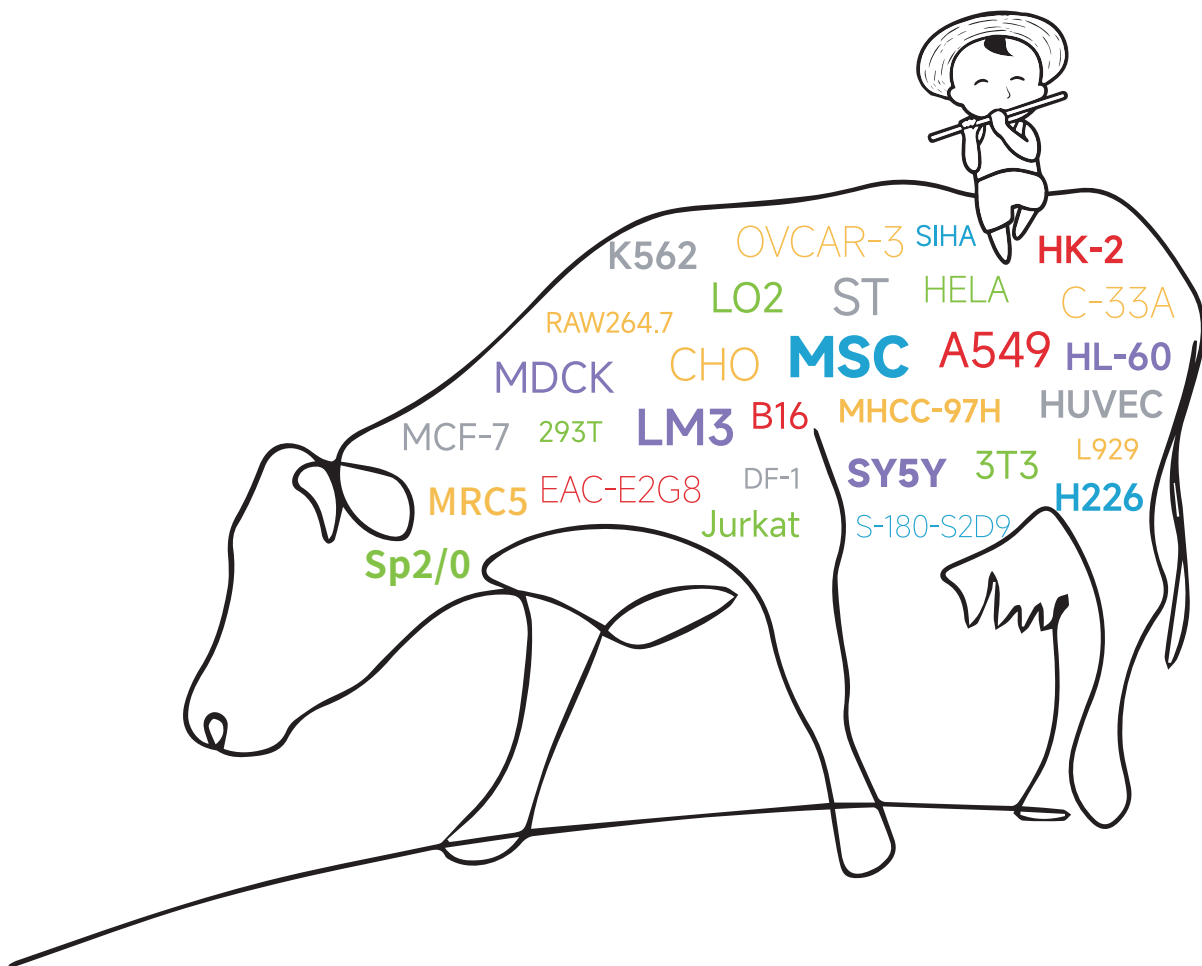


CELL CULTURE PRODUCTS

SCIENCE ORIENTED



Shanghai XP Biomed Ltd.



CONTENTS

VivaCell Series Products

01. Bovine Serum	P02
Other Animal Serum	
02. Complete Medium	P05
Liquid Basal Medium	
Liquid Buffer	
03. Antibiotics & Disinfectants	P11
04. Cell Auxiliary Solutions	P14
05. Cell Dissociation	P15
& Preservation Reagents	
06. Serum Free Medium & Supplements	P17
07. Cell and Gene Therapy (CGT)	P18
Media & Supplements	
Molecular Biological Reagents	
08. Cytogenetic Products	P19
09. VivaCell mSRCgel	P21

VivaCell Series Products



**20 Years +
Focus on CELL BIOLOGY**

XP Biomed Ltd. was established in 2005, and the “VivaCell®” brand was created in 2012, to “cheer the wellbeing of cell biology brought to the world. VivaCell® covers a full range of bovine sera, classical basal media, cytogenetic karyotyping media, and related ancillary reagents, such as cell dissociation reagents, contamination control reagents and so on.

