

Certificate of Analysis

Horse Serum Heat Inactivated

Heat Inactivated with mixing in a thermostatically controlled waterbath at 56C for 30 minutes.

Catalog Number: 26050
Lot Number: 1865010

Storage Temperature: -5 to -20C

Country of Origin: New Zealand

Expiration Date: 2021-01

For in vitro diagnostic use. CAUTION: Not for human or animal therapeutic use. Uses other than the labeled intended use may be a violation of local law.

0.2 micron filtered

TEST	SPECIFICATION	RESULT	UNITS
¹ Electrophoretic Profile	Normal	Normal	
² Endotoxin	Check & Record	<0.500	EU/mL
³ Equine Infectious Anaemia	Negative	Negative	
⁴ Haemoglobin <i>Testing performed post heat inactivation</i>	Check & Record	6.0	mg%
⁵ Mycoplasma Screen	Negative	Negative	
⁶ Osmolality	>=270 to <=310	293	mOsm/kg H2O
⁷ pH	>=6.8 to <=7.6	7.1	
⁸ Sp2 Toxicity Assay	Check & Record	99	%
⁹ Sterility	Negative	Negative	
¹⁰ Total Protein	>=5.3 to <=7.9	6.4	g/dL
¹¹ Virus: Bovine Viral Diarrhoea Virus	Negative	Negative	
¹² Virus: Cytopathogenic Agents	Negative	Negative	
¹³ Virus: Equine Herpes	Negative	Negative	
¹⁴ Virus: Equine Viral Arteritis	Negative	Negative	
¹⁵ Virus: Haemadsorbing Agents	Negative	Negative	
¹⁶ Virus: Rabies Virus	Negative	Negative	
¹⁷ Virus: Reovirus	Negative	Negative	

Certificate of Analysis

(Continued)

All testing performed prior to heat inactivation unless otherwise stated.

GIBCO brand, Life Technologies cell culture liquid products are prepared by an aseptic process for which each step has been validated to ensure that all products meet the industry standard sterility assurance level of 10^{-3} ; i.e. product that demonstrates a contamination level of no more than 1 of 1,000 units during the manufacturing process. The highest level of sterility assurance (equal to or greater than 10^{-6}) cannot be achieved without terminal sterilization which is harmful to the performance of cell culture products.

NOTICE: Since our sera are not pre-aged before filtration, turbidity or flocculent debris may develop upon thawing or storage. This condition does not adversely affect performance characteristic of the serum.

----- Life Technologies New Zealand Limited is ISO9001 Certified and Licensed with Ministry for Primary Industries -----



Quality Systems Department Date: 07-Mar-2017

REFERENCES:

- 1 Protein Electrophoresis.
- 2 LAL Chromogenic, Current edition of USP.
- 3 Gel Diffusion Test, Pearson, J.E., Coggins, L., (1979) American Association Veterinary Laboratory Diagnosticians 22nd Annual Proceedings, 449-462.
- 4 Determined Spectrophotometrically, Fleming, A.F. and Woolf, A.J. Clin. Chem. 12, 67, 1965.
- 5 Barile, M.F. & Kern, J. (1971) P.S.E.M.B. 138, 432, Life Technologies Modified.
- 6 Freezing Point Depression
- 7 Combined Electrode, USP/EP.
- 8 Life Technologies Specifications, Ref Life Technologies Catalog. Cell Line Used: Sp2/O-Ag14 (ATCC No. CRL-1581). Test samples were evaluated for nutritional support of target cells utilizing the murine myeloma cell line Sp2/O-Ag14 (Sp2). Comparable growth rates of Sp2 cells in samples of complete test medium were obtained relative to parallel cultures grown in reference control medium.
- 9 Current edition of USP and EP
- 10 Biuret Method: Dumas et al. (1975). Clin. Chem. 21, 1159.
- 11 Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].
- 12 Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].
- 13 Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].
- 14 Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].
- 15 Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].
- 16 Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].
- 17 Code of Federal Regulations, (CFR), Title 9, Part 113.53 (c) [113.46, 113.47].