

Certificate of Analysis



PRODUCT: *TransSerum*® FQ Fetal Bovine Serum

CAT. NO.

FS301

AMOUNT

2*500 ml

LOT NUMBER

O20206

SHELF LIFE

5 years

STORAGE CONDITIONS

at -20 °C

SHIPPING CONDITIONS

Dry ice

DESCRIPTION

TransSerum® FQ Fetal Bovine Serum is collected from Australian healthy fetal blood, followed by filtration through 0.1 µm filters for three times. This product offers excellent growth states for a broad range of cells, including mesenchymal stem cells.

- Promoting better cell growth.
- Lower cytotoxicity.
- Not suitable for human vaccines production.

PACKAGE CONTENTS

Component	Volume
FS301-02	500 ml

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QUALITY CONTROL DATA

Assay	Standard		Result
Appearance	Light yellow, clear and slightly viscous liquid, no hemolysis or foreign matters.		Meets standards
pH (25 °C)	6.9-8.0		Meets standards
Osmolality	280-340 mOsmol/kg		Meets standards
Total protein level	30-45 mg/ml		Meets standards
Sterility testing	No bacterial or fungal growth		Meets standards
Mycoplasma testing	No mycoplasma contamination		Meets standards
Virus testing	Bovine viral diarrhea virus (BVDV)	Negative	Meets standards
	Bovine parainfluenza virus	Negative	Meets standards
	Bovine reovirus	Negative	Meets standards
	Rabies virus	Negative	Meets standards
	Bovine adenovirus	Negative	Meets standards
	Bovine parvovirus (BPV)	Negative	Meets standards
Endotoxin level	≤10EU/ml		Meets standards
Cell growth promotion assay	Cells are continuously passaged and counted in each generation. For each generation of cells, the number is not lower and the status is not weaker than that of the control batch.		Meets standards
Cell growth curve	The cell proliferation rate is not lower than that of the control batch.		Meets standards
Lentivirus packaging	Use the serum to be tested and the control serum to culture HEK-293T separately for lentivirus packaging. The packaged lentivirus is used to infect HEK-293T cells after serial dilutions. After 48 hours, the virus titer is measured using fluorescent microscopy. The virus titer of using the serum to be tested is not lower than that of using the control serum.		Meets standards

Notice to Purchaser



All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact us at +86-10-57815027 or +86-400-898-0321.

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A handwritten signature in black ink that reads "Heng Zheng".

Manager, Quality Control Department

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