

PRODUCT: Tet System Approved FBS**CATALOG No.** 631106
AMOUNT 500 ml**LOT NUMBER:** A30110-7010**STORAGE CONDITIONS**
Store at -20°C .**SHELF LIFE**
1 year from date of receipt under proper storage conditions.**SHIPPING CONDITIONS**
Dry ice (-70°C)**DESCRIPTION**

Fetal Bovine Serum (FBS) that has been functionally tested for optimal use with all of our Tet Systems. This FBS does not contain trace levels of tetracycline (or its derivatives) which have been observed to interfere with proper regulation of TRE-controlled gene expression. Use of this serum ensures the maximal range of induction possible with the Tet Systems.

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA**Functional testing:**

Tet System Approved Fetal Bovine Serum has been tested at Clontech with the CHO-AA8-Luc Tet-Off® cell line which is sensitive to nanogram concentrations of tetracyclines. The full range of induction possible with the Tet system was observed.

Manufacturer testing:

This serum has been derived from blood aseptically collected in approved abattoirs. The serum was aseptically processed and filter sterilized in Canada, in a facility registered with Medical Devices (U.S.) and following guidelines of the F.D.A. (U.S.) and H.P.B. (Canada). The country of origin of the crude blood (donor cow origin) is Mexico.

See back of page for details.

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(PA124297)

Product Integrity Analysis: This serum has been tested by the manufacturer and observed to conform to the following specifications:

<u>Test</u>	<u>Specification</u>
appearance	Clear yellow-amber
endotoxin	< 10.0 EU/ml
hemoglobin	≤ 20.0 mg/dL
IgG	< 250 mg/L
<i>Mycoplasma</i>	Not detected
adventitious virus:	Not detected
BVD, REO, Parvo, Rabies, Blue tongue, BRSV, Adeno 1, Adeno 5, HA, CPE	
BVD Antibody	< 1:2
pH	6.80 - 8.20
osmolality	280 - 340 mOsm/Kg
total protein	30 - 45 g/L
electrophoretic pattern	Normal
albumin	31.2 g/L
globulin	7.8 g/L
specific gravity	≥ 1.010 g/mL
cell toxicity	None
plating efficiency & population	Pass
sterility	No evidence of microbial growth

Product Chemical Analysis:

<u>Chemical/Biochemical</u>	<u>Concentration</u>
sodium	133 mmol/L
potassium	18.9 mmol/L
calcium	2.04 mmol/L
phosphorous	2.6 mmol/L
chloride	93 mmol/L
glucose	1.8 mmol/L
urea	4.3 mmol/L
creatinine	160 µmol/L
uric acid	54 µmol/L
bilirubin	2.3 µmol/L
LDH	338 U/L
cholesterol	0.5 mmol/L
ALP	154 U/L
ALT	5 U/L
AST	19 U/L
GGT	3 U/L
triglyceride	0.37 mmol/L

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This document has been reviewed and approved by the Clontech Quality Assurance Department.

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