, Non-T.C. Treated w/o cover	100/cs	168.15
7624205	Lightweight, Sterile, Non-T.C. Treated w/cover	100/cs	262.50

7634105	Lightweight, Non-Sterile, Non-T.C. Treated w/o cover	100/cs	100.85
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*For U.K. customers only.

Linbro® 96-Well “V”-Bottom Microplates

Growth Area: 0.28 cm²
(Lightweight Design)

Approx. Size:
12.8 x 8.6 x 1.5 cm
Approx. Size:
13.0 x 8.8 x 1.5 cm

Well Capacity:
0.25 ml

Approx. Well Size:
1.0 x 0.7 cm

Cat. No.	Description	Qty.	Price
7602205	Sterile, Tissue-Culture Treated w/o cover	100/cs	183.55
7602305	Sterile, Tissue-Culture Treated w/cover	100/cs	270.15
7622305	Sterile, Non-T. C. Treated w/cover	100/cs	262.50
7632105	Non-Sterile, Non-T.C. Treated w/o cover	100/cs	106.80

*For U.K. customers only.

Linbro® 96-Well Polyvinylchloride (PVC) Microplates

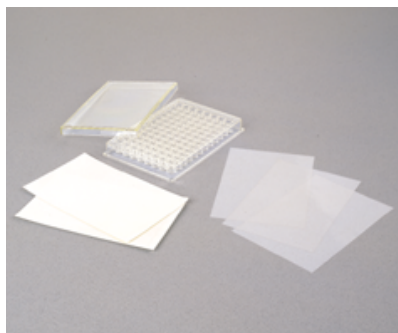
Cat. No.	Description	Qty.	Price
7717205	Flat-Bottom, High Activated	100/cs	350.00
7717305	Flat-Bottom, Activated	100/cs	250.00
7717405	Flat-Bottom, γ -Irradiated, High Activated	100/cs	350.00
7717605	“U”-Bottom, Activated	100/cs	250.00
7717505	Non-Sterile Cover	100/cs	125.00

Linbro® 96-Well Microplate Covers

Cat. No.	Description	Qty.	Price
7620505	Sterile, For use with 7602205	100/cs	114.65
7640504	Non-Sterile, For use with 7631105 and 7632105	50/cs	69.50

7621505	Lightweight, Sterile, For use with 7603105, 7623105, 7604105, and 7624105	100/cs	114.75
7641505	Lightweight, Non-Sterile, For use with 7633105 and 7634105	100/cs	114.75

Microplate Sealers



Acetate plate sealers are NON gas permeable and mylar plates are gas permeable. All sealers are supplied non-sterile, and they are not autoclavable. The dimensions are approximately 13.3 x 8.3 cm.

Cat. No.	Description	Qty.	Price
7640105	Acetate Plate Sealer	100/pk	18.70
7640205	Mylar Plate Sealer	100/pk	33.95
7742000	Sealing Tape, 60 m roll	1 each	20.40
7740200	Sealing Roller	1 each	46.60

Additional Plates

Cat. No.	Description	Qty.	Price
7630205	96-Well Polystyrene Tray Flat-Bottom, White, High Impact, Well Capacity: 2.0 ml, 30 x 20 x 1.3 cm	100/cs	169.90
7636405	96-Well "U"-Bottom Acrylic Plate Well Capacity: 0.2 ml	100/cs	91.75

SmartPlastic™

Pronectin® F Treated Cultureware for Enhanced Cell Attachment!

- No Weaning Period
- Direct Transition to Serum-Free Conditions
- Faster and Stronger Cell Adherence
- Improved Plating Efficiencies
- Improved Primary Culture Efficiency in Serum or Serum-Free Conditions
- Greater *In Vivo*-like Morphology
- Improved Cell Growth and Attachment
- Greater Consistency in Performance



SmartPlastic™ from ICN is treated with Pronectin® F, a bioengineered molecule designed for improved cell attachment in serum and serum-free conditions. Pronectin® F is a recombinant cell attachment factor that contains Arg-Gly-Asp (RGD) tripeptide repeats common to most extracellular matrix proteins. This cell attachment sequence is presented as an insoluble matrix directly on the culture surface of SmartPlastic™ products, mimicking the natural extracellular matrix protein environment. Apart from providing the physical support for cell attachment, it influences cell spreading survival, metabolism, and morphology. Indeed, basic cell functions such as multiplying, developing, migration, and differentiation into specialized cell types are all related to and dependent upon the extracellular matrix.