All VivaCell® products are manufactured in a GMP compliant, ISO 13485 certified facility. We take pride in providing high quality products for our partners across the globe, making sure consistent results can be achieved throughout experiments. Super Low Endotoxin (SLE® grade) products are meticulously manufactured for Cell & Gene Therapy users. Our Dr.Cell® brand provides a range of services, such as cell authentication STR, species identification, sterility test, cell senescence and exosome verification experiments- NTA, TEM, WB etc. to ensure all materials are correctly used and verified.

01/ Bovine Serum



■ Global source with stringent criteria

Complete supply chain traceability
Material sourced from OIE declared BSE/TSE free regions.

■ Strict process and quality control

3 times 0.1µm filtration
Complete physical, Chemical, Biochemical and Microbiological Tests
6 cell lines performance tests

Bestsellers



Certified Fetal Bovine Serum - Premium

Suitable for various cancer cell lines, embryonic cells, leukemia cells, fibroblasts, melanoma cells, macrophages and some primary cells.



Fetal Bovine Serum - Select

Excellent proliferation performance, suitable for the most commonly used cell lines; low lot-to-lot variations; Multiple viruses/mycoplasma/sterility test; Low endotoxin.



Certified Fetal Bovine Serum - Gold, Qualified for Embryonic Stem Cells

Suitable for culturing induced pluripotent stem cells, embryonic stem cells, human and mouse stem cells, adult stem cells and primary cells for extended period of time without losing their capacity to differentiate in vitro.



Certified Fetal Bovine Serum - Gold, Qualified for Mesenchymal Cells

Specific batches were screened from multiple batches of fetal bovine serum, and the cell activity of MSC is strictly tested. Through passage and differentiation ratio test, it can be used to cultivate MSC cells from different sources (umbilical cord, fat, bone marrow, dental pulp or placenta, etc.), and maintaining their unrestricted multipotency.

Bovine Serum Products

Product	Size	P/N		
Fetal Bovine Serum	Certified Fetal Bovine Serum - Premium	500 ml 50 ml 50 ml*10 bt/box	C04001-500 C04001-050 C04001-050X10	
	Fetal Bovine Serum	500 ml	C2910-0500	
	Certified Fetal Bovine Serum - Gold, Qualified for Mesenchymal Cells	500 ml 50 ml 50 ml*10 bt/box	C04400-500 C04400-050 C04400-050X10	
	Certified Fetal Bovine Serum - Gold, Qualified for Embryonic Stem Cells	500 ml 50 ml 50 ml*10 bt/box	C04002-500 C04002-050 C04002-050X10	
	Fetal Bovine Serum-Select	500 ml 50 ml 50 ml*10 bt/box	C2880-0500 C2880-0050 C2880-0050X10	
	Certified Gold Fetal Bovine Serum-Australia Origin	500 ml 50 ml 50 ml*10 bt/box	C2820-0500 C2820-0050 C2820-0050X10	
	Certified Gold Fetal Bovine Serum-New Zealand Origin	500 ml 50 ml 50 ml*10 bt/box	C2830-0500 C2830-0050 C2830-0050X10	
	Other Bovine Serum	Adult Bovine Serum	500 ml	C2610-0500
		Newborn Calf Serum	500 ml 100 ml	C2620-0500 C2620-0100
		Neonatal Calf Serum	500 ml 100 ml	C2630-0500 C2630-0100
Specially Processed Serum	Certified Fetal Bovine Serum Qualified for Tetracycline Regulated Systems	500 ml 50 ml 50 ml*10 bt/box	C2720-0500 C2720-0050 C2720-0050X10	
	Certified Fetal Bovine Serum Qualified for Low IgG	500 ml 50 ml 50 ml*10 bt/box	C2730-0500 C2730-0050 C2730-0050X10	
	Exosome Depleted Fetal Bovine Serum	500 ml 50 ml 50 ml*10 bt/box	C3801-0100 C3801-0050 C3801-0050X10	
	Dialyzed Fetal Bovine Serum	500 ml 50 ml 50 ml*10 bt/box	C3820-0500 C3820-0050 C3820-0050X10	
	Charcoal Stripped Fetal Bovine Serum	500 ml 50 ml 50 ml*10 bt/box	C3830-0500 C3830-0050 C3830-0050X10	

Product	Size	P/N	
Specially Processed Serum	Lipid Depleted Fetal Bovine Serum	500 ml 50 ml 50 ml*10 bt/box	C3840-0500 C3840-0050 C3840-0050X10
	Certified Fetal Bovine Serum Heat Inactivated	500 ml 50 ml	C04001-500HI C04001-50HI
	Certified Fetal Bovine Serum Qualified for Human Embryonic Stem Cell Heat Inactivated	500 ml	C04002-500HI
	Certified Fetal Bovine Serum Qualified for Tetracycline Regulated Systems Heat Inactivated	500 ml	C2720-0500HI
	Newborn Calf Serum Heat Inactivated	500 ml	C2620-0500HI

Other Animal Serum Products

Product	Size	P/N	
Specially Processed Serum	Porcine Serum	1000 ml 500 ml	C2500-1000 C2500-0500
	Horse Serum	500 ml 100 ml	C2510-0500 C2510-0100
	Rabbit Serum	100 ml	C2520-0100
	Goat Serum	100 ml	C2530-0100
	Donkey Serum	500 ml 100 ml	C2540-0500 C2540-0100
	Chicken Serum	100 ml	C2550-0100
	Mouse Serum	100 ml 50 ml	C2560-0100 C2560-0050
	Rat Serum	100 ml 50 ml	C2570-0100 C2570-0050
	Horse Serum Heat Inactivated	500 ml	C2510-0500HI

Remarks: VivaCell can provide gamma irradiation and heat inactivation for whole line of serum products.

