

# PRODUCT CATALOG

2<sup>nd</sup> Edition

Your Partner for  
Cell Culture  
Products



**Omega**  
Scientific, inc.



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# Products

## Animal Serum

### Product Listing

Product #	Description	Storage Temp.	Volume	Price*
FB-01	Fetal Bovine Serum, USDA Approved	-20degC	500 mL	Call for Price
FB-02	Fetal Bovine Serum, Heat Inactivated	-20 degC	500 mL	Call for Price
FB-03	Fetal Bovine Serum, Dialyzed	-20 degC	100 mL 500 mL	\$75.00 \$325.00
FB-04	Fetal Bovine Serum, Charcoal/Dextran Treated	-20 degC	100 mL 500 mL	\$75.00 \$325.00
FB-05	Fetal Bovine Serum, ES Cell Treated	-20 degC	100 mL 500 mL	\$70.00 \$295.00
FB-06	Fetal Bovine Serum, Low IgG	-20 degC	500 mL	Call for Price
FB-09	Fetal Bovine Serum, Gamma Irradiated	-20 degC	100 mL 500 mL	\$75.00 \$350.00
FB-11	Fetal Bovine Serum, US Source	-20 degC	500 mL	\$255.00
FB-12	Fetal Bovine Serum, US Source, Heat Inactivated	-20 degC	500 mL	\$255.00
FB-15	Fetal Bovine Serum, TET Free	-20 degC	500 mL	\$295.00
NC-03	Newborn Calf Serum	-20 degC	100 mL 500 mL	\$15.00 \$45.00
BC-04	Bovine Calf Serum	-20 degC	100 mL 500 mL	\$10.00 \$40.00
IS-06	Bovine Calf Serum, Iron Supplemented	-20 degC	100 mL 500 mL	\$20.00 \$50.00

<b>DH-05</b>	Donor Horse Serum	-20 degC	100 mL	\$15.00
			500 mL	\$42.00
<b>DH-05A</b>	Agamma Horse Serum	-20 degC	500 mL	\$140.00
<b>DH-07</b>	Donor Horse Serum, Heat Inactivated	-20 degC	100 mL	\$15.00
			500 mL	\$42.00
<b>MS-07</b>	Mouse Serum	-20 degC	100 mL	\$250.00
<b>NG-11</b>	Goat Serum	-20 degC	100 mL	\$25.00
			500 mL	\$100.00

*\*Prices shown are based on quantities of 1-11 bottles. Please call for quote on 12 or more bottles.*

## Serum Treatments

Omega Scientific, Inc. offers a range of serum treatments. These are available as stock items for many types of animal sera. Others may be ordered on request.

- **Heat Inactivation:** Serum is heated to and maintained at a control temperature of 56 degrees Celsius for 30 minutes.
- **Dialyzed:** Serum is Dialyzed against physiological saline with a 10,000 molecular weight cutoff. The glucose level is monitored until it is less than 5.0 mg/dL. Exhaustive dialysis is not performed in order to prevent precipitation and inactivation of peptides.
- **Gamma Irradiated:** Serum is irradiated with a minimum dose of 2.5 megarads(25 kGy) in a cGMP facility.
- **Reduced IgG:** Omega offers two types of reduced IgG serum. Fetal Bovine Serum is processed by a proprietary chromatography method until the IgG level is less than 20ug/mL. The method does not remove any of the other serum proteins or growth factors. Processed serum is also screened for naturally low IgG concentration and labeled as such without the treatment from chemical filters.
- **Charcoal/Dextran Treated:** Fetal Bovine serum is treated to reduce the levels of hormones and steroids. Serum is stripped using 20g/L of charcoal, 1g/L Dextran, and 0.15M NaCl at 67mL/L until progesterone level is less than 0.2ng/mL. A hormone panel is performed pre and post treatment.
- **ES Cell Tested:** Processed serum is tested for the ability to maintain mouse embryonic stem cells in an undifferentiated state for 6 weeks.
- **TET Free:** Tetracycline, which is naturally present in serum, can interfere with Tetracycline-regulated gene expression systems. Omega Scientific screens various lots for undetectable TET levels and these are considered TET free

## Human Serum

### Human Serum Testing

Human Serum is collected from companies whose screening practices are believed to conform to all applicable FDA regulations. Specifically we are informed that each individual donor unit before pooling is tested and found negative for Hepatitis B (HBsAG), Hepatitis C (Anti-HCV) and Human Immunodeficiency Virus (HIV) antibodies. Final product is tested and found negative for (HBsAG), Hepatitis A and (HIV). Nevertheless, products of human origin should be considered potentially infectious and handled accordingly. All human donors are male.

