

**FOR IN VITRO LABORATORY USE ONLY, NOT FOR DRUG, HUMAN  
VETERINARY USE****Collected from the source:**

BioWest Foetal Bovine Serum is derived from clotted whole blood aseptically collected from fetus via cardiac puncture.

**Filtration:**

Final Filter Size: 0.1µm, x 3

**Sterility:**

All sera are tested for the absence of aerobic and anaerobic bacteria, fungi, yeast and *Mycoplasma*.

The sterility test is based on the European Pharmacopeia requirements.

The sera are tested for the absence of *Mycoplasma* by culture.

**Virus Tested:**

All of our serum is tested for:

- Bovine Viral Diarrhoea (BVD)
- Infectious Bovine Rhinotracheitis (IBR)
- Parainfluenza Type 3 (PI3)

Sera are tested for the absence of the indicated viruses by inoculation to GBK cells. The revelation is made by indirect immunofluorescence.

The antibodies are tested by an Elisa method.

**Endotoxin:**

All sera are tested to determine the levels of endotoxins. BioWest carry out two tests.

1. Turbidimetric, a qualitative test
2. Chromokinetic, a quantitative test.

The endotoxin reagent is standardized against the US reference endotoxin. The method is based on "the bacterial endotoxins test", US pharmacopeia 23<sup>rd</sup> revision.

**Haemoglobin:**

The haemoglobin level is measured by spectrophotometer.

**Osmolarity:**

Determined by a lowered freezing temperature. The osmometer is calibrated against standard solutions

**Cell Culture:**

Biological performance is assessed using cell culture medium supplemented with the serum being tested.

During the test period, cultures are examined microscopically for any morphological abnormalities that may indicate toxic components in the serum.

**Cell Culture Tests:**

Cell Growth, Plating Efficiency, Cloning Efficiency.

**Cell Lines Tested:**

The following cell lines are tested with the serum:

- HELA -Cancer Cell/Human.
- L929 -Fibroblast-Mouse/ As Macrophage
- SP2/0-AG8 -Mouse/Lymphoma
- MRC- 5 -Human/Lung.

**Storage conditions:**

Store at -20°C

**Shelf life:**

8 years