★ More products to come !!!

02/ Complete Medium Liquid Basal Medium Liquid Buffer



Complete Medium

Ready-to-use
Comprehensive nutrition
Specific cell type tested.

Liquid Basal Medium

Full range of classical liquid medium
Full disclosure of ingredient list
Formulation and packaging customization (100ml~20L)
Cell culture performance tested

Liquid Buffer

Ready-to-use
Made from China/US/EU pharmacopeia qualified ingredients and HPW (Highly Purified Water)
0.2/0.1 μm filtered

Complete Medium Product

Product	Size	P/N	
Complete Medium	Endothelial Cell Complete Medium	500 ml	C3660-0500
		100 ml	C3660-0100
	Epithelial Cell Complete Medium	500 ml	C3650-0500
		100 ml	C3650-0100
	Expander Complete Single Cell Culture Medium	500 ml	C3670-0500

Liquid Basal Medium

Product	Size	P/N	
RPMI 1640	RPMI 1640, with L-Alanyl-L-Glutamine	500 ml	C3001-0500
	RPMI 1640, with L-Glutamine	500 ml	C3010-0500
	RPMI 1640, with L-Glutamine, SLE Grade	500 ml	C3011-0500
	RPMI Medium 1640, w/o D-Glucose, w/o L-Glutamine	500 ml	C3015-0500
	RPMI Medium 1640, w/o Phenol Red, w/o L-Glutamine	500 ml	C3016-0500
	RPMI Medium 1640, w/o L-Glutamine	500 ml	C3017-0500
	RPMI Medium 1640, with 25mM Hepes, with L-Glutamine	500 ml	C3018-0500
	RPMI Medium 1640, w/o Phenol Red, with L-Glutamine	500 ml	C3019-0500
MEM-E	Minimum Essential Medium Eagle,(MEM-E), with Earle's salts and L-Glutamine, w/o NEAA	500 ml	C3050-0500
	Minimum Essential Medium Eagle,(E-MEM), with Earle's salts and L-Alanyl-L-Glutamine, without NEAA	500 ml	C3051-0500
	Minimum Essential Medium (MEM), Earle's Salts Base, with Non-Essential Amino Acids, w/o L-Glutamine	500 ml	C3053-0500
	Minimum Essential Medium (MEM), Earle's Salts Base, with Non-Essential Amino Acids, L-Glutamine	500 ml	C3054-0500
MEM- α	Minimum Essential Medium-Alpha (MEM- α), w/o Ascorbic acid, Ribonucleosides, Deoxyribonucleosides, Phenol red, with L-Alanyl-Glutamin, SLE Grade	500 ml	C3003-0500
	Minimum Essential Medium Alpha (MEM- α), with L-Glutamine, w/o Ribonucleosides, Deoxyribonucleosides	500 ml	C3060-0500
	Minimum Essential Medium Alpha (MEM- α), with L-Glutamine, w/o Ribonucleosides, Deoxyribonucleosides, SLE Grade	500 ml	C3061-0500
	Minimum Essential Medium Alpha (MEM- α), with L-Glutamine, w/o Ribonucleosides, Deoxyribonucleosides, Phenol red	500 ml	C3062-0500
	Minimum Essential Medium Alpha (MEM- α), with L-Glutamine, w/o Ribonucleosides, Deoxyribonucleosides, w/o Phenol red, SLE Grade	500 ml	C3063-0500
	Minimum Essential Medium Alpha (MEM- α), w/o Ascorbic acid, with L-Glutamine, with Ribonucleosides, Deoxyribonucleosides	500 ml	C3064-0500