Labware

Cell Culture Supplies

SmartPlastic™ cultureware provides a receptor mediated *in vitro* environment for cellular growth and development that is much closer to actual *in vivo* conditions than traditional plastic cultureware supplemented with attachment molecules from bovine serum origin. ICN's SmartPlastic™ has demonstrated its benefits on numerous cell types including:

Bone	Fibroblast
Embryonic	Endothelial
Epithelial	Eye-Derived
Muscle	Neuronal
Parenchymal	Tumor

SmartPlastic™ Pronectin® F Coating Kits

Cat. No.	Description	Qty.	Price
7690001	Pronectin® F Contains 1 mg powder, 1 ml diluent	makes 100 ml	93.70
7690005	Pronectin® F Contains 5 mg powder, 5 ml diluent	makes 500 ml	374.85

Lux® Multidishes

- Space Saving
- Economical
- Conserves Materials
- Stackable
- Excellent for Direct Surface Attachment
- Ideal for Coverslip Growth Techniques

SmartPlastic™ Multiwell Plates

Cat. No.	Description	Qty.	Price
7691101	6-Well Culture	5/pk	19.25
7691102	Plate w/lid Sterile,	10/pk	38.60
7691103	Individually Wrapped	20/pk	115.00
7691201	24-Well Culture	5/pk	24.25
7691202	Plate w/lid Sterile,	10/pk	48.50
7691203	Individually Wrapped	20/pk	94.80
7691301	96-Well Culture	5/pk	29.75
7691302	Plate w/lid Sterile,	10/pk	59.55
7691303	Individually Wrapped	20/pk	115.75

Cat. No.	Description	Qty.	Price
LX5215	4-Well w/lid	100/cs	257.10
LX5218	8-Well w/lid	100/cs	246.05

SmartPlastic™ Culture Dishes

Cat. No.	Description	Qty.	Price
7690103	35 x 10 mm	20/pk	18.15
7690105		100/pk	88.20
76901H4		200/cs	170.90
7690203	60 x 15 mm	20/pk	21.20
7690205		100/pk	104.75
76902H4		200/cs	203.95
7690303	100 x 20 mm	20/pk	41.30
7690305		100/pk	203.95
76903H4		200/cs	396.90

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E-Mail: sales@icnbiomed.com

Labware

Cell Culture Supplies



Lux® Tissue Culture Flask

- Sterile
- Disposable
- Positive Stacking Design
- Rigidly Tested for Optimal Growth
- Distortion-Free Flat Surfaces
- Sonic-Welded at the Top
- Uniform Confluency
- Seam Leakage Pressure Tested

LX132913X	500 cm ² , Straight Neck, Filter cap	16/cs	540.20
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Lux® flasks are manufactured from the highest quality virgin polystyrene providing exceptional optical clarity, as well as, excellent cell attachment and growth. They are supplied sterile with a specially treated growth surface for optimal cell attachment. A variety of styles are available with your choice of filter, polyethylene (PE) screw, or phenolic (PN) caps.

Cat. No.	Description	Qty.	Price
LX5025A	25 cm ² , Angled Neck w/PE cap	20/pk	20.35
LX5025		160/cs	192.95
LX5325	25 cm ² , Straight Neck w/PN cap	200/cs	295.35
LX136196	25 cm ² , Angled Neck w/Filter cap	80/cs	187.40
LX5080A	80 cm ² , Straight Neck w/PE cap	5/pk	12.55
LX5080		50/cs	108.85
LX178891	80 cm ² , Angled Neck w/Filter cap	50/cs	215.00
LX178905	80 cm ² , Straight Neck w/Filter cap	50/cs	215.00
LX178883	175 cm ² , Straight Neck, w/Filter cap	32/cs	237.05
LX132867X	500 cm ² , Straight Neck vent/close cap	16/cs	496.10

Lux® Tissue Culture Dishes



These dishes are surface-treated and sterilized for optimum results in cell and tissue culture applications. They are manufactured in the same manner as ICN Lab-Tek® petri dishes.

