

biosera

HIGH QUALITY ANIMAL SERA
MEDIA AND ADDITIVES FOR CELL CULTURE

biosera

프리미엄 동물 혈청 솔루션



tetra**biotech**

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공식 대리점 Authorized Distributor



프리미엄 동물 혈청 솔루션

Biosera는 글로벌 시장에서 높은 신뢰를 얻고 있는 프리미엄 동물 혈청 및 세포배양 시약 전문 기업으로, 엄격한 품질 관리와 생산 기준을 바탕으로 세계 여러 연구기관과 바이오의약 산업에서 꾸준히 선택 받고 있습니다. 안정성과 재현성을 중시하는 Biosera의 제품들은 기초 연구부터 백신·세포 치료제 개발에 이르기까지 다양한 응용 분야에서 널리 활용되고 있습니다.

테트라바이오텍은 Biosera의 한국 공식 대리점으로서, 글로벌 수준의 품질을 국내 연구 환경에 신속하고 안정적으로 공급하고 있습니다. 당사는 고객의 필요에 적합한 최적의 제품을 제안하여 드리는 한 편, 철저한 기술 지원과 책임 있는 공급 체계를 통하여 고객이 신뢰할 수 있는 파트너가 되고자 노력하고 있습니다. 앞으로도 Biosera와의 긴밀한 파트너십을 기반으로 한국 생명과학 분야의 발전과 혁신을 지속적으로 지원하겠습니다.

FETAL BOVINE SERUM & OTHER SERA



The various studies of cells grown in vitro, have made considerable advances in many Scientific Research fields. Depending on the cell type studied, the culture conditions must be adapted and optimized for ideal growth of the cells and as close as possible to the living model.

Serum produced from animal blood is commonly used as a supplement to basic growth medium in cell cultures. The role of serum in cell cultures is essential. It stimulates cell growth, proliferation and differentiation through hormonal factors present in the serum. The adherent factors enhance cell attachment on culture dishes. While a wide variety of proteins in serum provide hormones, minerals and lipids inhibit certain toxic substances.

The most common type of serum used for cell growth is fetal bovine serum. No other supplement has provided the same degree of universality in cell growth stimulation, as has FBS.

FETAL BOVINE SERUM (FBS)

PRODUCTION

Fetal Bovine Serum (FBS) is derived from coagulated whole blood, collected from the fetus by cardiac puncture. The blood is immediately centrifuged and the serum is frozen for transfer to our treatment facilities. Upon receipt at the processing plant, the serum is thawed, tested for acceptability, collected and passed through three sterilization filters of 100 nm (0.1 µm). The serum is bottled by an aseptic filling process.

QUALITY CONTROL TESTS

All sera are rigorously tested for sterility, mycoplasmas and viruses (BVD, IBR and PI3). Each batch is also tested for its ability to support in vitro cell growth, plating efficiency and cloning efficiency on the following cell lines: HeLa, L929, SP2 / O-AG14, MRC-5. Certified and specially certified sera are subjected to a battery of additional tests including endotoxin, chemical components, protein electrophoresis and radial immunodiffusion.

BSE

Donors of European origin are tested for BSE before slaughter in accordance with European Regulation 999/2001. All animals tested are BSE negative.

COMPLETE TRACEABILITY

For all our batches, we insure complete traceability. The labeling system is computerized and designed for clarity from batch to batch. Each batch is monitored throughout processing and production up to final packaging. The geographical origin is indicated on the Certificate of Analysis sent with each delivery of fetal bovine serum.



