



## HIGH QUALITY FETAL BOVINE SERA

Choose Euroclone screened FBS and eliminate the need for pre-screening serum, saving time and money.

Special Fetal Bovine Sera are selected batches of serum which are particularly suitable for specific cell cultures. Each lot of Special Fetal Bovine Sera is tested in order to ensure its quality and perfect match with the research application.

### **FBS Gamma Irradiated**

This serum combines a very high level of safety without altering its biological properties. Gamma irradiation at 25-35 kGy is a very effective method for viral inactivation of fetal bovine serum without any negative effect on the growth factors.

The use of FBS Gamma Irradiated is suggested for virus and vaccine productions, on biopharmaceutical productions and during the manufacture of diagnostic products.

### **FBS Heat Inactivated**

This serum is prepared by heating at 56°C for 30 minutes. This process inactivates the complement system. The use of Heat Inactivated FBS is suggested for performing immunology assay and for supporting the growth of the most cell types. This treatment allows also to inactivate viruses and to destroy some bacterial contaminants such as mycoplasma.

### **Ultra-Low Endotoxin FBS**

Ultra-Low Endotoxin FBS is rigorously controlled, from the collection up to final packaging on our premises. All manufacturing steps are in accordance with the European regulations and follow the highest quality standards.

This serum is the preferred choice for all research, academic and industrial applications, which requires lowest endotoxin levels.

Each batch has endotoxin level < 0.1 EU/ml

### **Tetracycline Negative FBS**

Tetracycline Negative FBS is designed for researchers using very sensitive tet-inducible gene expression systems and want to avoid unintended expression as a result. The presence of Tetracycline derivatives is tested by a liquid chromatography electrospray ionisation tandem mass spectrometry method.

We guarantee batches with undetectable level of tetracycline derivatives: <0.05 mg/ml.

## FBS Dialysed

Dialyzed FBS is depleted, by filtration process, of small molecules such as hormones, nucleotides and amino acids. The cut-off molecular weight is 10KDa.

The use of FBS Dialysed is suggested for hormone free cell culture, minimal essential growth supplement and incorporation studies.

## Euromed ES FBS

Euromed ES FBS is specially tested for the ability to sustain undifferentiated cellular morphology of embryotic stem cell.

The screening includes colony morphology, toxicity tests and plating efficiency. The level of endotoxin is < 1 EU/ml.

## Chromosome FBS

Chromosome FBS is a special serum tested for Cytogenetics applications. Its use is suggested for Postnatal: peripheral blood and bone marrow cells culture. Serum provides a wide variety of macromolecular proteins, low molecular weight nutrients, and other compounds necessary for *in vitro* growth of cells. Suitable also for prenatal diagnostic culture, for amnion and *chorionic villi* cells.

## Exosome depleted FBS

This serum is treated with ultrafiltration method, that depletes  $\geq 95\%$  of exosome.

Exosomes are extracellular vesicles released from the cells by the plasma membrane. The biological functions of these structures are the most important issue in exosome research.

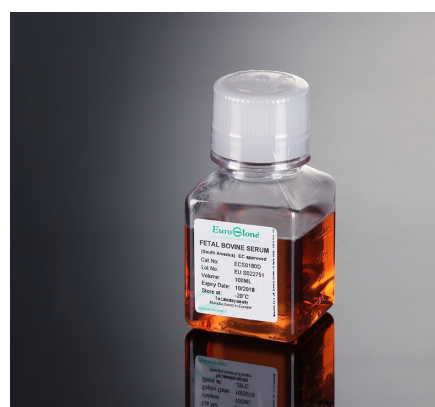
The use of this serum allows to prevent the interference between the exosomes naturally present in the serum and those derived from the culture cells.

## PREMIUM FBS

This serum is a collection of South America high quality batches, selected on excellent and defined values for essential data: endotoxin level < 5 Eu/ml, hemoglobin level < 25 mg/100 ml, growth promotion > 80%.

By respecting those criteria, a very low batch to batch variation is guaranteed, avoiding waste of time in batch testing.

Descrizione	100 ml	500 ml
FBS Gamma Irradiated (EU approved)	ECS0180DI	ECS0180LI
FBS Gamma Irradiated (USDA approved)	ECS0170DI	ECS0170LI
FBS Heat Inactivated (EU approved)	ECS0180DH	ECS0180LH
FBS Heat Inactivated (USDA approved)	ECS0170DH	ECS0170LH
Ultra-Low Endotoxin FBS (EU approved)	ECS0186D	ECS0186L
FBS Dialysed (EU approved)	ECS0181D	ECS0181L
Tetracycline Negative FBS (EU approved)	ECS0182D	ECS0182L
Euromed ES FBS (EU approved)	ECS0196D	ECS0196L
Chromosome FBS (EU approved)	EKS0195D	EKS0195L
Exosome Depleted FBS (EU approved)	ECS8001D	ECS8001L
PREMIUM FBS (EU approved)	ECS9001D	ECS9001L



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**EuroClone**<sup>®</sup>  
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Quality Management Systems and Environmental certified according to EN ISO 9001, ISO 13485 and EN ISO 14001