



Certificate of Analysis

**Charcoal Stripped
Fetal Bovine Serum
(Meets USDA import requirements)**

Catalog Number: 12676
Lot Number: 1259690

Storage Temperature: -5 to -20C
Storage Instructions: Protect from light
Country of Origin: MX
Expiration Date: 2017-09

FOR RESEARCH USE ONLY. CAUTION: Not intended for human or animal diagnostic or therapeutic uses.

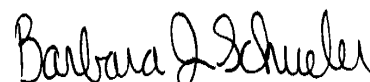
0.1 micron filtered

TEST	SPECIFICATION	RESULT	UNITS
¹ Electrophoretic Pattern	Normal	Normal	
² Endotoxin Testing	Check & Record	4.80	EU/mL
³ Hormone Profile: Estradiol	Check & Record	32.03	pg/mL
⁴ Hormone Profile: Estradiol	Check & Record	7.28	pg/mL
⁵ Mycoplasma, Supplemental (H-Stain)	Negative	Negative	
⁶ Mycoplasma Testing	Negative	Negative	
⁷ Osmolality	Check & Record	316	mOsm/kg
⁸ Performance Testing: Cloning Assay	Check & Record	78	%
⁹ pH	>=6.9 to <=7.8	7.3	
¹⁰ Sterility Testing	Negative	Negative	
¹¹ Total Protein	>=3.0 to <=5.0	3.3	g/dL
¹² VT - Bluetongue Virus FA	Negative	Negative	
¹³ VT - Bovine Adenovirus FA	Negative	Negative	
¹⁴ VT - Bovine Parvovirus FA	Negative	Negative	
¹⁵ VT - BVDV Fluorescent Antibody	Tested	Tested	
¹⁶ VT - Cytopathogenic Agents	Negative	Negative	
¹⁷ VT - Hemadsorbing Agents	Negative	Negative	
¹⁸ VT - Rabies Virus FA	Negative	Negative	

¹⁹ VT - Reovirus FA

Negative

Negative



Quality Systems Department

Date: 14-Jan-2013

REFERENCES:

- 1 Cellulose Acetate - Life Technologies Specifications
- 2 Current United States Pharmacopeia, <85> Bacterial Endotoxins Test.
- 3 McCann, J.P. and Reimers, T.J. (1986) J. Anim. Sci. 62, 772. Modified by Cornell Endocrinology Diagnostic Laboratory, New York College of Veterinary Medicine, Ithaca N.Y. 14853.
- 4 McCann, J.P. and Reimers, T.J. (1986) J. Anim. Sci. 62, 772. Modified by Cornell Endocrinology Diagnostic Laboratory, New York College of Veterinary Medicine, Ithaca N.Y. 14853.
- 5 Hoechst H Stain Chen, T.R. (1977) Exp. Cell Res., 104, 255 Life Technologies Modified.
- 6 Barile, M.F. and Kern, J. (1971) P.S.E.M.B. 138, 432, Life Technologies Modified.
- 7 Life Technologies Specifications.
- 8 Life Technologies Specifications, Ref.: GIBCO Catalog. Cell Line Used: Sp2/O-Ag14 (ATCC No. CRL-1581) or P3 x 63 - Ag8.653 (ATCC No. CRL-1580). The cloning efficiency assay analyzes the ability of each FBS lot to support cloning and growth of murine myeloma cells and derived hybridomas.
- 9 Life Technologies Specifications.
- 10 Current edition of USP.
- 11 Tietz, Norbert W. : Biuret Method for the Determination of Total Protein in Serum and Exudates. Fundamentals of Clinical Chemistry, 1976, pages 302-304.
- 12 Virus Testing (VT) is performed according to the Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].
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