FETAL BOVINE SERUM (FBS)

Fetal Bovine Serum (South America)					
» Cat. n°: FB-1001/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1001/500	 500ml				
Fetal Bovine Serum (South Africa)					
» Cat. n°: FB-1003/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1003/500	 500ml				
Fetal Bovine Serum (France)					
» Cat. n°: FB-1280/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1280/500	 500ml				
Fetal Bovine Serum (Ireland)					
» Cat. n°: FB-1285/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1285/500	 500ml				
Fetal Bovine Serum (USA)					
» Cat. n°: FB-1350/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1350/500	 500ml				
Fetal Bovine Serum (Central America, USDA approved)					
» Cat. n°: FB-1345/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1345/500	 500ml				
Fetal Bovine Serum (Mexico, USDA approved)					
» Cat. n°: FB-1360/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1360/500	 500ml				
Fetal Bovine Serum (Dominican Republic)					
» Cat. n°: FB-1061/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1061/500	 500ml				
Fetal Bovine Serum (Chile, USDA approved)					
» Cat. n°: FB-1365/100	 100ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n°: FB-1365/500	 500ml				

Fetal Bovine Serum (Japan approved)

» Cat. n° : FB-1380/100 100ml
» Cat. n° : FB-1380/500 500ml

Frozen -20°C Sterile 60 months

Fetal Bovine Serum (Uruguay)

» Cat. n° : FB-1058/100 100ml
» Cat. n° : FB-1058/500 500ml

Frozen -20°C Sterile 60 months

FETAL BOVINE SERUM SPECIFICALLY TESTED AND/OR WITH TREATMENTS

Biosera is able to offer special tests & treatments on all sera to meet customers' specific requirements.
The feasibility depends on the desired volume.
To order a test or treatment on a serum of another species or origin, add the letter code corresponding to each test/ treatment (e.g : DH-291H/500 for donor horse serum heat inactivated).
If you require a test or a treatment not listed here, please contact your local Biosera office or Distributor.

FBS ULTRA LOW ENDOTOXIN

Fetal Bovine Serum (South America), Ultralow Endotoxin

» Cat. n° : FB-1101/100 100ml
» Cat. n° : FB-1101/500 500ml

Frozen -20°C Sterile 60 months

FBS PREMIUM

Fetal Bovine Serum (South America), Premium | Code : B

» Cat. n° : FB-1001B/100 100ml
» Cat. n° : FB-1001B/500 500ml

Frozen -20°C Sterile 60 months

FBS HEAT INACTIVATED

Fetal Bovine Serum (South America), Heat Inactivated | Code : H

» Cat. n° : FB-1001H/100 100ml
» Cat. n° : FB-1001H/500 500ml

Frozen -20°C Sterile 60 months

FBS GAMMA IRRADIATED

Fetal Bovine Serum (South America), Gamma Irradiated | Code : G

» Cat. n° : FB-1001G/100 100ml
» Cat. n° : FB-1001G/500 500ml

Frozen -20°C Sterile 60 months

FBS TETRACYCLINE FREE

Fetal Bovine Serum (South America), Tetracycline free | Code : T

» Cat. n° : FB-1001T/100 100ml
» Cat. n° : FB-1001T/500 500ml

Frozen -20°C Sterile 60 months

FBS EMBRYONNIC STEM CELL TESTED

Fetal Bovine Serum (South America), Embryonic Stem Cells tested | Code : S

» Cat. n° : FB-1001S/100 100ml
» Cat. n° : FB-1001S/500 500ml

Frozen -20°C Sterile 60 months

FBS CHARCOAL STRIPPED

Fetal Bovine Serum (South America), Charcoal Stripped Code: F					
» Cat. n°: FB-1001F/100	 100ml		 Frozen	 -20°C	 Sterile
» Cat. n°: FB-1001F/500	 500ml				
			 60 months		

FBS DIALYSED

Fetal Bovine Serum (South America), Dialysed Code: D					
» Cat. n°: FB-1001D/100	 100ml		 Frozen	 -20°C	 Sterile
» Cat. n°: FB-1001D/500	 500ml				
			 60 months		

FBS LIPID DEPLETED

Fetal Bovine Serum (South America), Lipid Depleted Code : L					
» Cat. n° : FB-1001L/100	 100ml		 Frozen	 -20°C	 Sterile
» Cat. n° : FB-1001L/500	 500ml				
			 60 months		

FBS IRON SUPPLEMENTED

Fetal Bovine Serum (South America), Iron Supplemented Code: R					
» Cat. n°: FB-1001R/100	 100ml		 Frozen	 -20°C	 Sterile
» Cat. n°: FB-1001R/500	 500ml				
			 60 months		

FBS BIOPHARM

Fetal Bovine Serum Biopharm (South America) Code : A					
» Cat. n° : FB-1001A/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

OTHER ANIMAL SERUM AND PLASMA

As a serum specialist, Biosera can also provide sera from other animals for your experiments.
Please contact your nearest retailer / distributor for availability.

