



### **Fetal Bovine Serum (FBS) Sterile Filtered**

Fetal Bovine Serum passes through a series of filters terminating with triple 0.1 µm pore size pharmaceutical grade sterile filters. The product is dispensed in a Class 100 laminar flow workstation via a closed system and then immediately frozen.

From collection of raw sera through to the final sterile filtered product, Serana manages and documents all processes involved. This certifies full traceability from the animal through to the end product. Full batch records including Certificates of Origin, Certificates of Suitability, Certificates of Analysis and other batch release documents are available to all of our customers.

[Material Safety Data Sheet](#)

[Sample Certificate of Analysis](#)



*500ml Sterile Filtered Fetal Bovine Serum*

### **Fetal Bovine Serum (FBS) Sterile Filtered**

Fetal Bovine Serum passes through a series of filters terminating with triple 0.1 µm pore size pharmaceutical grade sterile filters. The product is dispensed in a Class 100 laminar flow workstation via a closed system and then immediately frozen.

After thawing sterile filtered serum, it is brought to 37°C for 10 minutes. Then, it is heated and regularly agitated in a 56°C water bath for 30 minutes.

From collection of raw sera through to the final sterile filtered product, Serana manages and documents all processes involved. This certifies full traceability from the animal through to the end product. Full batch records including Certificates of Origin, Certificates of Suitability, Certificates of Analysis and other batch release documents are available to all of our customers.

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*500ml Sterile Filtered Fetal Bovine Serum*

### **Fetal Bovine Serum (FBS) Sterile Filtered**

Fetal Bovine Serum passes through a series of filters terminating with triple 0.1 µm pore size pharmaceutical grade sterile filters. The product is dispensed in a Class 100 laminar flow workstation via a closed system and then immediately frozen. Sterile filtered serum is exposed to 2.5-3.5 mRads (25-35 kGy) of radiation from a 60Co source.

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*500ml Sterile Filtered Fetal Bovine Serum*

## **Fetal Bovine Serum (FBS) Raw Material**

Fetal calf blood is taken by cardiac puncture at abattoirs, where AQIS inspectors are permanently present. It is collected by highly trained personnel using the most aseptic collection methods possible. The blood is then allowed to clot under controlled conditions. Finally, it is separated by double spun cup centrifugation, then immediately frozen.

Serum is pooled in a sterile pooling tank, and then passes through a series of pharmaceutical grade filters terminating with a 0.45 µm filter. Finally, it is dispensed into customer specified bottles and immediately frozen.

From blood collection through to the bottling of raw sera, Serana manages and documents all processes involved. This certifies full traceability from the animal through to the end product. Full batch records including Certificates of Origin, Certificates of Suitability, Certificates of Analysis and other batch release documents are available to all of our customers.

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*2 Litre Raw Filtered Fetal Bovine Serum*

## **Fetal Bovine Serum (FBS) Raw Material**

Fetal calf blood is taken by cardiac puncture at abattoirs, where AQIS inspectors are permanently present. It is collected by highly trained personnel using the most aseptic collection methods possible. The blood is then allowed to clot under controlled conditions. Finally, it is separated by double spun cup centrifugation, then immediately frozen.

Serum is pooled in a sterile pooling tank, and then passes through a series of pharmaceutical grade filters terminating with a 0.45 µm filter. Finally, it is dispensed into customer specified bottles and immediately frozen.

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*4.5 Litre Raw Filtered Fetal Bovine Serum*

## **Calf Serum (CS) Sterile Filtered**

Calf Serum passes through a series of filters terminating with 0.2 µm pore size pharmaceutical grade sterile filters. The product is dispensed in a Class 100 laminar flow workstation via a closed system and then immediately frozen.

From collection of raw sera through to the final sterile filtered product, Serana manages and documents all processes involved. This certifies full traceability from the animal through to the end product. Full batch records including Certificates of Origin, Certificates of Suitability, Certificates of Analysis and other batch release documents are available to all of our customers.

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*500ml Sterile Filtered Calf Serum*

## **Calf Serum (CS) Raw Material**

Fetal calf blood is taken by cardiac puncture at abattoirs, where AQIS inspectors are permanently present. It is collected by highly trained personnel using the most aseptic collection methods possible. The blood is then allowed to clot under controlled conditions. Finally, it is separated by double spun cup centrifugation, then immediately frozen.

Serum is pooled in a sterile pooling tank, and then passes through a series of pharmaceutical grade filters terminating with a 0.45 µm filter. Finally, it is dispensed into customer specified bottles and immediately frozen.

From blood collection through to the bottling of raw sera, Serana manages and documents all processes involved. This certifies full traceability from the animal through to the end product. Full batch records including Certificates of Origin, Certificates of Suitability, Certificates of Analysis and other batch release documents are available to all of our customers.

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*2 Litre Raw  
Filtered  
Calf Serum*

## **Calf Serum (CS) Raw Material**

Fetal calf blood is taken by cardiac puncture at abattoirs, where AQIS inspectors are permanently present. It is collected by highly trained personnel using the most aseptic collection methods possible. The blood is then allowed to clot under controlled conditions. Finally, it is separated by double spun cup centrifugation, then immediately frozen.

Serum is pooled in a sterile pooling tank, and then passes through a series of pharmaceutical grade filters terminating with a 0.45 µm filter. Finally, it is dispensed into customer specified bottles and immediately frozen.

From blood collection through to the bottling of raw sera, Serana manages and documents all processes involved. This certifies full traceability from the animal through to the end product. Full batch records including Certificates of Origin, Certificates of Suitability, Certificates of Analysis and other batch release documents are available to all of our customers.

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*4.5 Litre Raw  
Filtered  
Calf Serum*

## **Other Animal Serum (Newborn Calf, Adult Bovine, Porcine, Goat, etc.)**

New Born Calf

Adult Bovine

Goat Serum

Available upon request.



*Other Animal  
Sera available  
upon request*