Product		Size	P/N
MEM- α	Minimum Essential Medium Alpha (MEM- α), w/o Ascorbic acid, Ribonucleosides, Deoxyribonucleosides, with L-Alanyl-Glutamine, Phenol red	500 ml	C3065-0500
L-15	Leibovitz's L-15 Medium, with L-Glutamine	500 ml	C3070-0500
	Leibovitz's L-15 Medium with L-Glutamine, w/o Sodium bicarbonate, Phenol Red	500 ml	C3071-0500
	Leibovitz's L-15 Medium, with L-Alanyl-L-Glutamine	500 ml	C3072-0500
DMEM - Hi Glucose	Dulbecco' s Modified Eagle Medium (DMEM), with 4.5g/L D-Glucose (High Glucose), with L-Alanyl-L-Glutamine, w/o Sodium Pyruvate	500 ml	C3101-0500
	Dulbecco's Modified Eagle Medium (DMEM), with 4.5g/L D-Glucose (High Glucose), with L-Alanyl-L-Glutamine, with Sodium Pyruvate	500 ml	C3103-0500
	Dulbecco' s Modified Eagle Medium (DMEM), with 4.5g/L D-Glucose (High Glucose), with L-Glutamine, w/o Sodium Pyruvate	500 ml	C3110-0500
	Dulbecco' s Modified Eagle Medium (DMEM), With 4.5g/L D-Glucose (High Glucose), with L-Glutamine, w/o Sodium Pyruvate, w/o Phenol Red	500 ml	C3112-0500
	Dulbecco's Modified Eagle Medium (DMEM), with 4.5g/L D-Glucose (High Glucose), with L-Glutamine, with Sodium Pyruvate	500 ml	C3113-0500
	Dulbecco's Modified Eagle Medium (DMEM), with 4.5g/L D-Glucose (High Glucose), with L-Glutamine, with Sodium Pyruvate, SLE Grade	500 ml	C3114-0500
	Dulbecco's Modified Eagle Medium (DMEM), High Glucose, w/o Sodium Pyruvate, w/o L-Glutamine	500 ml	C3115-0500
	Dulbecco Modified Eagle Medium (DMEM) 2X Conc., High Glucose, w/o L-Glutamine, w/o Sodium Pyruvate, w/Sodium Bicarbonate	500 ml	C3117-0500
	Dulbecco Modified Eagle Medium (DMEM), High Glucose, w/o L-Glutamine, Sodium Pyruvate, Phenol red	500 ml	C3118-0500

Product	Size	P/N	
DMEM - Low Glucose	Dulbecco's Modified Eagle Medium (DMEM), with 1g/L D-Glucose (Low Glucose), with L-Glutamine, with Sodium Pyruvate	500 ml	C3120-0500
	Dulbecco's Modified Eagle Medium (DMEM), with 1g/L D-Glucose (Low Glucose), with L-Alanyl-L-Glutamine, Sodium Pyruvate	500 ml	C3121-0500
DMEM - No Glucose	Dulbecco's Modified Eagle Medium (DMEM), w/o D-Glucose, Sodium Pyruvate, L-Glutamine	500 ml	C3122-0500
	Dulbecco's Modified Eagle Medium (DMEM), w/o D-Glucose, Sodium Pyruvate, L-Glutamine, Phenol Red	500 ml	C3123-0500
DMEM: F12	Dulbecco's Modified Eagle Medium (DMEM): Nutrient Mixture F-12(Ham's)(1:1) , with L-Glutamine and Sodium Pyruvate, with 15mM HEPES	500 ml	C3130-0500
	Dulbecco's Modified Eagle Medium (DMEM): Nutrient Mixture F-12 (Ham's) (1:1) with L-Glutamine and Sodium Pyruvate, with 15mM HEPES, SLE Grade	500 ml	C3131-0500
	Dulbecco's Modified Eagle Medium (DMEM): Nutrient Mixture F-12 (Ham's) (1:1) with L-Glutamine, sodium Pyruvate, w/o HEPES	500 ml	C3132-0500
	Dulbecco's Modified Eagle Medium (DMEM): Nutrient Mixture F-12 (Ham's) (1:1) with L-Glutamine, sodium Pyruvate, 15mM HEPES, w/o Pheno red	500 ml	C3133-0500
	Dulbecco's Modified Eagle Medium (DMEM): Nutrient Mixture F-12 (Ham's) (1:1) with L-Alanyl-L-Glutamine and Sodium Pyruvate , with Hepes 15mM	500 ml	C3137-0500
Insect Cell Basal Medium	Grace's Insect Medium	500 ml	C3150-0500
	Schneider's Drosophila Medium, with L-Glutamine	500 ml	C3160-0500
Other Classical Basal Medium	Nutrient Mixture F-12 (Ham's), with L-Glutamine	500 ml	C3134-0500
	Nutrient Mixture F-12 (Ham's), w/o L-Glutamine	500 ml	C3136-0500
	MCDB-153 (Modified), with L-Glutamine	500 ml	C3170-0500
	Waymouth's MB 752/1 Medium	500 ml	C3175-0500
	TransfMEM- α Reduced Serum Medium	500 ml	C3310-0500
	McCoy's 5A Medium (Modified), with L-Glutamine	500 ml	C3020-0500
McCoy's 5A Medium (Modified), with L-Alanyl-L-Glutamine	500 ml	C3021-0500	

Product	Size	P/N	
Other Classical Basal Medium	Medium M-199 (M199), Earle's Salts Base, with L-Glutamine	500 ml	C3030-0500
	Medium 199 with HBSS, L-Glutamine	500 ml	C3031-0500
	Medium 199 With HBSS, HEPES, L-Glutamine and Sodium Bicarbonate	500 ml	C3032-0500
	Medium 199, 10X Conc. With EBSS, w/out L-Glutamine, Sodium Bicarbonate	500 ml	C3035-0500
	Iscove's Modified Dulbecco's Medium (IMDM), with L-Glutamine, w/o Alpha-Thioglycerol, Beta-Mercaptoethanol	500 ml	C3040-0500
	Iscove's Modified Dulbecco's Medium (IMDM), with L-Alanyl-L-Glutamine, without Phenol Red	500 ml	C3041-0500

