

Fetal Bovine Serum, Collected in South America, ES cell pre-tested

General information

Serum is the blood component obtained after coagulation and removal of cellular components. Besides serum proteins it contains growth factors, amino acids and hormones, etc. This comprehensive mix makes serum one of the most important supplements for supporting cell growth and proliferation in vitro cell culture. Of special interest is fetal bovine serum (FBS). It is especially rich in growth factors and low in antibodies, which may influence the cell culture work.

Embryonic stem (ES) cells are particularly demanding and it is crucial to keep them in their valuable undifferentiated state. When working with stem cells maintenance of pluripotency and reduced differentiation are the main objectives. Historically, EC cell researchers were required to screen laboriously several lots of serum to find one suitable for their cells. LT Biotech offers ES Cell Pretested FBS to minimize the need for prescreening serum, saving both time and money, while providing the assurance that the serum used has been screened by experienced ES cell culturists. The screening includes growth promotion, colony morphology, and cytotoxicity. ES Cell Pretested FBS is selected from our highest quality FBS lots.

Product specifications

pH	6.8 – 8.2
Osmolality	240 – 340 mOsm/kg
Endotoxin	≤ 10 EU/ml
Total Protein	3.0 – 4.5 g/dl
Albumin	As reported
Hemoglobin	≤ 20 mg/dl
Mycoplasma	Not detected
Virus tested for	PI-3, BVDV, BHV-I
Sterility	Tested
Storage	Store at ≤-15 °C.

Features

- Tested on murine embryonic stem cells
- Selected from highest quality FBS lots
- Strict quality control
- Consistent quality

Quality control

Only sera batches which pass our strict quality control are released for sale. Standard parameters which are determined include pH, osmolality, content of protein, albumin, IgG and hemoglobin, endotoxin level, sterility, mycoplasma detection and virus testing.

Precautions and disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Ordering information

Catalogue number	Pack size
LTFBS-SA500CPT	500 ml
LTFBS-SA100CPT	100 ml

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