Cat. No.	Description	Qty.	Price
LX5221X	35 x 10 mm with vents	100/pk	52.85
LX5221		500/cs	212.40
LX5217X	35 x 10 mm with 2 mm Grid	100/pk	81.30
LX5217		500/cs	357.45
LX171099X	35 x 10 mm Suspension Dish	100/pk	58.95
LX171099		500/cs	225.50
LX5220X	60 x 15 mm with vents, 20 cm ²	100/pk	60.35
LX5220		500/cs	258.25
LX5216X	60 x 15 mm with 2 mm Grid	100/pk	74.90
LX5216		400/cs	302.90
LX5211X	100 x 15 mm with vents	100/cs	116.00
LX5211		500/cs	508.65
LX5150X	150 x 15 mm with vents	10/pk	54.85
LX5150		120/cs	278.05

One call. One source.
A world of biomedical products.

1493 To place an order: (800) 854-0530, fax (800) 334-6999
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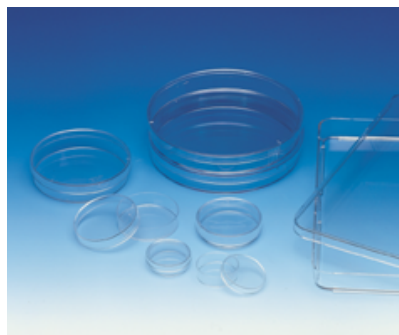


Labware

Cell Culture Supplies

Lab-Tek® Petri Dishes

- Optically Clear Polystyrene
- Top and Bottom Stacking Rings
- Sterility Assured
- Disposable



Labware

Lab-Tek® petri dishes are available in a variety of sizes and shapes for use in routine procedures or automatic filling equipment. Dishes are molded from pure, virgin, biomedical grade, polystyrene resin. Stacking rings in the top and bottom of each plate provide for better stacking. Dish bottoms have an internal ring molded in the sidewall to help retain gel media during shipment and handling and are consistently flat for even media distribution. To allow gas exchange during incubation, most dishes are vented.

These dishes are supplied sterile and are ideal for non-adherent cell populations. The Contact petri dish is suited for environmental studies involving microbial contamination. The Deep petri dishes are excellent for plant and fungal cultures, and they can be used as a tissue culture dish moisture chambers, staining vessels for gels and blots, and for pKu measurements. The Bio-Assay petri dish was developed predominantly for antibiotic activity determinations (agar diffusion assays). It is also useful for isolating clones and screening libraries.

Cat. No.	Description	Qty.	Price
LX4034X	60 x 15 mm	100/pk	31.15
LX4034	with vents	500/cs	126.25
LX5213X	60 x 15 mm	100/pk	145.45
LX5213	Permanox® Dish	500/cs	661.35
LX4036X	60 x 20 mm	96/pk	35.30
LX4036	Deep Dish	400/cs	130.05
LX4038X	70 x 16 mm	140/pk	67.25
LX4038	Contact Dish	700/cs	286.65
LX4061X	100 x 10 mm	150/pk	71.60
LX4061	Complete	750/cs	330.70
LX4002X	100 x 15 mm	100/pk	25.10
LX4002	with vents	500/cs	103.55
LX4006X	100 x 15 mm	100/pk	31.70
LX4006	Bi-Petri Dish	500/cs	114.10
LX4018X	100 x 15 mm	100/pk	40.20
LX4018	Quebec Grid	500/cs	151.35
LX4004	150 x 15 mm	120/cs	103.55
	with vents		
LX4021	Square Dish	500/cs	279.20
LX240835	245 x 245 x 20	16/cs	237.05
	Bio-Assay Dish		

ICN TCC™ Plate

The ICN TCC™ Plate is specifically designed for tissue culture cloning and development of cell lines, especially the production of hybrid cells for monoclonal antibody development. It is constructed of polystyrene that meets tissue culture performance standards. This tissue culture cloning plate has 24 square areas which are subsequently divided into 16 squares forming a "honeycomb"-like appearance. This allows for easy isolation of clones or cells from any of the small squares without disturbing neighboring development. Subculturing procedures are much simpler as well.