### Product Listing

Product #	Description	Storage Temp.	Volume	Price*
HS-20	Human AB Serum	-20degC	100 mL	\$150.00
HS-30	Human Serum	-20 degC	100 mL	\$135.00

*\*Prices shown are based on quantities of 1-11 bottles. Please call for quote on 12 or more bottles.*

## Human Albumin

### Human Albumin Testing

Human Albumin has been manufactured starting from plasma units coming from the United States. These units have been analyzed and found non-reactive through the detection tests for Hepatitis B surface antigen (HBsAg), antibodies against human immunodeficiency viruses 1 and 2, HIV 1-2, and antibodies against Hepatitis C virus (HCV), using FDA licensed tests. Moreover, the pool of source plasma of fractionation from which the products come from has been analyzed and found non-reactive through the same techniques mentioned above.

### Product Listing

Product #	Description	Storage Temp.	Fill Size	Price*
AB-05	Human Albumin, 5% Solution, Therapeutic Grade	Room Temp.	50 mL	Call for Price
			100 mL	Call for Price
			250 mL	Call for Price
			500 mL	Call for Price
AB-20	Human Albumin, 20% Solution, Therapeutic Grade	Room Temp.	50 mL	Call for Price
			100 mL	Call for Price
AB-25	Human Albumin, 25% Solution, Therapeutic Grade	Room Temp.	50 mL	Call for Price
			100 mL	Call for Price

*\*Prices shown are based on quantities of 1-11 bottles. Please call for quote on 12 or more bottles.*

## Cell Culture Media

### Product Listing

Product #	Description	Storage Temp.	Fill Size	Price*
<b>RP-18</b>	RPMI 1640 Medium (1X) w/o L-Glutamine with 25mM Hepes	2 - 8degC	500 mL	\$17.50
			1000 mL	\$35.00
<b>RP-19</b>	RPMI 1640 Medium (1X) with L-Glutamine	2 - 8degC	500 mL	\$8.95
			1000 mL	\$15.95
<b>RP-20</b>	RPMI 1640 Medium (1X) w/o L-Glutamine	2 - 8degC	500 mL	\$8.95
			1000 mL	\$15.95
<b>DM-21</b>	DMEM Low Glucose (1000mg/L) w/o L-Glutamine	2 - 8degC	500 mL	\$8.95
			1000 mL	\$15.95
<b>DM-22</b>	DMEM High Glucose (4500mg/L) w/o L-Glutamine	2 - 8degC	500 mL	\$8.95
			1000 mL	\$15.95
<b>DM-25</b>	DMEM Ham's F-12 (1:1 ratio) w/o L-Glutamine	2 - 8degC	500 mL	\$19.95
<b>ME-23</b>	MEM Earle's Salts (1X) w/o L-Glutamine	2 - 8degC	500 mL	\$8.95
<b>PB-10</b>	PBS (10X) w/o Calcium & Magnesium	2 - 8degC	500 mL	\$12.00
<b>PB-24</b>	PBS (1X) w/o Calcium & Magnesium	2 - 8degC	500 mL	\$10.00
			1000 mL	\$20.00
<b>IM-25</b>	IMDM (1X) 25mM Hepes w/o L-Glutamine	2 - 8degC	500 mL	\$19.00
			1000 mL	\$38.00
<b>HB-10</b>	HBSS w/o Calcium & Magnesium	2 - 8degC	1000 mL	\$15.00

\*Prices shown are based on quantities of 1-11 bottles. Please call for quote on 12 or more bottles.

