

# Product Datasheet

## Fetal Bovine Serum - Dialyzed 12-14kD, Heat Inactivated S12810H-NOV

Unit Size: 100 ml

Store at -20C. Avoid freeze-thaw cycles.

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**S12810H-NOV**

Fetal Bovine Serum - Dialyzed 12-14kD, Heat Inactivated

Product Information	
Unit Size	100 ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Product Description	
Description	<p>Fetal Bovine Serum - Dialyzed 12-14kD, Heat Inactivated Summary</p> <p>Dialyzed Fetal Bovine Serum is used in cell culture systems requiring a more defined environment of small molecules. Dialysis reduces the concentration of low molecular weight components such as nucleotides, amino acids, hormones, salts and various small proteins in Serum</p> <p>Why Use Dialyzed Fetal Bovine Serum</p> <p>Pre-selected Fetal Bovine Serum is dialyzed against physiological saline using a 12,000 to 14,000 Dalton cutoff membrane. The process is controlled by precisely monitoring the glucose concentration throughout the procedure. Exhaustive dialysis is not performed in order to prevent precipitation and inactivation of serum peptides. All lots of Dialyzed 12-14kD FBS are manufactured in our ISO 9001:2015 certified facility.</p> <p>Why Heat Inactivate Serum</p> <p>The objective of heat inactivation is to destroy complement activity in the serum without affecting the growth-promoting characteristics of the product. Removal of complement activity from the serum is not required for most cell cultures, but may be necessary for cultures that are sensitive to the complement activity. Since heat inactivation of the serum may, to some extent, decrease the growth performance properties of the Serum this procedure should only be performed if actually required for optimal cell growth. Researchers should evaluate the applicability of heat inactivation in regards to their own application. If heat inactivation is required, the process should be carefully controlled to avoid increased formation of crystalline and flocculent precipitates, gelling of serum proteins and excessive loss of growth performance. Significant damage to serum can occur when it is subjected to higher than required temperatures or heated over extended lengths of time.</p> <p>Specifications</p> <p>Purification: Triple 0.1 um filtered</p> <p>Sterility Testing: Pass</p> <p>Limitations</p> <p>For research use only. Not for diagnostic use.</p>
Species	Bovine
Product Application Details	
Applications	Cell Culture
Recommended Dilutions	Cell Culture



**Application Notes**

Dialyzed Fetal Bovine Serum is used in cell culture systems requiring a more defined environment of small molecules. Dialysis reduces the concentration of low molecular weight components such as nucleotides, amino acids, hormones, salts and various small proteins in serum.

**Images**

Serum: Fetal Bovine Serum - Dialyzed 12-14kD, Heat Inactivated [S12810H-NOV] - Dialyzed Fetal Bovine Serum is used in cell culture systems requiring a more defined environment of small molecules. Dialysis reduces the concentration of low molecular weight components such as nucleotides, amino acids, hormones, salts and various small





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