Cat. No.	Description	Qty.	Price
9704160	24-Well TCC™ Plate, Sterile	25/pk	248.05

Labware

Cell Culture Supplies

ICN HTC™ Dish

The HTC™ dish is specially designed for efficient, economical hybridoma tissue culture applications. It is suited for the isolation of the active clone involved. Conventional plates require "thinning-out" by subculturing procedures or soft agar cloning which is both costly and time consuming. The HTC™ dish aids in the isolation and development of hybrid cells in a single step. The base of the dish is divided in numerous square wells for easy separation and isolation of desired hybridomas or material for testing.

Cat. No.	Description	Qty.	Price
9633160	HTC™ Dish, Sterile	60/pk	270.10

Ambitube™

ICN Ambitubes™ feature a screw-top, flat side (5 cm²), and treated for optimum cell attachment and growth. The versatile design makes these tubes useful as small flasks, cell culture tubes or as Leighton tubes. Treated and tested for optimum cell growth and attachment. They are supplied in convenient trays of 10 tubes with numbered positions for ease of use. Each tray features a positive stacking design and is made from virgin polystyrene for high optical clarity. They are sterilized by γ -irradiation.

Cat. No.	Description	Qty.	Price
LX156758A	Ambitube™	75/pk	68.75
LX156758	(16 x 110 mm)	450/cs	410.65

Lab-Tek® Chamber Slides



ICN CC™ and GC™ Dishes

For Environmental Hygiene Monitoring

The ICN CC™ dish is constructed of superior quality polystyrene and is sterilized by γ -irradiation. The 25 x 5 cm² surface area provides suitable space for contact cultures for identifying microorganisms in the pharmaceutical, food, and cosmetic industries. The base of each grid is divided into 10 mm squares for colony counting. The GC™ dish provides more rapid colony counting because of the reference grid molded into the base of the dish which allows for the easy isolation and rapid detection of microorganisms.

Cat. No.	Description	Qty.	Price
9629161	CC™ w/o vents	100/cs	248.05
9629180	CC™ with vents	100/cs	248.05
9633175	GC™ Dish	100/cs	248.05

The unique multi-chamber construction is ideal for microculturing different cell types, using different reagents, and maintaining controls on the same slide. Additionally, they can be used for immunofluorescence and autoradiography applications. Serial "stop-action" stains of any chamber may be made at any stage of testing. When the plastic chambers and gaskets are removed, the glass slide can be coverslipped and filed for reference. They are quick and easy-to-use. The uses are virtually unlimited in preparation, examination, and storage of cell monolayers. The slides are available in Permanox® plastic upon request for chamber sizes 1-8.



Labware

Cell Culture Supplies

Cat. No.	Description	Qty.	Price
LX4801	1 Chamber, Glass, with cover Working Volume: 4-5 ml, Surface Area: 9.87 cm ²	96/cs	544.65
LX4802	2 Chamber, Glass, with cover Working Volume: 2-2.5 ml, Surface Area: 4.26 cm ²	96/cs	561.25
LX4804A	4 Chamber, Glass, with cover	16/cs	103.55
LX4804	Working Volume: 0.7-1.0 ml, Surface Area: 1.78 cm ²	96/cs	577.30
LX4808A	8 Chamber, Glass, with cover	16/cs	109.90
LX4808	Working Volume: 0.3-4.5 ml, Surface Area: 0.79 cm ²	96/cs	617.70
LX178599A	16 Chamber, Glass, with cover	16/cs	117.10
LX178599	Working Volume: 300 µl, Surface Area: 0.32 cm ²	96/cs	638.40

PlantCon™ - Plant Tissue Culture Containers

- Unbreakable
- Sterilized
- Clear Plastic
- Disposable
- Space Saving
- Safe-To-Use
- Easy-To-Use
- Excellent Light Transmission
- No Messy Clean-up
- Stackable



PlantCon™ containers are scientifically designed for optimal plant cell culture applications. They are supplied with tops and bottoms packaged separately. The top dimensions - 9.5 x 9.5 x 7.0 cm, and bottom dimensions - 9.5 x 9.5 x 3.5 cm.

Plant Tissue Culture Containers

The ICN PTC™ containers are specifically designed for optimum plant tissue culture applications. Each container allows for the maximum transmission of light for accelerated plant growth. They are constructed of rigid polystyrene and are supplied sterile.