## Supplements & Antibiotics

### Product Listing

Product #	Description	Storage Temp.	Fill Size	Price*
AM-01	Ampicillin Sodium	-20degC	100 g	\$190.00
PS-20	Penicillin Streptomycin Solution 100X	-20degC	100 mL	\$9.95
			500 mL	\$52.95
PG-30	L-Glutamine Pen-Strep Solution 100X	-20degC	100 mL	\$14.95
AA-40	Antibiotic Antimycotic Solution 100X	-20degC	100 mL	\$13.95
GS-60	L-Glutamine Solution, 200mM	-20degC	100 mL	\$14.95
			500 mL	\$35.00
GT-10	Gentamicin Sulfate Solution 10 mg/mL in water	Room Temp.	6 x 25 mL	\$55.00
GT-50	Gentamicin Sulfate Solution 50 mg/mL in water	Room Temp.	6 x 25 mL	\$175.00
FG-70	Fungizone	-20degC	100 mL	\$14.95
HG-80	Hygromycin B	Room Temp.	100 mL	\$95.00
NE-01	Nonessential Amino Acids 10mM	Room Temp.	100 mL	\$9.95
SP-90	Sodium Pyruvate 100mM	2 - 8degC	100 mL	\$8.95
HB-20	Hepes Buffer 1M	2 - 8degC	100 mL	\$15.50
TE-91	Trypsin EDTA 1X	-20degC	100 mL	\$9.95
CB-01	Carbenicillin	2 - 8degC	5 g	\$95.00
CF-02	Cefotaxime	2 - 8degC	5 g	\$195.00
GT-03	Gentamicin	Room Temp.	5 g	\$75.00
GN-04	G-418 Sulfate	Room Temp.	5 g	\$225.00
PR-01	Puromycin	Room Temp.	100 mg	\$98.00

\*Prices shown are based on quantities of 1-11 bottles. Please call for quote on 12 or more bottles.

## Tips & Tubes – Pipetboy

### Pipetboy Description

PIPETBOY is ideal for use with all commercially available serological pipettes. Its rubber and silicone handle provides a safe and secure grip. It is durable, flexible and autoclavable, preventing contamination of the instrument. It is also color-coded, so there are no more mix-ups!

### Product Listing

Product #	Description	Price
155 000	Pipetboy, Classic	\$325.00
155 015	Pipetboy, Green	\$325.00
155 016	Pipetboy, Red	\$325.00
155 017	Pipetboy, Blue	\$325.00
155 018	Pipetboy, Transparent	\$325.00
155 019	Pipetboy, Purple	\$325.00
153 005	9v NiMH Battery	\$30.00
153 015	Filter Sterile, 0.45µm 10 per pack	\$47.00



## Tips & Tubes – Aerosol Barrier Tips

### Product Listing

Product #	Description	Price
1502	Aerosol Tips 0.5-10 $\mu$ L working volume (For Eppendorf Pipettors) Sterile, Racked 960/pack	\$65.00
1508	Aerosol Tips 0.1-10 $\mu$ L working volume Sterile, Racked, Universal Fit 960/pack	\$65.00
1421	Aerosol Tips 1-30 $\mu$ L working volume Sterile, Racked, Universal Fit 960/pack	\$65.00
1422	Aerosol Tips 5-200 $\mu$ L working volume Sterile, Racked, Universal Fit 960/pack	\$65.00
3051	Aerosol Tips 5-300 $\mu$ L working volume Sterile, Racked, Universal Fit 930/pack	\$65.00
1420	Aerosol Tips 200-1000 $\mu$ L working volume Sterile, Racked, Universal Fit 1000/pack	\$65.00

## Tips & Tubes – Gel Loading Tips

### Product Listing

Product #	Description	Price
1376	Flat Gel Tip 0.37mm OD Natural, Flat End Tips, Racked 200/rack, 4 racks per case	\$115.00
1735	Flat Gel Tip 0.1-10 $\mu$ L 0.17mm OD Natural, Flat End Tips, Racked 200/rack, 4 racks per case	\$159.00

<b>1379</b>	Round Gel Tip 0.57mm OD Natural, Racked 200/rack, 4 racks per case	\$69.00
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## Tips & Tubes – Liquid Handling Plastics

