



## Certificate of Analysis

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

**Catalog Number:** A33821  
**Lot Number:** 1921068

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**Storage Temperature:** -5 to -20C  
**Storage Instructions:** Protect from light  
**Country of Origin:** US  
**Expiration Date:** 2019-09  
**Originated From:** 1921068\_P01/12676

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For research use or further manufacturing use only. Serum and blood proteins are not for direct administration into humans or animals.

Sterile filtered (0.1 um)

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TEST	SPECIFICATION	RESULT	UNITS
<sup>1</sup> Electrophoretic Pattern	Normal	Normal	
<sup>2</sup> Endotoxin Testing	Check & Record	<0.05	EU/mL
<sup>3</sup> Hormone Profile: Estradiol	Check & Record	17.20	pg/mL
<sup>4</sup> Hormone Profile: Estradiol	Check & Record	<15.00	pg/mL
<sup>5</sup> Mycoplasma, Supplemental (H-Stain)	Negative	Negative	
<sup>6</sup> Mycoplasma Testing	Negative	Negative	
<sup>7</sup> Osmolality	Check & Record	307	mOsm/kg
<sup>8</sup> Performance Testing: Cloning Assay	Check & Record	4	%
<sup>9</sup> pH	>=6.9 to <=7.8	7.4	
<sup>10</sup> Sterility Testing	Negative	Negative	
<sup>11</sup> Total Protein	>=3.0 to <=5.0	3.5	g/dL
<sup>12</sup> VT - Bluetongue Virus FA	Negative	Negative	
<sup>13</sup> VT - Bovine Adenovirus FA	Negative	Negative	
<sup>14</sup> VT - Bovine Parvovirus FA	Negative	Negative	
<sup>15</sup> VT- BRSV Fluorescent Antibody	Negative	Negative	
<sup>16</sup> VT - BVDV Fluorescent Antibody	Tested	Tested	
<sup>17</sup> VT - Cytopathogenic Agents	Negative	Negative	

<sup>18</sup> VT - Hemadsorbing Agents	Negative	Negative
<sup>19</sup> VT - Rabies Virus FA	Negative	Negative
<sup>20</sup> VT - Reovirus FA	Negative	Negative

Read SDS



Quality Systems Department

Date: 06-Nov-2017

**REFERENCES:**

- 1 Protein Electrophoresis - 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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