

# Product Datasheet

## Iron-Supplemented Calf Serum

### S11995-NOV

Unit Size: 50 ml

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

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**S11995-NOV****Iron-Supplemented Calf Serum**

<b>Product Information</b>	
<b>Unit Size</b>	50 ml
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Product Description</b>	
<b>Description</b>	<p>Iron-Supplemented Calf Serum Summary</p> <p>Iron-Supplemented Calf Serum (ISCS) is supplemented with ferric salt, enabling this serum to bind from three to four times the iron of Fetal Bovine Serum</p> <p>Why Use Iron-Supplemented Calf Serum</p> <p>Iron-Supplemented Calf Serum (ISCS) is produced from serum of 2 weeks to 12 months old formula-fed calves and is supplemented with iron. Formula-fed calf serum has exceptionally high levels of transferrin, and therefore the capacity to bind higher levels of iron. After supplementation with a ferric salt, Iron-Supplemented Calf Serum contains up to four times as much available iron and transferrin as Fetal Bovine Serum (FBS). It can produce growth curves comparable to that of FBS in many cell culture systems. Proliferating cells require iron for bioenergetics and oxidation-reduction catalysis, including activation of oxygen, nitrogen, and hydrogen. Iron-Supplemented Calf Serum supports the long-term growth of many cell types such as fibroblast-like, epithelial-like and lymphoid cell populations.</p> <p>Specifications</p> <p>Purification: 0.2 um filtered</p> <p>Sterility Testing: Pass</p> <p>Shipping Conditions: On Dry Ice</p> <p>Country of Origin: UNITED STATES</p> <p>Limitations</p>
<b>Species</b>	Bovine
<b>Product Application Details</b>	
<b>Applications</b>	Cell Culture
<b>Recommended Dilutions</b>	Cell Culture
<b>Application Notes</b>	Iron-Supplemented Calf Serum (ISCS) is supplemented with ferric salt, enabling this serum to bind from three to four times the iron of Fetal Bovine Serum.



## Images

Serum: Iron-Supplemented Calf Serum [S11995-NOV] - Iron-Supplemented Calf Serum (ISCS) is supplemented with ferric salt, enabling this serum to bind from three to four times the iron of Fetal Bovine Serum.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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