Liquid Buffer

Product	Size	P/N	
HBSS	Hanks' Balanced Salt Solution	500 ml	C3570-0500
	Hanks' Balanced Salt Solution, w/o Calcium and Magnesium, w/o Phenol Red	500 ml	C3571-0500
	Hanks' Balanced Salt Solution, with Calcium and Magnesium without Phenol Red	500 ml	C3572-0500
	Hanks' Balanced Salt Solution, without Calcium and Magnesium, with Phenol Red	500 ml	C3573-0500
PBS	Phosphate Buffered Saline (PBS), w/o Calcium and Magnesium	500 ml	C3580-0500
	Phosphate Buffered Saline (PBS), w/o Calcium and Magnesium, SLE Grade	500 ml	C3581-0500
	Phosphate Buffered Saline (PBS), 10X Conc., w/o Calcium and Magnesium	500 ml	C3582-0500

Product	Size	P/N	
DPBS	Dulbecco's Phosphate Buffered Saline (DPBS), w/o Calcium and Magnesium	500 ml	C3590-0500
	Dulbecco's Phosphate Buffered Saline (DPBS), w/o Calcium and Magnesium, SLE Grade	500 ml	C3591-0500
	Dulbecco's Phosphate Buffered Saline (DPBS), 10X Conc., w/o Calcium and Magnesium	500 ml	C3592-0500
	Dulbecco's Phosphate Buffered Saline (DPBS), with Calcium and Magnesium, w/o Phenol Red	500 ml	C3593-0500
	Dulbecco's Phosphate Buffered Saline (DPBS), 20X Conc., w/o Calcium and Magnesium	500 ml	C3594-0500
Others	HEPES Buffer Solution, pH 7.3 at 37°C, 1.0 Molar	100 ml	C3544-0100
	Earle's Balanced Salt Solution	500 ml	C3548-0500
	Earle's Balanced Salt Solution, with Calcium and Magnesium with Phenol Red	500 ml	C3549-0500
	Ethylenediaminetetraacetic Acid (EDTA) Disodium Salt Solution, 0.05% in DPBS	100 ml	C3550-0100
	Water, Cell Culture Grade, SLE Grade	500 ml	C3560-0500
	Highly Purified Water (DNase and RNase-free), SLE Grade, NTA Passed	500 ml	C3562-0500

★ More products to come !!!

03/Antibiotics & Disinfectants



Guardians of “Cellaxy” Prevention, Detection and Treatment of Microbial Contamination

Bestsellers

Antibiotics are natural metabolites from bacterial origin, that are used to treat bacterial or fungal infection by selective inhibition.

The mechanism of action includes:

- Inhibition of cell wall synthesis;
- Inhibition of Nucleic Acid Synthesis;
- Inhibition of Protein synthesis;
- Inhibition or interference of microtubule function.

VivaCell microbial prevention and treatment antibiotics, includes single, double and triple ingredients with verified efficacy. Use with caution, high concentration of antibiotics can lead to cell toxicity and performance change.



Penicillin-Streptomycin Solution (P/N: C3420)

- ★ Broad spectrum bactericidal activity
- ★ Most commonly used antibiotics for cell culture



Amphotericin B Solution (P/N: C3430)

- ★ Wide antifungal spectrum
- ★ High antifungal activity

Mycoplasma is a notorious cell culture contaminant that can often escape notification. It can affect cell morphology, growth behavior and gene expression unnoted. DNA and RNA extracted from contaminated culture, might contain up to 30~50 % from mycoplasma origin.

VivaCell offers a combination of antibiotics, which have been demonstrated effectively in the elimination of mycoplasma species that accounted for 90% of the contamination found in cell cultures. When used under instructions, no cytotoxic effects will occur.



Mycoplasma removal reagents

MycoNator™ -1, -2 are generally used sequentially in combination MycoNator™ -3 . Many mycoplasma species have been found to be sensitive to MycoNator™ -3, such as *A. laidlawii*, *M. orale*, *M. hyorhinis*.

- ★ 0.1 µm Sterile filtered
- ★ Eliminate mycoplasma pollution without dead ends

VivaCell provides high-performance disinfectant solutions for incubators and sterile benches used in cell culture and molecular biology laboratories, helping to prevent microbial contamination.



Pharmacidal, for disinfecting surfaces (P/N: C3490)

Pharmacidal is non-toxic and biodegradable. It has also been found to be compatible with common work surfaces.

- ★ Prevent fungi(spores), bacteria(spores), mycoplasma and viruses (including HIV and HBV)
- ★ Biodegradable, non-toxic, non-irritating and non-corrosive to most surfaces & equipment.



AkouGuard™-1, Disinfection solution for water tray in CO₂ incubators (P/N: C3480)

- ★ Broad-spectrum antibacterial activity. Use after dilution, non-corrosive to stainless steel.
- ★ Non-volatile and extremely effective.