### Product Listing

Product #	Description	Price
<b>1505</b>	Natural Tips 0.1-10µL, Bulk Universal Fit, Beveled 1000/pack, 10 packs per case	\$129.00
<b>1503</b>	Natural Tips 0.1-10µL, Racked Universal Fit, Beveled 960/pack, 5 packs per case	\$139.00
<b>1504</b>	Natural Tips 0.1-10µL, Racked, Sterile Universal Fit, Beveled 960/pack, 5 packs per case	\$149.00
<b>2221</b>	Natural Tips 0.5-10µL, Racked, Sterile For Eppendorf, Beveled 1000/pack, 5 packs per case	\$155.00
<b>2222</b>	Natural Tips 0.5-10µL, Racked For Eppendorf, Beveled 1000/pack, 5 packs per case	\$145.00
<b>1531</b>	Yellow Tips 1-200µL, Bulk Universal Fit, Beveled 1000/pack, 10 packs per case	\$105.00
<b>1532</b>	Yellow Tips 1-200µL, Racked Universal Fit, Beveled 960/pack, 5 packs per case	\$115.00
<b>1533</b>	Yellow Tips 1-200µL, Racked, Sterile Universal Fit, Beveled 960/pack, 5 packs per case	\$125.00
<b>UY0200-MS</b>	Yellow Tips 1-200µL, Beveled Universal Fit, Stacked Racked Saves space, 5 layers of 96 tips per stack.	\$89.00

<b>UY0200-MSS</b>	Yellow Tips 1-200µL, Beveled, Sterile Universal Fit, Stacked Racked Saves space, 5 layers of 96 tips per stack.	\$105.00
<b>3003</b>	Yellow Tips 1-200µL, Starter Kit Quickshot Reloading System Universal Fit, Beveled 1 magazine & 10 empty racks per kit	\$49.00
<b>3025</b>	Yellow Tips 1-200µL, Magazine Quickshot Reloading System Universal Fit, Beveled 960 tips/magazine, 10 magazines per case	\$210.00
<b>3046</b>	Yellow Tips 1-200µL, Magazine Quickrack Reloading System Universal Fit, Beveled 960 tips/magazine, 10 magazines per case	\$90.00
<b>1004</b>	Blue Tips 200-1000µL, Bulk Universal Fit 1000/pack, 10 packs per case	\$120.00
<b>1008</b>	Blue Tips 200-1000µL, Racked Universal Fit 1000/pack, 5 packs per case	\$129.00
<b>1013</b>	Blue Tips 200-1000µL, Racked, Sterile Universal Fit 1000/pack, 5 packs per case	\$145.00

## Tips & Tubes – Microcentrifuge Tubes

### Product Listing

Product #	Description	Price
<b>1151</b>	Microcentrifuge Tube, 1.7mL Graduated, Flat Top Natural, Boilproof 500/pack, 10 packs per case	\$109.00
<b>1115</b>	Microcentrifuge Tube, 0.65mL, Natural 1000pack Graduated, Flat Top Natural, Boilproof	\$215.00

	1000/pack, 10 packs per case	
<b>1121</b>	Microcentrifuge Tube, 0.65mL, Rainbow 1000pack Graduated, Flat Top Rainbow, Boilproof 1000/pack, 10 packs per case	\$220.00
<b>1159</b>	Microcentrifuge Tube, 0.65mL, Rainbow 500pack Graduated, Flat Top Rainbow, Boilproof 500/pack, 10 packs per case	\$119.00

## Tips & Tubes – Ultra PCR Products

### Product Listing

Product #	Description	Price
<b>1516</b>	Ultra PCR Tubes, 0.65mL Thin-Wall, Natural RNase/DNase Free 1000/pack, 10 packs per case	\$299.00
<b>1695</b>	Ultra PCR Tubes, 0.2mL Thin-Wall, Natural RNase/DNase Free 1000/pack, 10 packs per case	\$299.00
<b>1633</b>	Ultra Strip PCR Tubes, 0.2mL Thin-Wall, Natural, with caps RNase/DNase Free 8 tubes/strip, 5 bags of 24 strips per case	\$89.00



# CELLine Flasks

## CELLine Flasks

CELLine Two-Compartment Disposable Bioreactors are manufactured from optically clear virgin polystyrene with a gas transfer bottom made of a molded silicone membrane providing a 0.2 µm vent barrier. The compartments are separated by a 10 kDa semi-permeable cellulose acetate membrane and individually pressure tested for integrity. The bioreactors are easily stackable owing to specific stabilization interlocks, packed individually in easy to open medical-grade blister packaging, sterilized by gamma irradiation and non-pyrogenic.

