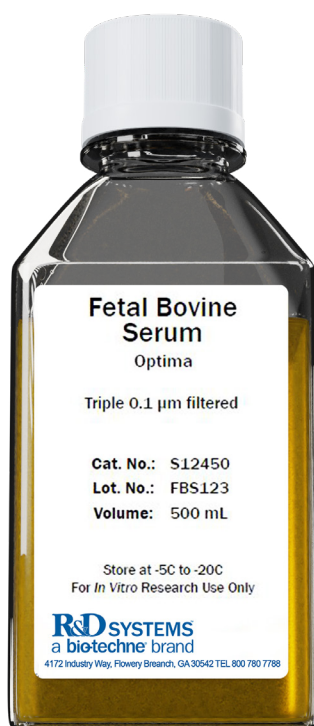


R&D Systems® Fetal Bovine Serum (FBS) meets the high-quality manufacturing standards that are expected by our customers. Over 40 years of rigorous research, development, and manufacturing has resulted in a wide portfolio of FBS that ranges from classic cell culture grade to specialty formulations.

FETAL BOVINE SERUM

OPTIMA GRADE

Fetal Bovine Serum—Optima meets the nutritional requirements of most cell lines and is suitable for general cell culture applications. An extensive biochemical profile and an extended virus test panel are provided in addition to comprehensive quality assurance testing. Each lot is manufactured exclusively from US origin and USDA-APHIS certified material following stringent manufacturing and quality control procedures within our ISO 9001:2015 certified facility.



Sterility Testing (Bacteria & Fungi)	✓ (not detected)
Mycoplasma Testing <i>Large Volume, Direct Culture</i>	✓ (not detected)
Mycoplasma Supplemental Testing <i>Hoechst DNA Stain</i>	✓ (not detected)
Performance Testing	✓ (pass)
Endotoxin (EU/mL)	✓ (≤ 15 EU/mL)
Hemoglobin (mg/dL)	✓ (≤ 15 mg/dL)
Total Protein	✓
IgG	✓
pH	✓
Osmolality	✓
Supplemental Biochemical Assay	✓
Hormone Profile	✓
Virus Test Panel	✓ (extended)
Cytopathogenic Agents	✓
Hemadsorbing Agents	✓
Bovine Viral Diarrhea Virus (BVDV)	✓
Bluetongue Virus (BTV)	✓
Bovine Parvovirus (BPV)	✓
Respiratory Syncytial Virus (RSV)	✓
Bovine Adeno 3 Virus	✓
Bovine Adeno 5 Virus	✓
Rabies Virus	✓
Reovirus	✓
Filtration	triple 0.1 µm
Lot Origin	USA or USDA-approved

FETAL BOVINE SERUM			
PRODUCT	SIZE	REGULAR - CATALOG #	HEAT-INACTIVATED - CATALOG #
Fetal Bovine Serum—Optima	500 mL	S12450	S12450H
	50 mL	S12495	S12495H

Learn more | rndsystems.com/FBSOptima

NEWBORN CALF SERUM

Newborn Bovine Calf Serum is collected from healthy, inspected bovine calves from New Zealand. Calves are less than 14 days of age their serum is manufactured under stringent collection and processing standards. It is used for routine maintenance of select cell lines and where low antibody concentrations are not critical. Newborn Calf Serum is often used as a lower-priced alternative to FBS.



NEWBORN CALF SERUM			
PRODUCT	SIZE	REGULAR - CATALOG #	HEAT-INACTIVATED - CATALOG #
Newborn Calf Serum	500 mL	S11250	S11250H
	50 mL	S11295	S11295H

Learn more | rndsystems.com/calfserum