Antibiotics and Disinfectant

Antibiotic series

Product	Size	P/N	Antimicrobial spectrum		
			G(+)Bacteria	G(-)Bacteria	Fungi
Penicillin-Streptomycin Solution	100 ml	C3420-0100	√	√	
Penicillin-Streptomycin Solution, 10X Conc.	100 ml	C3421-0100	√	√	
Penicillin-Streptomycin Nystatin Solution	100 ml	C3422-0100	√	√	√
Penicillin-Streptomycin Amphotericin B Solution	100 ml	C3423-0100	√	√	√
Penicillin-Streptomycin Neomycin Solution	100 ml	C3424-0100	√	√	
Amphotericin B Solution	100 ml	C3430-0100			√
Nystatin Suspension	20 ml	C3440-0020			√
Gentamycin Sulfate Solution	100 ml	C3450-0100			√
Kanamycin Sulphate Solution	100 ml	C3460-0100			√

Mycoplasma clearance reagent

Product	Size	P/N
MycNator™-1 Antibiotic Solution 100X Conc.	20 ml	C3470-0020
MycNator™-2 Antibiotic Solution 100X Conc.	20 ml	C3471-0020
MycNator™-3 Antibiotic Solution 100X Conc.	100 ml	C3472-0100
	20 ml	C3472-0020
	10 ml	C3472-0010

Preventive reagents/others

Product	Size	P/N
Akouguard-1, Water tray in CO ₂ incubators Disinfection Solution	100 ml	C3480-0100
Akouguard-2, Water bath Disinfecting Solution	500 ml	C3481-0500
	50 ml	C3481-0050
Pharmacidal, for disinfecting surfaces	1 L	C3490-1000
	100 ml	C3490-0100

04/ Cell Auxiliary Solutions



Mesenchymal stromal cells osteogenic/adipogenic/chondrogenic staining kit is a product, which can be used for the staining of fat, bone cells and chondrocytes after the differentiation of mesenchymal stem cells into fat, bone and cartilage.

Cell Auxiliary Solutions

Product	Size	P/N
Adipo-dye for adipocytes staining kit in adipogenic differentiation	150 ml	C37A0-0150
Chondro-dye for chondrocytes staining kit in chondrogenic differentiation	150 ml	C37B0-0150
Osteo-dye for osteocytes staining kit in osteogenic differentiation	150 ml	C37C0-0150
Trypan Blue Solution, 4mg/ml in Saline	100 ml	C3730-0100
Gelatin Solution (0.1%)	100 ml	C3260-0100

05/ Cell Dissociation & Preservation Reagents



Bestsellers

VivaCell provides animal origin, non-animal origin trypsin and also non-enzymatic cell dissociation solution to suit different experimental and regulatory requirements.



Recombinant Trypsin EDTA Solution (P/N: C3536)

- Small batch difference and high purity
- No animal source, no risk of virus and mycoplasma pollution

The development of cell cryopreservation solution has evolved to animal component free (without serum or BSA) and protein free formulation. And cell viability and adhesion percentage of frozen cell also increased significantly to lessen the later cell expansion or CGT workload.

All our Cell Cryopreservation Solutions are suitable for both serum and non-serum cultured condition cells, with low endotoxin level.



Cell Cryopreservation Solution 3 (P/N: C3525/C3526)

- Small batch differences
- Low endotoxin, no pollution
- High cell survival rate

Cell Dissociation & Preservation

Product		Size	P/N
Tissue Digestive Mix-I	Tissue Digestive Mix-I	100 ml	C3502-0100
		20 ml	C3502-0020
	Cell Dissociation Solution (non-enzymatic)	100 ml	C3505-0100
Cell Cryopreservation Solution	Cell Cryopreservation Solution 1	500 ml	C3510-0500
		100 ml	C3510-0100
	Cell Cryopreservation Solution 1, w/o phenol-red	500 ml	C3511-0500
		100 ml	C3511-0100
	Cell Cryopreservation Solution 3	100 ml	C3525-0100
		50 ml	C3525-0050
Trypsin EDTA Solution	Trypsin EDTA Solution A (0.25%), EDTA (0.02%), with Phenol Red	500 ml	C3530-0500
		100 ml	C3530-0100
	Trypsin EDTA Solution B (0.25%), EDTA (0.05%), with Phenol Red	500 ml	C3532-0500
		100 ml	C3532-0100
	Trypsin EDTA Solution C (0.05%), EDTA (0.02%), with Phenol Red	500 ml	C3533-0500
		100 ml	C3533-0100
	Trypsin EDTA Solution C (0.5%Trypsin, 0.2% EDTA), 10X Conc, w/o Phenol Red	100 ml	C3535-0100
	Recombinant Trypsin EDTA Solution	500 ml	C3536-0500
	100 ml	C3536-0100	
	Trypsin Solution B (0.25% in DPBS), without Calcium, Magnesium, without Red Phenol	500 ml	C3538-0500
		100 ml	C3538-0100
	Soybean Trypsin Inhibitor 50X Conc, 5mg/ml	20 ml	C3553-0020

06/ Serum Free Medium & Supplements



Addition of different amino acids, glutamine, sodium pyruvate, human insulin (recombinant), human transferrin (recombinant), human albumin (recombinant), etc. are sometimes needed in the different cell culture scenario. Below products performance has been verified and validated by VivaCell to enhance your cell culture requirements.

