



FBS PRODUCT HIGHLIGHTS

- Manufactured under cGMP guidelines
 - Triple 0.1µm sterile filtered
 - Free storage for up to 1 year
- Heat Inactivation & Gamma Irradiation upon request
 - Ships on dry ice, store frozen at -20 to -10°C
- Lot reservations upon request

All of our FBS is processed in USDA approved facilities that follow cGMP guidelines ensuring the highest quality and consistency from lot to lot.

Serum is commonly used as a supplement to basal growth medium in cell culture. The most common type of serum is fetal

bovine serum (FBS) because of its high content of embryonic growth promoting factors. In cell culture, serum provides a wide variety of macromolecular proteins, low molecular weight nutrients, carrier proteins for water – insoluble components, and other compounds necessary for in vitro growth of cells, such as hormones and attachment factors. Serum also adds buffering capacity to the medium and binds or neutralizes toxic components.

Each lot of FBS is tested to confirm the serum meets the written specifications. Final product release is done after reviewing all production and quality control records to determine compliance with all established, approved written procedures.

Fetal Bovine Serum Uses

- **Vaccines** – Since it has a low level of antibodies, it's regularly used to produce vaccines, such as a vaccine for measles, mumps and rubella.
- **In Vitro Fertilization** – Fetal bovine serum also has a high number of hormones, which makes it an ideal cell culture to aid in vitro fertilization.
- **Cloning** – The high growth factor of fetal bovine serum has led to it being commonly used in cloning animal tissues.

Pinnacle Fetal Bovine Serum - Catalog PS-100

(Endotoxin <10EU/mL, Hemoglobin <20mg/dL)

Our premium FBS meets the highest quality standards for endotoxin and hemoglobin levels and supports the growth of widest variety of cell lines.

Choice Fetal Bovine Serum - Catalog PS-200

(Endotoxin <20EU/mL, Hemoglobin <30mg/dL)

Intended for the customer who wants excellent cell growth while buying at the more economical prices. This material is distinguished from our Pinnacle FBS by allowing for slightly higher levels of hemoglobin and/or endotoxin.

Cornerstone Fetal Bovine Serum - Catalog PS-300

(Endotoxin and Hemoglobin – Test and Report)

Intended for cost-sensitive customers who require a quality product with consistent performance.

Our Commitment to YOU

Phoenix Scientific commits to partnering with our Customers to achieve maximum quality, increased efficiencies and innovative products. Our Dedication to QUALITY...Phoenix Scientific is dedicated to meeting or exceeding our customers needs and expectations with the products and services we provide.

For laboratory research and development use only. Not for human use. Phoenix Scientific shall not be held liable for any damage resulting from handling or from contact with the above product.