ANIMAL SERUM

Calf Serum					
» Cat. n° : CA-115/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

New Born Calf Serum					
» Cat. n° : NB-112/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

Horse Serum					
» Cat. n° : HO-290/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

Donor Horse Serum					
» Cat. n° : DH-291/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

Donor Foal Serum					
» Cat. n° : DF-190/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

Donkey Serum					
» Cat. n° : AS-228/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

Goat Serum					
» Cat. n° : GO-605/500	 500ml		 Frozen	 -20°C	 Sterile
			 60 months		

Lamb Serum					
» Cat. n° : LA-625/500	 500ml	 Frozen	 -20°C	 Sterile	 60 months

Sheep Serum					
» Cat. n° : SH-650/500	 500ml	 Frozen	 -20°C	 Sterile	 60 months

Pig Serum					
» Cat. n° : PI-619/500	 500ml	 Frozen	 -20°C	 Sterile	 60 months

Chicken Serum					
» Cat. n° : CH-515/500	 500ml	 Frozen	 -20°C	 Sterile	 60 months

Rabbit Serum (France)					
» Cat. n° : RS-4500/500	 500ml	 Frozen	 -20°C	 Sterile	 60 months

Rat Serum					
» Cat. n° : RS-4150/50	 50ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n° : RS-4150/100	 100ml				
» Cat. n° : RS-4150/500	 500ml				

Mouse Serum					
» Cat. n° : MO-340/50	 50ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n° : MO-340/100	 100ml				
» Cat. n° : MO-340/500	 500ml				

Guinea Pig Serum					
» Cat. n° : GU-310/10	 10ml	 Frozen	 -20°C	 Sterile	 60 months
» Cat. n° : GU-310/100	 100ml				

ANIMAL PLASMA

Bovine Plasma w/ Sodium Citrate					
» Cat. n° : BP-116/500	 500ml	 Frozen	 -20°C	 Sterile	 48 months

Rabbit Plasma w/ EDTA Tetrasodium Salt					
» Cat. n° : RP-4600/500	 500ml	 Frozen	 -20°C	 Sterile	 48 months

Rat Plasma w/ Lithium Heparin					
» Cat. n° : RP-4140/100	 100ml	 Frozen	 -20°C	 Sterile	 48 months

Mouse Plasma w/ Lithium Heparin					
» Cat. n° : MP-341/100	 100ml	 Frozen	 -20°C	 Sterile	 48 months

BOVINE SERUM ALBUMIN (BSA)

Albumin is the main protein of blood plasma. Bovine Serum Albumin (BSA) is commonly used in cell culture protocols, particularly where protein supplementation is necessary and when other serum components are unwanted. The BSA is produced using a unique patented method derived from the "heat shock" method.

Bovine Serum Albumin (BSA) Lyophilised pH ~7					
» Cat. n° : PM-T1725/100	 100g	 Powder	 2/8°C	 Non sterile	 36 months
» Cat. n° : PM-T1725/500	 500g				
» Cat. n° : PM-T1725/1000	 1 kg				

Bovine Serum Albumin (BSA) Protease Free Lyophilised					
» Cat. n° : PM-T1726/100	 100g	 Powder	 2/8°C	 Non sterile	 36 months
» Cat. n° : PM-T1726/500	 500g				
» Cat. n° : PM-T1726/1000	 1 kg				

Bovine Serum Albumin (BSA) Fatty Acids Free Lyophilised					
» Cat. n° : PM-T1727/100	 100g	 Powder	 2/8°C	 Non sterile	 36 months
» Cat. n° : PM-T1727/500	 500g				
» Cat. n° : PM-T1727/1000	 1 kg				

Bovine Serum Albumin (BSA) 30%					
» Cat. n° : SA-296/1000	 1000ml	 Liquid	 2/8°C	 Sterile	 36 months