

## Product Information

Fetal Bovine Serum, ES Cell Pretested  
 Cat. No. FBS-ES-12B, FBS-ES-12A

### General Information

Serum is the blood component obtained after coagulation and removal of cellular components. Besides serum proteins it contains e.g. growth factors, amino acids and hormones. This comprehensive mix makes serum one of the most important supplements for supporting cell growth and proliferation in *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. Capricorn Scientific 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.

Features:

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

Product	Volume	Cat. No.
Fetal Bovine Serum ES Cell Pretested	100 ml	FBS-ES-12B
	500 ml	FBS-ES-12A

### Product Specifications

Appearance	Clear amber liquid
Storage and shelf life	Store at $\leq -15^{\circ}\text{C}$ . Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened store at $4^{\circ}\text{C}$ and use within 4-6 weeks.
Shipping conditions	Frozen (Dry ice)
Thawing	Overnight at $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$ . Swirl gently to homogenize.

### Quality control

Only serum 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.

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## Precautions and Disclaimer

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

## Help Needed?

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If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email ([techservice@capricorn-scientific.com](mailto:techservice@capricorn-scientific.com)) or phone (+49 6424 944640).