



Rocky Mountain Biologicals, Inc

# Certificate of Analysis

## Porcine Serum- 0.2µm Filtered, Gamma Irradiated, US Origin

Product Number: PSF-BTG-35L  
 PSF-BTG-01L  
 PSF-BTG-5XM  
 PSF-BTG-SMP  
 PSF-BTG-CSP

Lot Number: 20161003PS  
 Date of Manufacture: 10/2016  
 Expiration Date: 10/2021  
 Storage Temperature: ≤ -10 ° C

BASIS FOR RELEASE

NOT FOR HUMAN OR ANIMAL CONSUMPTION

### CHEMICAL ANALYSIS

Test	Method	Specification	Result
Albumin	Chemistry Analyzer	As Reported	4.4 g/dL
ALT	Chemistry Analyzer	As Reported	24 U/L
AST	Chemistry Analyzer	As Reported	141 U/L
Bilirubin	Chemistry Analyzer	As Reported	0.2 mg/dL
Calcium	Chemistry Analyzer	As Reported	7.5 mg/dL
Cholesterol	Chemistry Analyzer	As Reported	90 mg/dL
Creatinine	Chemistry Analyzer	As Reported	1.6 mg/dL
Globulin	Chemistry Analyzer	As Reported	3.3 g/dL
Glucose	Chemistry Analyzer	As Reported	193 mg/dL
Hemoglobin*	Spectro. Assay	As Reported	26 mg/dL
Osmolality	Osmometer	206-345 mOsm/kg	332 mOsm/kg
pH	pH Meter	6.5 - 8.5	8.0
Phosphorus	Chemistry Analyzer	As Reported	14.3 mg/dL
Potassium	Chemistry Analyzer	As Reported	12.8 mEq/L
Sodium	Chemistry Analyzer	As Reported	141 mEq/L
Total Protein	Chemistry Analyzer	6.0 - 9.5 g/dL	7.7 g/dL
Urea	Chemistry Analyzer	As Reported	15 mg/dL

### MICROBIOLOGICAL ANALYSIS

Test	Method	Specification	Result
Endotoxin	LAL	As Reported	44.3 EU/mL
Mycoplasma*	9CFR 113.28	Not Detected	Not Detected
Sterility*	9CFR 113.26	No Growth	No Growth

### VIRAL ANALYSIS

Test	Method	Specification	Result
BVD	9CFR 113.53	Not Detected	Not Detected
CPE	9CFR 113.53	Not Detected	Not Detected
Hemadsorption	9CFR 113.53	Not Detected	Not Detected
PAV	9CFR 113.53	Not Detected	Not Detected
PHEV	9CFR 113.53	Not Detected	Not Detected
PPV	9CFR 113.53	Not Detected	Not Detected
Rabies	9CFR 113.53	Not Detected	Not Detected
REO Virus	9CFR 113.53	Not Detected	Not Detected
TGE	9CFR 113.53	Not Detected	Not Detected

### IDENTITY ANALYSIS

Test	Method	Specification	Result
Appearance	Visual	Clear Amber Solution	Pass

\*All test results are from representative batch samples tested prior to gamma irradiation.

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www.rmbio.com



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	PSF-BTG-01L	<b>Date of Manufacture:</b>	10/2016
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	PSF-BTG-SMP	<b>Storage Temperature:</b>	≤ -10 ° C
	PSF-BTG-CSP		

ADDITIONAL LOT INFORMATION

NOT FOR HUMAN OR ANIMAL CONSUMPTION

### Additional Testing

CUSTOMER SPECIFIC			
Test	Method	Specification	Result
PCVI	9CFR 113.53	As Reported	Not Detected
PCVII	9CFR 113.53	As Reported	Not Detected
Albumin	Protein Electrophoresis	As Reported	3.17 g/dL
Alpha 1 Globulin	Protein Electrophoresis	As Reported	0.61 g/dL
Alpha 2 Globulin	Protein Electrophoresis	As Reported	1.61 g/dL
Beta Globulin	Protein Electrophoresis	As Reported	1.13 g/dL
Gamma Globulin	Protein Electrophoresis	As Reported	1.00 g/dL

### STATEMENT OF ORIGIN

Raw serum used in the manufacture of this product was obtained from approved suppliers collecting from abattoirs in the United States from traceable animals originating from the United States. Full health, traceability, and required regulatory documentation are maintained under RMBIO's quality systems. The serum was processed, filtered, and finished in the United States.

### Approval

<b>Quality Assurance- Print Name:</b>	<b>Quality Assurance- Sign Name:</b>	<b>Date:</b>
<b>Terri Sorensen</b>		20 Apr 2017

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