

**CERTIFICATE OF ANALYSIS**

Product Description: Fetal Bovine Serum  
Catalog No: 100-50, 100-500  
Lot No: 1032  
Storage: Keep frozen at -20 °C.

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| <u>TEST</u>                 | <u>METHOD</u>        | <u>SPECIFICATION</u> |
|-----------------------------|----------------------|----------------------|
| Cytotoxicity                | Cell Culture         | Non-toxic            |
| Endotoxin                   | LAL gel clot         | < 0.25 EU/mL         |
| Hemoglobin                  | Spectrophotometer    | < 17 mg/dL           |
| Identity                    | Electrophoresis      | Normal               |
| Mycoplasma                  | PCR & cell culture   | Negative             |
| pH                          | pH meter             | 7.68                 |
| Sterility                   | Modified 21CFR610.12 | No growth            |
| Total Protein               | BCA                  | 42g/L                |
| Bluetongue                  | Sheep inoculation    | Negative             |
| BVD Type I                  | virus culture        | Not detected         |
| BVD Type II                 | virus culture        | Not detected         |
| Bovine Herpes Virus 1 (IBR) | SVN                  | Not detected         |

**PERFORMANCE TESTING**

|        |                          |
|--------|--------------------------|
| BHK-21 | ≥ 95% of FBS control lot |
| Sf9    | ≥ 95% of FBS control lot |
| HeLa   | ≥ 95% of FBS control lot |
| L-929  | ≥ 95% of FBS control lot |
| COS-7  | ≥ 95% of FBS control lot |

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*This serum was collected from USDA approved and inspected abattoirs in the country of Mexico, which is recognized by the United States Department of Agriculture as being free of Foot and Mouth Disease, Rinderpest and Bovine Spongiform Encephalopathy (BSE). All fetal blood is collected from fetuses derived from healthy dams that have passed pre and post mortem USDA veterinary inspection. We certify that the Fetal Bovine Serum meet all requirements for Country of Origin and Abattoir-sourced Animals.*

NOTE: This material is intended for research use only and not for IVD use. Application of this product apart from the aforementioned use may be a violation of federal law.



Approved, Verified, & Dated by \_\_\_\_\_

July 5, 2011 \_\_\_\_\_

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