

Fetal Bovine Serum Product Line

Why Choose cellgro[®] Fetal Bovine Serum?

cellgro[®]'s high-quality fetal bovine serum complements our wide range of sterile, low endotoxin classical cell culture media perfectly.

Our sera are collected and processed with strict adherence to current Good Manufacturing Practices (cGMP) and ISO 13485 guidelines, thus meeting the high standards required for quality cell culture.

Origin

Our Premium FBS, with the lowest endotoxin (≤ 20 EU/mL) and hemoglobin specification (< 30 mg/dL), is collected only from herds in the United States. The Regular FBS, also with the same endotoxin and hemoglobin specifications, is derived from USDA-certified facilities outside the United States, primarily Mexico. Mexico is recognized by the United States Department of Agriculture (USDA) to be free of bovine spongiform encephalopathy (BSE) and foot and mouth disease (FMD).

Sterile Filtered

The raw pooled serum is filtered through a series of three 0.1 micron sterilizing grade filters. All cellgro[®] serum lots must test negative for mycoplasma following CFR 9CFR113.53 in order to qualify for as product for our customers.

Low Endotoxin Levels (LAL) Limulus Amebocyte Lysate

Each lot is tested for bacterial endotoxin. Both premium and our regular grade must meet a specification of ≤ 20.00 EU/mL.

Low Hemoglobin Levels

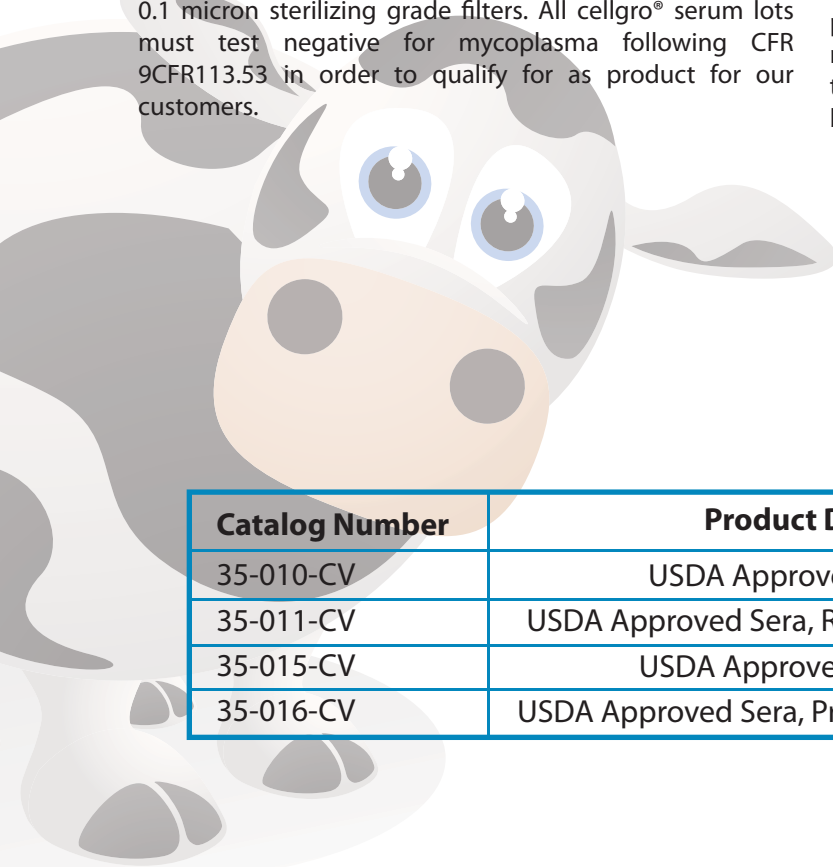
A quantitative and colorimetric assay is performed to determine the residual hemoglobin concentration in each product lot. All lots of cellgro[®] FBS must contain ≤ 30 mg/dL of hemoglobin.

True Pooled for Consistency

True pool processing provides consistency from bottle to bottle within a lot. All serum are separated from the collected blood by refrigerated centrifugation, true pooled, filtered, and immediately frozen. The filtration process consists of a series of three 0.1 micron sterilizing filters followed by a final "polishing" filter prior to final packaging. Only raw serum that meets our strict specifications for endotoxin, residual hemoglobin, pH, and microbial quality is approved for production. True pooling eliminates the variability within a lot.

Certificate of Analysis and Biochemical Profile

cellgro[®] sera products are analyzed for quality performance and analytical testing, including pH, osmolality, growth promotion and/or plating efficiency, sterility (current USP methods), mycoplasma/ureaplasma, viral (9CFR113.53), total protein, endotoxin and hemoglobin levels. A biochemical profile is also provided with each product.



Catalog Number	Product Description	Unit Size
35-010-CV	USDA Approved Sera, Regular	1 x 500 mL
35-011-CV	USDA Approved Sera, Regular (Heat Inactivated)	1 x 500 mL
35-015-CV	USDA Approved Sera, Premium	1 x 500 mL
35-016-CV	USDA Approved Sera, Premium (Heat Inactivated)	1 x 500 mL