Serum Free Medium & Supplements

Product	Size	P/N
ITS, Animal Component free (ACF), Cell Culture Medium Supplement (100X)	5 ml	C3210-0005
ITS-E, Animal Component Free (ACF), Cell Culture Medium Supplement (100X)	5 ml	C3213-0005
MEM Non-Essential Amino Acids Solution, 100X Conc.	100 ml	C3240-0100
MEM Amino Acids Solution, 50X Conc., w/o L-Glutamine	100 ml	C3250-0100
L-Glutamine Solution (200 mM)	500 ml 100 ml	C3543-0500 C3543-0100
Sodium Pyruvate Solution, 11.0 mg/ml (100 mM)	100 ml	C3546-0100
Stable Glutamine (L-Alanyl-L-Glutamine)	500 ml	C3547-0500
	100 ml	C3547-0100
EaSulin™ Recombinant Human Insulin, Powder	1 g	C6010-1000
	500 mg	C6010-0500
	100 mg	C6010-0100
EastFerrin™ Recombinant Human Transferrin, Powder	1000 mg	C6510-1000
	500 mg	C6510-0500
EastBumin™ Recombinant Human Albumin, Powder	10 g	C6520-0010
	1 g	C6520-0001

07/ Cell and Gene Therapy (CGT) Media & Supplements Molecular Biological Reagents



Serum free, xeno free and animal origin free culture conditions are essential for cell therapy for human clinical use. Safety, risk analysis and regulatory compliance are of utmost importance for Cell Therapy users. VivaCell takes great concern in providing media, supplements used in the CGT arena, to maintain consistent performance and help our customers from bench top to clinical use and on to the market.

CGT Medium & Supplements

Product		Size	P/N
VivaPL™ Human Platelet Lysate	VivaPL™ Human Platelet Lysate , Heparin Free (RUO)	500 ml	C8010-0500
		100 ml	C8010-0100
		10 ml	C8010-0010
VivaPL™ Human Platelet Lysate	VivaPL™ Human Platelet Lysate, Heparin needed (GMP grade)	500 ml	C8013-0500
		100 ml	C8013-0100
		10 ml	C8013-0010

Glass beads used to coat bacteria on the surface of a solid culture medium quickly and evenly is beneficial to the uniform growth of bacteria.

Molecular Biological Reagent

Product	Size	P/N
Glass Plating Beads	150 g	M5800-0150

08/ Cytogenetic Products



Cytogenetic products are used to cultivate cells derived from bone marrow, amniotic fluid, and peripheral blood. After cell proliferation, chromosome number, structural abnormality, and related gene locus changes can be detected, which can assist disease diagnosis, genetic counseling, and scientific research.

Bestsellers

AmnioType-1 Medium / AmnioType-2 Medium P/N: C3620/C3621



AmnioType-1, 2, amniotic fluid culture media, are specially developed for amniotic fluid and chorionic cell culture, and are used for karyotype analysis.

- ① Specially designed for amniotic fluid and chorionic cell culture.
- ② Complete culture media have better buffering effect and are suitable for closed and open culture systems.

MarrowType, Bone Marrow Karyotyping Medium P/N: C3630



It is used for proliferation and culture of bone marrow cells in vitro, and does not have the problems of cell selection, induction and differentiation. After culture, it is used for clinical diagnosis. MarrowType® medium is a completely supplemented medium, which is used for short-term culture of bone marrow and other hematopoietic cells, cytogenetic research and in vitro diagnosis.

- ① Stable culture effect
- ② Good cell morphology and good banding effect with clear chromosomes.

PBType-1 Peripheral Blood Karyotyping Medium P/N: C3601



It is used for the proliferation and culture of peripheral blood lymphocytes in vitro, and does not have the functions of cell selection, induction and differentiation. After using this culture medium to culture and proliferate, follow-up tests, such as chromosome karyotype analysis, are highly suitable.

- ① Patent butyl rubber stopper design: convenient for sample addition, culturing, collection and chromosome preparation in the same tube, no need to open the lid, to avoid accidental pollution.
- ② HEPES buffer system-suitable for closed cell culture compatible with automatic operation
Compatible with HANABI, Chromprep II, and other automatic karyotype analyzers.

Cell Syncornization Kit P/N: C3611



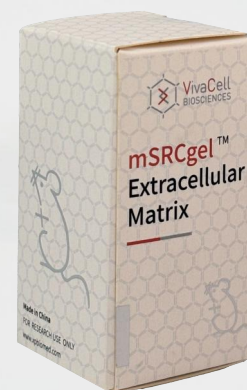
Cell synchronization technology uses drugs to stop cells DNA synthesis and stall all the cells at the S phase so as to stably obtain a large number of high-quality metaphase. Colchicine can be added afterward to achieve the purpose of cell cycle synchronization.

