



Non-Fetal Bovine Sera

Collection

Gemini Bio-Products' bovine sera are collected from USDA-approved sources only. Donor serum is collected from closed, controlled herds that are used exclusively for the production of bovine blood products. Cattle are selected from herds with known backgrounds.

Processing

Serum processing is performed using Good Manufacturing Practices (GMP) at refrigerated temperatures. Serum is separated from the clot by centrifugation. Sterile filtration is performed using multiple, 0.1- μm membrane filters (unless otherwise specified). Filtered serum is normally dispensed into cell-culture-grade PETG bottles and rapidly frozen to a temperature of -10°C to -20°C . Serum can be supplied in glass bottles upon request.

Quality Control

We provide our customers with a simple, easy to interpret Certificate of Analysis for each lot delivered. We provide the most important, pertinent information, including critical testing of the following: growth promotion, mycoplasma, virus, and endotoxin. These tests are performed using reliable and established procedures on every lot prior to release. Results are shown in an easy to understand format to help investigators rapidly select a lot which is capable of providing excellent cell growth along with reliable safety testing of each lot. Other tests may be performed for a minimal fee upon customer request.

Heat Inactivation

Gemini will provide heat inactivation for most sera upon request, as a service to our customers.