

## Product Information

Fetal Bovine Serum Exosome-depleted, Collected in South America  
Cat. No. FBS-ED-12A (500 ml), FBS-ED-12B (100 ml), FBS-ED-12F (50 ml)

### General Information

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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 *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.

Fetal bovine serum contains naturally huge amount of exosomes, carrying the potential risk to interfere with the exosomes secreted by the cells - a highly critical problem in exosome research. Our newly developed method to get rid of exosomes is efficient but gentle to other FBS components. In comparison with the non depleted FBS the cell culture performance is still outstanding.

Features:

- No time-consuming self-production needed anymore
- Reduction of the risk of contamination
- Each bottle with comparable quality
- Each lot tested for exosome depletion
- No impairment of important FBS ingredients

### Product Specifications

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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

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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. The quality control for exosome-depleted FBS additionally includes exosome/Cd63 testing by an ELISA assay.

### Precautions and Disclaimer

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This product is for research use only.

### 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) or phone (+49 6424 944640).