Cat. No.	Description	Qty.	Price
9960100	PTC™ with lid	45/pk	55.05
9960101	Dimensions: 50 x 100 mm	315/cs	303.20
9967100	PTC™ with lid	40/pk	37.45
9967101	Dimensions: 68 x 68 mm	320/cs	237.05
9968100	PTC™ with lid	24/pk	33.00
9968101	Dimensions: 68 x 110 mm	192/cs	203.95

Cat. No.	Description	Qty.	Price
2672206	PlantCon™	200/cs	291.60

Cell Culture Supplies

Modular Incubator Chamber

The ICN Modular Incubator Chamber is an easy-to-use, versatile, compact incubator ideal for any kind of tissue culture application. It is a reliable, air-tight system which permits the easy isolation of individual experiments. In addition, the unique design allows for simple stacking for economical and space saving procedures.



Cell Scrapers

ICN cell scrapers allow for easy and efficient scraping. The faceted joint between the blade and handle permits a variety of scraping angles, even around flask edges. The blade is constructed of polyethylene, the handle of polystyrene, and both sizes are supplied individually sleeve-packed and sterilized.

	Small	Large	
Scrape Area:	25-80 cm ²	75-175 cm ²	
Length:	23 cm	23 cm	
Blade Offset:	7.5 mm	16 mm	
Blade Width:	15.5 mm	17.5 mm	
Cat. No.	Description	Qty.	Price
LX179693	Small	50/cs	148.85
LX179707	Large	50/cs	165.30

Cat. No.	Description	Qty.	Price
6153000	Modular Incubator Chamber	1 each	546.20
6153200	Replacement Lid	1 each	190.05
6153300	Replacement Base	1 each	395.00
6153400	Replacement Tray	1 each	48.55
6153500	Marman Clamp	1 each	197.40
6153600	O-Ring	1 each	44.60
6153700	Tubing Clamp w/tubing	1 each	4.45

Magnetic Cell Scrapers



These magnetic cell scrapers gently remove cultured cells from the walls of cell culture vessels. The stainless steel scrapers are Teflon® coated and can be activated within the vessel by placing the vessel on a very low speed magnetic stirrer or by a hand-held magnet moved in a pattern outside the vessel. Three sizes cover the complete spectrum of flask neck sizes.

Cat. No.	Description	Qty.	Price
170003	3/8" (9.5 mm)	6/pk	49.75
170004	3/4" (19 mm)	6/pk	61.95
170005	1.25" (32 mm)	6/pk	45.85
170006	2 of Each Size	6/pk	69.55

Inoculation Loops and Needles

Linbro® Cryovials



Cat. No.	Description	Qty.	Price
LX251586	Blue Inoculating Loop, 10 µl	500/cs	104.75
LX253287	Clear Inoculating Loop, 1 µl	500/c	104.75

Tissue Grinders



These polypropylene tissue grinders efficiently homogenize tissue and cells in test, centrifuge, and grinding tubes. Steam autoclavable at 121°C. The Conical Grinder features a cone which tapers from 8.2 mm to 2.9 mm in length and has a rounded end. It is 21 cm long overall with a 4.8 mm diameter. The Spherical Grinder features an end which is 7.8 mm in diameter, and it is 20 cm long overall with a 4.8 mm diameter shaft. They are available as packages of 6 each or as a case of 36 packaged as 6 per bag.

Cat. No.	Description	Qty.	Price
170060	Conical Grinder	6/bag	19.25
170160		6x6/bag	116.60
170061	Spherical Grinder	6/bag	19.25
170161		6x6/bag	116.55

Linbro® cryogenic storage vials are precision manufactured from high-strength, inert polypropylene, and sterilized by γ -irradiation. They are pyrogen-free, non-mutagenic, and non-toxic. They are packaged in convenient, re-sealable pouches. They will not leak or break when properly closed. The mounted screw caps have an easy grip knurl for efficient opening and closing. All Linbro® cryogenic vials have a white marking area for appropriate identification of the contents. Other features include a distinct fill line and clear marking of vial capacity. Two models are available: Free-Standing and Round Bottom.

