

Biowest Datasheet for Bovine Serum Cat N°

Cat N° S0250	Cat N° S0270	Cat N° S0290
--------------	--------------	--------------

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 Bovine Serum.

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 Bovine Serum is derived from clotted whole blood aseptically collected.

The serum is collected and imported in agreement with the European regulations.

Filtration:

Final Filter Size: 0.2µm, x 2

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 a chromokinetic, quantitative test.

The endotoxin reagent is standardized against the US reference endotoxin. The method is based on "the bacterial endotoxins test", US pharmacopeia 23rd 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 Bovine Serum Cat N°

Cat N° S0250	Cat N° S0270	Cat N° S0290
--------------	--------------	--------------

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

Country of Origin:

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

BioWest serum are sourced from the following countries

Cat N° S0250 France

Cat N° S0270 Central America

Cat N° S0290 Canada

Storage conditions:

Store at -20°C

Shelf life:

5 years