

Product Name	ESC/iPSC Qualified Fetal Bovine Serum (FBS)
Product Number	TBS8002
Product Lot	F1949331
Product Brand	Tribioscience, Inc.
Origin	United States
Manufact Date	12/20/2021
Expiration Date	12/20/2026

TEST
SPECIFICATION
RESULTS

Endotoxin	<= 5.00 EU/mL	0.03 EU/mL
Sterility	Sterile	Pass
Mycoplasma	None detected	None Detected
Osmolality	260 - 340 mOsm/kg	319 mOsm/kg
Bovine Adenovirus (type 3 and 5).	None Detected.	None Detected
Bovine Parvovirus	None Detected.	None Detected
Blue Tongue Virus	None Detected.	None Detected
BVDV by FA	Tested	Tested
Cytopathic Effect	None Detected	None Detected
Hemadsorption	None Detected	None Detected
Infectious Bovine Rhinotracheitis	None Detected	None Detected
Parainfluenza 3	None Detected	None Detected
Rabies Virus	None Detected	None Detected
Reovirus	None Detected	None Detected
Bovine Respiratory Syncytial Virus	None Detected	None Detected
Vesicular Stomatitis Virus	None Detected	None Detected
Bacteriophage Testing	Record (PFU/mL)	None Detected
Total Protein	3.0 - 4.5 g%	3.8%
Chemical Analysis	Cholesterol - Report result	32 mg/dL
Hormone Level	Estradiol - Report result	48 pg/mL
Iron	Report result	193 mcg/dL
Glucose	Report result	123 mg/dL
Insulin	Report result	8.0 mcU/mL
Sodium	Report result	140 mEq/L
Progesterone	Report result	< 0.2 ng/mL
Testosterone	Report result	78.9 pg/mL
Triglyceride	Report result	76 mg/dL
Serum Antibody Titer - BRSV	Report result	<1:2
Serum Antibody Titer - BVDV	Report result	1:2
Serum Antibody Titer - IBR	Report result	< 1:2
Serum Antibody Titer - PI3	Report result	< 1:2
Cloning Assay	Pass	Pass
Albumin	Report result	1.8 g/dL
Alpha Globulin	Report result	0.8 g/dL
Alpha 2 Globulin	Report result	0.5 g/dL
Beta Globulin	Report result	0.3 g/dL
Gamma Globulin	Report result	0.1 g/dL
Insect Cell Culture Test	Tested	Tested
Insect Cell Lines	Record cell line use	Sf9 cell line
pH	6.7- 8	7.4
Bovine IgG	<= 1 mg/mL	0.133 mg/mL
Serum Performance Test	Pass	Pass
Hemoglobin	<= 20 mg%	7 mg%
Appearance	Clear straw to amber colored liquid	Clear amber colored liquid



Tomas Peng
 Department of Quality Control
 Tribioscience Inc