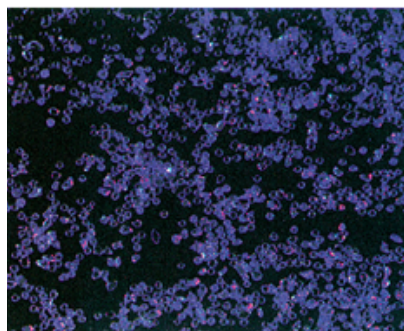
Cat. No.	Description	Qty.	Price
76505S5	1.0 cc, Free-Standing Vial Dimensions: 12.5 x 44 mm, with External Threads	450/cs	231.00
7650007	1.2 cc, Free-Standing Vial Dimensions: 12.5 x 43 mm	500/cs	178.50
7650107	2.0 cc, Round Bottom Vial Dimensions: 12.5 x 48 mm	500/cs	178.50
76502S5	2.0 cc, Free-Standing Vial Dimensions: 12.5 x 48 mm	450/cs	173.25
76506S5	2.0 cc, Free-Standing Vial Dimensions: 12.5 x 46 mm	450/cs	231.00

Cell Culture Supplies

Cat. No.	Description	Qty.	Price
76503B8	4.0 cc, Round Bottom Vial Dimensions: 12.5 x 72 mm	400/cs	168.00
76504B5	5.0 cc, Round Bottom Vial Dimensions: 12.5 x 92 mm	300/cs	157.50

Cell Support Matrices

- Collagen Glass and Plastic Beads
- Variety of Bead Size and Density
- Collagen Films and Solutions
- Culture Plate Inserts
- Bone Wafer Substrates
- Cell Shape Polymer Support



Certain cell types are characterized as anchorage-dependent in that they require attachment to a surface or solid support in order to grow and propagate efficiently. Typical examples of anchorage-dependent cells include epidermal cells, fibroblasts, and chondrocytes. Supports for these cells that require a surface for attachment have been as simple as the culture vessel itself. Although, the vessel walls and bottom do not always afford optimum conditions. ICN offers a series of solid support matrices specifically designed for culturing cells that require a support for growth. Included in this group of products are RapidCell™ microcarrier beads, Cellagen™ purified collagen films, beads and solutions, and Cellform™, a unique cell-shape polymer support.

RapidCell™ Microcarrier Beads

ICN originally introduced RapidCell™ as a unique solid support matrix to promote rapid cell growth, higher cell densities, and greater harvesting of cells per volume. Our series of microcarrier beads include:

RapidCell™ C: A collagen coated microcarrier bead.

RapidCell™ G: A smooth-surface glass microcarrier bead.

RapidCell™ P: A plastic microcarrier bead.

All RapidCell™ microcarrier beads can multiply cell production up to 3 times over conventional methods, while simultaneously reducing labor requirements. All types are autoclavable and RapidCell™ glass beads are reusable. Complete protocols for using the beads for growing and harvesting cells are supplied with every order.

		100 g	51.60
152298 RT	RAPIDCELL™ RapidCell™ is a specially treated, solid support matrix specifically designed for culturing cells that require a support for growth. It allows for rapid cell culturing while minimizing costs. Cells such as fibroblasts, epithelial cells and chondrocytes will propagate quickly to confluency on RapidCell™. RapidCell™ Advantages <ul style="list-style-type: none"> • Promotes rapid cell growth • Grows cells to higher densities • Obtains more excreted product per unit area • Allows harvesting of more virus per volume • Allows harvesting of more cells per volume • Requires no trypsinizing for serial passage of cell lines • Less harsh treatment results in greater cell viability • Controlled cell splitting results in cost savings by using less flasks, culture dishes, pipettes, media and technician time. RapidCell™ is supplied in sterile form with a complete, simple protocol for easy direct use in cell culturing.		

152432 RT	RAPIDCELL™C Collagen-coated microcarrier bead, 90-150 μm, 1.02 gm/cm ³	5 g 25 g 100 g	28.85 115.70 430.95
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Cell Culture Supplies

