



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: 20160928PS  
 Date of Manufacture: 09/2016  
 Expiration Date: 09/2021  
 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	74 U/L
AST*	Chemistry Analyzer	As Reported	392 U/L
Bilirubin*	Chemistry Analyzer	As Reported	0.2 mg/dL
Calcium*	Chemistry Analyzer	As Reported	9.7 mg/dL
Cholesterol*	Chemistry Analyzer	As Reported	86 mg/dL
Creatinine*	Chemistry Analyzer	As Reported	2.1 mg/dL
Globulin*	Chemistry Analyzer	As Reported	3.5 g/dL
Glucose*	Chemistry Analyzer	As Reported	139 mg/dL
Hemoglobin*	Spectro. Assay	As Reported	15.1 mg/dL
Osmolality	Osmometer	206-345 mOsm/kg	321 mOsm/kg
pH*	pH Meter	6.5 - 8.5	7.5
Phosphorus*	Chemistry Analyzer	As Reported	15.3 mg/dL
Potassium*	Chemistry Analyzer	As Reported	12 mEq/L
Sodium*	Chemistry Analyzer	As Reported	141 mEq/L
Total Protein*	Chemistry Analyzer	6.0 - 9.5 g/dL	7.9 g/dL
Urea*	Chemistry Analyzer	As Reported	13 mg/dL

MICROBIOLOGICAL ANALYSIS			
Test	Method	Specification	Result
Endotoxin*	LAL	As Reported	52.1 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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6015 Greg's Way | Missoula, MT 59808 | USA

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www.rmbio.com



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	PSF-BTG-01L	<b>Date of Manufacture:</b>	09/2016
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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	3.42 g/dL
Alpha 1 Globulin	Protein Electrophoresis	As Reported	0.43 g/dL
Alpha 2 Globulin	Protein Electrophoresis	As Reported	1.43 g/dL
Beta Globulin	Protein Electrophoresis	As Reported	1.16 g/dL
Gamma Globulin	Protein Electrophoresis	As Reported	0.96 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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