- ① Low toxicity and short treatment time
- ② Convenient operation and flexible culture time

Cytogenetic Products

Product	Size	P/N
AmnioType®-1 Medium	100 ml	C3620-0100
AmnioType®-2 Medium	100 ml	C3621-0100
MarrowType® Bone Marrow Karyotyping Medium	100 ml	C3630-0100
PBType®-1 Peripheral Blood Karyotyping Medium	5 ml	C3601-0005
	100 ml	C3601-0100
	5 ml*30	C3601-0150
HematoType™ Hematopoietic Karyotyping Medium	100 ml	C3640-0100
Colcemid (Demecolcine) Solution, 10 ug/mL in DPBS	10 ml	C3541-0010
Phytohemagglutinin-M (PHA-M), Liquid	5 ml	C3545-0005
Phytohemagglutinin-M (PHA-M), Powder	2 g	C3545P-2000
Potassium Chloride Solution 0.075 M	100 ml	C3540-0100
	500 ml	C3540-0500
Trypsin EDTA Solution	100 ml	C3680-0100
Trypsin Solution B	100 ml	C3683-0100
Giemsa Stain	100 ml	C3720-0100
	500 ml	C3720-0500
Cell Syncornization Kit	12 ml	C3610-0012
Cell Syncornization Kit, Enhanced	8.8 ml	C3611-0009

09/ VivaCell mSRCgel



mSRCgel is a natural basement membrane (BM) extracted from mouse sarcoma tumor tissue. mSRCgel is rich in ECM proteins, including laminin, collagen IV, heparan sulfate proteoglycan (perlecan), entactin and many other essential growth factors.

VivaCell offers mSRCgel with different growth factor levels, protein concentration levels, and screened for stem cell and organoid culture.

Product	Size	P/N
mSRCgel Extracellular Matrix Extracted from EHS mouse sarcoma [+] Phenol Red	10 mL	C2010-0010
mSRCgel Extracellular Matrix Extracted from EHS mouse sarcoma [+] Phenol Red	5 mL	C2010-0005
mSRCgel Extracellular Matrix Extracted from EHS mouse sarcoma [-] Phenol Red	10 mL	C2011-0010
mSRCgel Extracellular Matrix Extracted from EHS mouse sarcoma [-] Phenol Red	5 mL	C2011-0005
mSRCgel Extracellular Matrix, Reduced Growth Factor Extracted from EHS mouse sarcoma [+] Phenol Red	10 mL	C2020-0010
mSRCgel Extracellular Matrix, Reduced Growth Factor Extracted from EHS mouse sarcoma [+] Phenol Red	5 mL	C2020-0005
mSRCgel Extracellular Matrix, Reduced Growth Factor Extracted from EHS mouse sarcoma [-] Phenol Red	10 mL	C2021-0010
mSRCgel Extracellular Matrix, Reduced Growth Factor Extracted from EHS mouse sarcoma [-] Phenol Red	5 mL	C2021-0005
mSRCgel Extracellular Matrix, High Protein Concentration Extracted from EHS mouse sarcoma [+] Phenol Red	10 mL	C2030-0010

Product	Size	P/N
mSRCgel Extracellular Matrix, High Protein Concentration Extracted from EHS mouse sarcoma [+] Phenol Red	5 mL	C2030-0005
mSRCgel Extracellular Matrix, High Protein Concentration Extracted from EHS mouse sarcoma [-] Phenol Red	10 mL	C2031-0010
mSRCgel Extracellular Matrix, High Protein Concentration Extracted from EHS mouse sarcoma [-] Phenol Red	5 mL	C2031-0005
mSRCgel Extracellular Matrix, High Protein Concentration, Reduced Growth Factor Extracted from EHS mouse sarcoma [+] Phenol Red	10 mL	C2032-0010
mSRCgel Extracellular Matrix, High Protein Concentration, Reduced Growth Factor Extracted from EHS mouse sarcoma [+] Phenol Red	5 mL	C2032-0005
mSRCgel Extracellular Matrix, High Protein Concentration, Reduced Growth Factor Extracted from EHS mouse sarcoma [-] Phenol Red	10 mL	C2033-0010
mSRCgel Extracellular Matrix, High Protein Concentration, Reduced Growth Factor Extracted from EHS mouse sarcoma [-] Phenol Red	5 mL	C2033-0005
mSRCgel iPSC-Qualified Extracellular Matrix Extracted from EHS mouse sarcoma [+] Phenol Red	10 mL	C2040-0010
mSRCgel iPSC-Qualified Extracellular Matrix Extracted from EHS mouse sarcoma [+] Phenol Red	5 mL	C2040-0005
mSRCgel Organoid-Qualified Extracellular Matrix Extracted from EHS mouse sarcoma [+] Phenol Red	10 mL	C2050-0010
mSRCgel Organoid-Qualified Extracellular Matrix Extracted from EHS mouse sarcoma [+] Phenol Red	5 mL	C2050-0005
Organoid Dissociation Solution	500 mL	C3508-0500
Organoid Dissociation Solution	100 mL	C3508-0100
Organoid Recovery Solution	100 mL	C3509-0100