152433 RT	RAPIDCELL™ Collagen-coated microcarrier bead, 150-210 µm, 1.02 gm/cm ³	5 g	28.85
		25 g	115.70
		100 g	430.95

152434 RT	RAPIDCELL™ Collagen-coated microcarrier bead, 90-150 µm, 1.03 gm/cm ³	5 g	28.85
		25 g	115.70
		100 g	430.95

152349 RT	RAPIDCELL™ Collagen-coated microcarrier bead, 150- 210 µm, 1.03 gm/cm ³	5 g	105.00
		25 g	480.00

152435 RT	RAPIDCELL™ Glass microcarrier bead 90-150 µm, 1.02 gm/cm ³	5 g	110.00
		25 g	495.00

152436 RT	RAPIDCELL™ Glass microcarrier bead 150-210 µm, 1.02 gm/cm ³	5 g	80.00
		25 g	255.00

152350 RT	RAPIDCELL™ Glass microcarrier bead, 150-210 µm, 1.03 gm/cm ³	5 g	55.70
		25 g	258.40
		100 g	898.75

152438 RT	RAPIDCELL™ Plastic microcarrier bead 90-150 µm, 1.02 gm/cm ³	5 g	28.85
		25 g	115.70
		100 g	410.00

152439 RT	RAPIDCELL™ Plastic microcarrier bead 150-210 µm, 1.02 gm/cm ³	5 g	28.85
		25 g	115.70
		100 g	410.00

152351 RT	RAPIDCELL™ Plastic microcarrier bead, 150-210 µm, 1.03 gm/cm ³	5 g	39.80
		25 g	159.05
		100 g	556.75

Cellform™ Polymer

A biocompatible polymer, Cellform™ (Poly[2-hydroxyethylmethacrylate]) is readily soluble in alcohol/water solutions. It is a non-adhesive cell culture coating that controls cell shape by diminishing substrate adhesiveness. More than 12 different cell conformations are possible, from spherical to flat. It is useful for the study of cell growth control and sensitivity to changes in shape and is also used for cell adherence studies and for analysis of relationships between cell spreading and cellular metabolism. In solution it produces a sterile, optically clear film for easy viewing.

Cat. No.	Description	Qty.	Price
150207	Cellform™ Polymer	1 g	11.80
		5 g	47.70

Cellagen™ Membranes



- Pure Collagen Film
- Bovine Type I Collagen
- Permeable to Growth Factors
- Permeable to Macromolecules under 4 kDa
- Co-Culturing for Cell-Cell Interactions Studies

Since most epithelial cells exist on basement membranes in the body, through which substances are interchanged, the cells are polarized into distinct apical and basolateral regions. Typical cell culture methods using plastic or glass plates lack consideration of this cell polarization.

Cell Culture Supplies

Cellagen™ Membranes are permeable collagen films developed for tissue culture use that permit the characteristic permeation of substances such as adsorption of nutrients and excretion of metabolites through the membrane. Cellagen™ membranes are especially effective on epithelial cell cultures since they allow the best utilization of cell polarization. Also, long-term cultures can be done in keeping with the differentiated phenotypes in the living body. Additionally, since two types of cells can be cultured on both sides of the membrane, Cellagen™ may be used for cell-cell interaction research and for the basic study of hybrid artificial organs. They are made of highly purified, pyrogen-free, pepsin-solubilized collagen. The membranes are transparent permitting easy observation of the cultured cells by phase contrast microscopy. A complete set includes 5 discs of 33 mm in diameter, brackets, and culture dishes.

Cat. No.	Description	Qty.	Price
152299	Cellagen™ Membranes	1 set	155.00

Cellagen™ Discs

- Transparent
- Permeable
- Cell-Cell Interaction Studies
- *In Vitro* Research
- Versatile

Cellagen™ permeable membranes for cell culturing are also available in ready-to-use disc form. They fit in most standard culture plate wells. The transparency of the discs allows for easy observation with a microscope. The permeability allows molecules and nutrients as large as glucose to pass through. Cell-cell interactions can be studied without direct contact between cells. They allow *in vitro* studies with results similar to *in vivo* research.

Cellagen™ discs are available as two convenient sizes: 14 mm diameter for use in 24-well culture plates and 31 mm diameter for use in 6-well culture plates.

Cat. No.	Description	Qty.	Price
152325	Cellagen™ Discs	24/pk	185.00
152316	For 24-Well Plates	48/pk	366.00
152326	Cellagen™ Discs	24/pk	165.00
152317	For 6-Well Plates	48/pk	658.50

Cellagen™ Beads

Cellagen™ beads are prepared from bovine corium insoluble collagen by pepsin treatment. The collagen is then purified and formed into microsphere beads, approximately 100-400 µm. Since the Cellagen™ beads consist of collagen fibril, culture conditions greatly similar to those *in vivo* may be carried out. They have been used for the successful culturing of fibroblasts, epithelial cells, and osteoblasts. A protocol describing culture procedures is supplied with each order. They are made of 100% pure collagen, not just a collagen coated synthetic bead. Thus, no foreign substance or particle is introduced into the culture. A 15 ml size is approximately 3800 cm² (3 million beads).

