

Cat N° S1500	Cat N° S1520	Cat N° S1560	Cat N° S1600	Cat N° S1610	Cat N° S1650	Cat N° S1700
Cat N° S1750	Cat N° S1800	Cat N° S1810	Cat N° S1820	Cat N° S1830	Cat N° S1840	

**FOR IN VITRO LABORATORY USE ONLY, NOT FOR DRUG, HUMAN  
VETERINARY USE**

**Collected from the source:**

When searchers choose their serum an important factor that should be taken into consideration is the source, which also emphasises the traceability of the serum.

Our system of vertical integration allows us to be certain of the origins and traceability of our FBS.

Each batch is rigorously controlled, from the collection of serum by our own staff (for french sera and from the importation for the other sera), and in all the stages of its treatment and production on our premises through to final packaging.

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 Pharmacopoeia 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 pharmacopoeia 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

## Biowest Datasheet for Fetal Bovine Serum Cat N°

**biowest**

Cat N° S1500	Cat N° S1520	Cat N° S1560	Cat N° S1600	Cat N° S1610	Cat N° S1650	Cat N° S1700
Cat N° S1750	Cat N° S1800	Cat N° S1810	Cat N° S1820	Cat N° S1830	Cat N° S1840	

### 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-AG14 -Mouse/Lymphoma

MRC- 5 -Human/Lung.

### Country of Origin:

The country in which the serum was taken from the donor/animal.

BioWest serum are sourced from the following countries

Cat N° S1500 Canada

Cat N° S1600 Central America

Cat N° S1700-Australia

Cat N° S1820 France

Cat N° S1840 Uruguay and Paraguay EDQM certified

Cat N° S1520 USA

Cat N° S1610 Dominican Republic

Cat N° S1750 Denmark

Cat N° S1830 South America

Cat N° S1560 Chile

Cat N° S1650 Mexico

Cat N° S1810 South America

### Storage conditions:

Store at -20°C

### Shelf life:

5 years