

Биологические реагенты

Технические характеристики

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Media

A variety of different liquid cell culture mediums provided by Jet Bio-Filtration Co., Ltd meets the needs of daily experiments.

RPMI-1640 culture liquid RPM101640

It is a widely used medium at present that in the culture of mammalian and special hematopoietic cells, normal or malignant hyperplasia leukocytes and hybridoma cells. It is mainly used for suspension cell culture.

*[+]2.0g/L Glucose [+]2.0g/L NaHCO₃ [+]3.0g/L HEPEs [+]2 mM L-Glutamine 500mL/bottle, 20 bottles/carton

*Storage conditions: 2-8°C

DMEM high glucose DME101500

It is a widely used medium that can be used for many mammalian cell cultures and is more suitable for high-density suspension cell culture. It is suitable for clonal culture with poor adhesion but do not want it to detach from the original growth point, and can also be used for hybridoma cells and DNA transfected transformed cells culture.

*[+]4.5g/L Glucose [+]2.5g/L NaHCO₃ [+]0.11g/L Sodium Pyruvate [+]3.0g/L HEPEs [+]2 mM L-Glutamine

* 500 mL/bottle, 20 bottles/carton

*Storage conditions: 2-8°C

DMEM low glucose DME102500

It is a widely used medium for many mammalian cell cultures. Low glucose medium is suitable for anchorage-dependent cell culture, especially for tumor cell culture with fast growth rate and poor adhesion.

* [+]1.0g/L Glucose [+]2.5g/L NaHCO₃ [+]0.11g/L Sodium Pyruvate [+]3.0g/L HEPEs [+]2 mM L-Glutamine

* 500 mL/bottle, 20 bottles/carton

* Storage conditions: 2-8°C

DMEM/F12 DME103500

F12 medium has a complex composition and contains a variety of trace elements. It combines with DMEM in a 1:1 way, and called DMEM/F12 Medium. As the basis for the development of serum-free formula, it is suitable for mammalian cell culture under the condition of low serum content by taking advantage of the richer ingredients in F12 and the higher concentration of nutrients in DMEM. At present, DMEM/F12 is widely used in the basal culture of MDCK cells, neurogliocytes, fibroblasts, endothelial cells, rat fibroblasts and many other mammalian cells. At the same time, this medium is very suitable for clonal density culture, and has been widely used in the study of the effects of

various hormones and growth factors in target tissues.

* [+] 3.15g/L Glucose [+] Pyridoxine Hydrochloride [+] 1.2g/L NaHCO₃ [+] 3.0g/L HEPEs [+] 2 mM L-Glutamine

* 500 mL/bottle, 20 bottles/carton

* Storage conditions: 2-8°C

MEM MEM101500

MEM, the minimum essential medium, contains only 12 essential amino acids, glutamine and 8 vitamins, which is suitable for the growth of a variety of cell monolayers. It can be widely used for the culture of various established cell lines and mammalian cell types in different places. MEM is suitable for some special research cell culture work because it is easy to add or reduce certain components.

* [+] Earle's balanced salt [+] 1.0g/L Glucose [+] 2.2g/L NaHCO₃ [+] 3.0g/L HEPEs [+] 2 mM L-Glutamine

* 500 mL/bottle, 20 bottles/carton

* Storage conditions: 2-8°C

IMDM IMD100500

The culture liquid contains selenium, additional amino acids and vitamins, sodium pyruvate and HEPEs, and replaces ferric nitrate with potassium nitrate. IMDM is a liquid rich in nutrients that can promote the growth of mouse B lymphocytes, LPS-stimulated B cells, bone marrow hematopoietic cells, T cells and lymphoma cells, and can also be used for rapid proliferation of high density cells.

* [+] 4.5g/L Glucose [+] 3.0g/L NaHCO₃ [+] 3.0g/L HEPEs [+] 2 mM L-Glutamine

* 500 mL/bottle, 20 bottles/carton

* Storage conditions: 2-8°C

Cat. No.	Description	Package
RPM101640	RPMI-1640 culture liquid	500mL/bottle, 20 bottles/carton
DME101500	DMEM high glucos	500mL/bottle, 20 bottles/carton
DME102500	DMEM low glucose	500mL/bottle, 20 bottles/carton
DME103500	DMEM/F12	500mL/bottle, 20 bottles/carton
IMD100500	IMDM	500mL/bottle, 20 bottles/carton
MEM100500	MEM	500mL/bottle, 20 bottles/carton



Insect Media

McCoy'S5a MCS100500 is mainly designed for the culture of sarcoma cells.
TC-100 TC-100500 is suitable for culturing most lepidopteran cell lines.

McCoy'S5a MCS100500

It is mainly designed for the culture of sarcoma cells, and can support the growth of a variety of primary grafts (such as bone marrow, skin, lung and spleen, etc.). In addition to culture of general primary cells, it is mainly used for tissue biopsy culture, some lymphocyte culture, and as the growth support of some difficult-to-culture cells, such as Jensen rat sarcoma fibroblasts, human lymphocytes, HT-29, BHL-100 and other epithelial cells.

*[+]Tryptone [+]3.0g/L Glucose [+]2.2g/L NaHCO₃ [+]3.0g/L HEPEs [+]2 mM L-Glutamine

*Storage conditions: 2-8°C

TC-100 TC-100500

Insect culture medium is with pH value of 6.0-6.4 and osmotic pressure of 345-380 mOsm/kg, and suitable for culturing most lepidopteran cell lines.