### Product Listing

Product #	Description	Price
90010	CELLine CL 350 Flasks 350 mL media volume, 5 mL culture volume 5 flasks per case	\$779.00
90005	CELLine CL 1000 Flasks 1000 mL media volume, 15 mL culture volume 3 flasks per case	\$568.00
90025	CELLine AD 1000 Flasks 1000 mL media volume, 15 mL culture volume 3 flasks per case	\$536.00



## Gloves – Aloetouch Gloves

### Product Listing

Product #	Description	Sizes	Price
<b>MDS19508_</b>	Aloetouch Nitrile Gloves 100/box, 10 boxes per case	XS, S, M, L, XL	\$99.50
<b>CUR815_</b>	Curad Aloetouch Powder-Free Latex Gloves 100/box, 10 boxes per case	XS, S, M, L, XL	\$78.00

## Gloves – Microflex Gloves

### Product Listing

Product #	Description	Sizes	Price
<b>CT144</b>	Color Touch Latex, Low-Powder 100/box, 10 boxes per case	S, M, L	\$69.00
<b>MF300</b>	Diamond Grip Latex, Powder-Free 100/box, 10 boxes per case	XS, S, M, L, XL	\$89.00
<b>DGP350</b>	Diamond Grip Plus Latex, Powder-Free 100/box, 10 boxes per case	XS, S, M, L, XL	\$80.00
<b>1695</b>	Evolution One Powder-Free, Protein Rated 100/box, 10 boxes per case	XS, S, M, L, XL	\$89.00
<b>NP144</b>	Neopro Chloroprene, Powder Free 100/box, 10 boxes per case	XS, S, M, L, XL	\$100.00
<b>NO123</b>	Nitron One Nitrile, Low Powder 100/box, 10 boxes per case	XS, S, M, L, XL	\$80.00
<b>PG199</b>	Power Grip Latex, Low Powder 100/box, 10 boxes per case	XS, S, M, L, XL	\$65.00

<b>SP690</b>	Supreno Nitrile, Powder-Free 100/box, 10 boxes per case	XS, S, M, L, XL	\$100.00
<b>SY911</b>	Synetron Latex, Powder Free 50/box, 10 boxes per case	S, M, L, XL	\$105.00
<b>SP690</b>	Ultra One Latex, Powder Free 100/box, 10 boxes per case	S, M, L, XL	\$105.00

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# Quality Sera

## Quality Control

Quality Control verifies that operations, processes, finished product testing, component testing, and release mechanisms are maintained in compliance with Current Good Manufacturing Practices (cGMP's). Personnel are well qualified and fully trained in all procedures and the manufacturing facility is designed to efficiently facilitate processes in a controlled environment. All documentation is maintained and reviewed by Quality Assurance.

## Collection

Blood is collected at a United States Department of Agriculture (USDA) approved facility from animals examined by a qualified veterinarian pre-mortem and are USDA inspected post-mortem. Collection by cardiac puncture and venipuncture is done directly into bags using proprietary aseptic processing techniques. An alternative technique is by abattoir open collection where processing eliminates the use of bags. The bags are constructed of materials that meet USP Class VI requirements for plastic components. Only serum from disease free animals is processed. Donor animal sera are collected from veterinarian inspected controlled herds.

## Processing

Prior to pooling, serum is routinely screened for Endotoxin and Hemoglobin and only that which meets our stringent criteria is released for processing. The serum pool is clarified through a series of varying porosity filters to 0.2 micron, and in the case of Fetal Bovine Serum, an additional triple 0.1 micron. During processing the serum temperature is maintained at 2-8 degrees C. Sterile filtration is in a class 100 environment and the finished product is immediately frozen and stored at -20 degrees C or below.

# Final Product Quality Control

## Mycoplasma

Screened for the presence of Mycoplasma by the large volume procedure, CFR Title 9 part 113.28, and the fluorescent DNA staining method using Hoechst stain.

## Bacteriophage

Screened by plaque assay using two Susceptible host strains of E. coli.

## Viral Testing

Sera are tested according to CFR 9 part 113.46-53

## Hemoglobin

Reported in mg/dl (mg%)

## Protein Electrophoresis

Characteristic protein electrophoretic profile.

## Sterility

Final fill samples are taken using a statistical sampling plan and handled aseptically according to CFR Title 21 part 113.26 and USP XXII.

## Growth Promotion

Cell growth promotion is routinely performed on each lot of serum and media.

## Endotoxin

The level of endotoxin present is determined by the Limulus Amebocyte Lysate (LAL) gel clot assay, according to the method described by Associates of Cape Cod.

## Certificate of Analysis

A Certificate of Analysis is available for each lot of product, which summarizes the Quality Control test data.