

## Fetal Bovine Serum

<b>Cat. No.</b>	<b>Size</b>	<b>Lot number:</b> 30401-C05
E5050-01	100 ml	<b>Origin:</b> Brazil
E5050-02	500 ml	<b>Date of manufacture:</b> May 2013
<b>Storage Conditions:</b> Store at -20°C		

## CERTIFICATE OF ANALYSIS

### Physical and Chemical Analysis      Specifications      Results

Appearance	Clear yellow-amber	<b>Clear yellow-amber</b>
pH	6.8 – 8.2	<b>7.6</b>
Endotoxin	< 10	<b>2.8 EU/ml</b>
Hemoglobin	< 20	<b>11.1 mg/dl</b>
Osmolarity	260 – 340	<b>300 mOsmol/kg</b>
Identity	Bovine	<b>bovine</b>

### Virus Testing

BVD	Not detected	<b>Not detected</b>
PI3	Not detected	<b>Not detected</b>
IBR/IPV	Not detected	<b>Not detected</b>

### Protein

Total Protein	34 – 42 g/dl	37 g/dl
Albumin	10-20 g/dl	17.53 g/dl
Alpha Globulin	10-20 g/dl	16.5 g/dl
Beta Globulin	1-5 g/dl	1.99 g/dl
IgG	< 600 µg/ml	96 µg/ml

### Sterility Testing

Aerobic Bacteria	Not detected	<b>Not detected</b>
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Fungi(Yeast & Mould)	Not detected	<b>Not detected</b>
Mycoplasma	Not detected	<b>Not detected</b>

### Cell Growth (number of cells per ml)

Cell line <b>L 929</b>	Seed	2. day	3. day	6. day	8.day
Test charge	1,00E+04	4,91E+05	6,86E+05	1,99E+06	2,48E+06
Control	1,00E+04	4,025E+05	6,55E+05	2,15E+06	2,37E+06

Cell line <b>MRC-5</b>	Seed	3. day	5. day	7. day	10.day
Test charge	1,00E+04	3,15E+05	3,22E+05	3,74E+05	6,12E+05
Control	1,00E+04	3,15E+05	3,30E+05	3,54E+05	5,84E+05

This product is developed, designed and sold exclusively for research purposes and *in vitro* use only.