*[+]1.0g/L Glucose [+]0.5g/L HEPEs [+]0.35g/L NaHCO₃ [+]2 mM L-Glutamine

*Storage conditions: 2-8°C

Cat. No.	Description	Package
MCS100500	McCoy'S5a	500mL/bottle, 24 bottles/carton
TC-100500	TC-100	500mL/bottle, 24 bottles/carton



Supplementary Reagents

Jet Bio-Filtration can provide a wide range of high quality cell culture auxiliary reagents, including PBS buffer, pancreatic enzymes, double antibodies, etc., to meet the needs of daily experiments.

PBS 1X PBS000001

PBS (phosphate buffered saline, 0.01M) can maintain the pH range (PH 7.2-7.4) required by tissue cells , which is widely used in cell culture applications, such as washing cells, dilution of cells and preparation of reagents during cell counting, etc.

Main ingredients: 3.49g/L Na₂HPO₄.12H₂O; 0.2g/L KH₂PO₄; 0.2g/L KCl

*[-]Calcium [-]Magnesium [-]Phenol Red

*Storage conditions: 2-8°C

Pancreatin PCT000500 /PCT000100

It is widely used for dissociation of tissues and monolayer cells.

*0.25% Trysin-0.02%EDTA

*Storage conditions: -20°C

Double antibody (penicillin-streptomycin mixture) 100X/500X

*100mL, double antibody (penicillin-streptomycin mixture) 100X

*500mL, double antibody (penicillin-streptomycin mixture) 500X

*Storage conditions: -20°C

Cat. No.	Description	Package
PBS000001	PBS 1X, Storage conditions: 2-8°C	500mL/bottle, 20 bottles/carton
PCT000500	Trypsin-EDTA (0.25%, Calcium/Magnesium-free, phenol red) , Storage conditions: -20°C	500mL/bottle, 20 bottles/carton
PCT100500	Trypsin (EDTA-free, calcium and magnesium, phenol red) , Storage conditions: -20°C	500mL/bottle, 20 bottles/carton
PCT000100	Trypsin -EDTA (0.25%, Calcium/Magnesium-free, phenol red) Storage conditions: -20°C	100mL/bottle, 30 bottles/carton
DAB000100	100mL, double antibody (penicillin-streptomycin mixture) 100X, Storage conditions: -20°C	15PCs/box,30PCs/carton
DAB000500	500mL, double antibody (penicillin-streptomycin mixture) 500X, Storage conditions: -20°C	20 PCs/carton



Fetal Bovine Serum

Fetal Bovine Serum (FBS) is a light yellow, clear, non-hemolytic, foreign body-free, slightly viscous liquid. It is commonly added to cell culture media to promote and maintain the growth of cells in vertebrates, mammals, insects and other species. The FBS produced by Jet Bio-Filtration Co., Ltd is prepared from the blood of 8-month-old fetal calf of healthy pregnant cows, which is aseptically collected, separated and filtered. The product has high nutrient content, no mycoplasma, no bovine virus, no bacteriophage, and endotoxin content is less than 1EU/mL. It is suitable for cell, tissue and organ culture, cell line preservation, and monoclonal antibody development, and is one of the preferred media used by hospitals, scientific research colleges, vaccine and biopharmaceutical manufacturers.

Blood origin: Uruguay, China

Origin: Guangzhou China

Specifications: 100mL, 500mL

Storage conditions: -15°C ~ -20°C

Shelf life: 5 years

*FBS of Jet Bio-Filtration Co., Ltd is produced with strictly screened raw materials from selected high-quality, nationally approved blood origins in the world:

Uruguay and China

*The blood source is stable, without cattle disease epidemic within 2 years, with the traceable source of serum, including the maternal health of the fetal calf.

*Strictly controlled production environment: Standard clean rooms, filling in 100-level local clean environment, low temperature control system.

*International advanced production technology and 0.1um filtration three times help achieve stable product performance and little difference between batches.

*With complete test indexes, the product has high nutrient content, no mycoplasma, no bovine virus, no bacteriophage, and endotoxin content is less than 1EU/mL.

Detect items

Item	Quality Standard	Test Results	Item	Quality Standard	Test Results
Appearance	Light yellow, clear and transparent	Light yellow, clear and transparent	Sterility test	Negative	Negative
PH value	7.00-8.50	7.97	Mycoplasma	Negative	Negative
Protein content (g/L)	30-40	38.7	Coliphage	Negative	Negative
Endotoxin (Eu/ml)	≤5	≤5	Maximum proliferative concentration	≥10 ⁶ /ml	1.6x10 ⁶ /ml
Hemoglobin (ml/L)	≤200	140.4	Cell doubling time	Not more than 20h	17.8h
Osmotic pressure (mOs mol/kg)	250-330	287	Cell cloning rate	Not less than 70%	83.50%
All virus test results should be negative	Bovine diarrhea virus (BVDV)	Bovine adenovirus (BAV-3)	Bovine parvovirus (BPV)	Reovirus (REO-3)	Bovine parainfluenza virus (PI-3)
	Negative	Negative	Negative	Negative	Negative
Storage conditions and validity period	-15°C to -20°C ; valid for 5 years from the date of production.				

Ordering information

Cat. No.	Description	Volume (mL)	Pcs / carton
FBS111025	Imported fetal bovine serum	25	50
FBS110100		100	50
FBS111500		500	20
FBS100025	Domestic fetal bovine serum	25	84
FBS100100		100	84
FBS101500		500	20
FBS130100	Imported newborn bovine serum	100	50
FBS131500		500	20

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