

## Serum, foetal bovine, Super low IgG, Thermo Scientific HyClone®

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NEW

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Processed to substantially reduce IgG (via Protein G chromatography) level, Thermo Scientific HyClone super low IgG fetal bovine serum (FBS) is suitable for use in more exacting applications. FBS contains natural levels of immunoglobulin (IgG) that may be too high for certain cell culture and protein purification applications. Serum from individual animals may be screened for low content and pooled to produce large batches of FBS with lower levels of IgG. However, this may be quite a challenge due to the scarcity of such low IgG animals and the logistics involved with the screening and collection process. Even naturally occurring low levels of IgG may still be too high for certain applications. Comparative levels of IgG in bovine serum products are shown in the table below. HyClone® Super Low IgG FBS performance is equivalent to non-processed FBS and is suitable for applications requiring lower levels of specific antibody, such as propagation of bovine viruses and monoclonal antibody production.

Product	Average IgG level
Calf serum	14.09mg/mL
FBS	0.20mg/mL
Naturally low IgG FBS	0.02mg/mL
Super low IgG FBS	<0.005mg/mL

Test	Specifications
Certificate of Analysis Testing (release criteria)	
IgG	≤5µg/mL
Endotoxin (limulus amoebocyte lysate - gel clot)	≤10EU/mL
Hemoglobin (spectrophotometric)	≤10mg/dL
Sterility testing (current USP and EP) bacteria and fungi	No growth
Virus Testing (9 CFR 113.53) fluorescent antibody	
Bluetongue	Not detected
Bovine adenovirus	Not detected
Bovine parvovirus	Not detected
Bovine respiratory syncytial virus	Not detected
Bovine viral diarrhea virus	Not detected
Rabies	Not detected
Reovirus (cytopathogenic agents e.g. IBR)	Not detected
Reovirus (hemadsorbing agents e.g. P13)	Not detected
Mycoplasma (large volume, direct culture)	Not detected
Mycoplasma (Hoechst DNA stain)	Not detected

Catalogue No	Alt. No	Description	Quantity, mL
<b>HZSH3089802</b>	SH30898.02	Serum, foetal bovine, super low IgG	100
<b>HZSH3089803</b>	SH30898.03	Serum, foetal bovine, super low IgG	500
<b>HZSH3089802H</b>	SH30898.02HI	Serum, foetal bovine, super low IgG, heat inactivated	100
<b>HZSH3089803H</b>	SH30898.03HI	Serum, foetal bovine, super low IgG, heat inactivated	500
<b>HZSH3089803I</b>	SH30898.03IR	Serum, foetal bovine, super low IgG, irradiated	500
<b>HZSH3089803D</b>	SH30898.03IH	Serum, foetal bovine, super low IgG, irradiated and heat inactivated	500



For water purification systems, please see the Fisher Scientific Laboratory Catalogue or visit our website.