Cat. No.	Description	Qty.	Price
152300	Cellagen™ Beads	15 ml	151.05

Cellagen™ Sheets

Custom cut Cellagen™ membrane sheets to fit any shape or size culture container of choice. Each sheet is 9 cm x 10 cm x 35 µm.

Cat. No.	Description	Qty.	Price
152399	Cellagen™ Sheet	1 each	571.15

Cellagen™ Solutions

Cellagen™ solutions are highly purified, ready-to-use, pyrogen-free Type I collagen solutions prepared especially for tissue culture applications. They may be used to prepare a collagen coating on plastic or glass culture dishes, or to prepare actual collagen gels for culture work. Since collagen is vital in cell culture for maintaining the physical function of cell support or attachment, the Cellagen™ solutions provide a convenient and efficient alternative for uniform coating of culture apparatus. As an example, the actual collagen "surface" which is formed has been shown to be highly effective in maintaining the albumin producing function of hepatocytes cultured on Cellagen™ coated labware. Cellagen™ solutions may also be used to form actual culture gels, and human fibroblasts cultured in these gels are able to condense the collagen to a corium-like structure by cell contraction. Currently, ICN offers eight different Cellagen™ solutions:



Labware

Cell Culture Supplies

Cellagen™ PC-3: A 0.3% pepsin solubilized collagen solution, pH 3.0.

Cellagen™ PC-5: A 0.5% pepsin solubilized collagen solution, pH 3.0.

Cellagen™ AC-3: A 0.3% acid solubilized collagen solution, pH 3.0.

Cellagen™ AC-5: A 0.5% acid solubilized collagen solution, pH 3.0.

Cellagen™ T-IV: A 0.3% acid solubilized collagen solution, pH 3.0.

Cellagen™ EMEM: A 0.2 % pepsin solubilized collagen/EMEM substrate, pH 7.4.

Cellagen™ Hanks': A 0.2% pepsin solubilized collagen/Hanks' substrate, pH 7.4.

Cellagen™ DMEM: A 0.2% pepsin solubilized collagen/DMEM substrate, pH 7.4.

Flowpore™ Syringe Filters



- Sterile
- Maximum Protein Recovery
- Ideal for Aqueous Samples
- No Cytotoxicity

ICN's Flowpore Syringe Filters are ideal for use in cell culture applications. The Modified Acrylic resin used in the filter housing is USP XXII Class VI plastics approved, and has passed all tests for cytotoxicity. This ensures that no cytotoxins which lead to cell death will leak from these filter housings. The acrylic resin will not discolor when sterilized.

Each syringe filter features a Cellulose Acetate Membrane, a very low protein binding membrane perfectly suited for aqueous based biological samples. They are an excellent choice when maximum protein recovery in the filtrate is critical, and they are well suited for the sterile filtration of tissue culture media and sensitive biological samples.

ICN's Flowpore™ Syringe Filters are supplied sterile and individually packaged. They are available in two pore sizes and each filter is 25 mm in diameter.

Cat. No.	Description	Qty.	Price
152391	Cellagen™ Solution PC-3	25 ml 100 ml	119.30 310.15
152392	Cellagen™ Solution PC-5	25 ml 100 ml	159.05 421.50
152393	Cellagen™ Solution AC-3	25 ml 100 ml	159.05 421.50
152394	Cellagen™ Solution AC-5	25 ml 100 ml	195.00 676.15
152395	Cellagen™ Solution T-IV	5 ml 25 ml	329.65 1264.50
152396	Cellagen™ Solution EMEM	20 ml	119.30
152397	Cellagen™ Solution Hanks'	20 ml	119.30
152398	Cellagen™ Solution DMEM	20 ml	119.30

Cat. No.	Description	Qty.	Price
6400104	0.22 µm	50/box	125.00
6400204	0.45 µm	50/box	78.75