

Biowest Technical Datasheet for Fetal Horse Serum Cat N° S0960**FOR IN VITRO LABORATORY USE ONLY, NOT FOR DRUG, HUMAN
VETERINARY USE****Collected from the source, an important detail**

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

Our system of vertical integration allows us to be certain of the origins and tracability of our serum.

Whereby each batch is rigorously controlled, from the collection of serum, and in all the stages of its treatment and production on our premises through to final packaging.

BioWest Fetal Horse Serum is derived from clotted whole blood aseptically collected from foetus via the cardiac puncture.

Filtration:

Final Filter Size: 0.2 µm, x 2

Sterility:

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

Standard Tests:

All of our serum is tested for Equine Infectious Anemia (EIA)

Virus Tested:

The test is an "Elisa-test" out of pooled batches of final filtered products.

Endotoxin:

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

1. Turbidometric, 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 23rd revision.

Haemoglobin:

The haemoglobin level is measured by spectrophotometer.

Chemicals:

Ions, Enzymes, Precursors.

Electrophoretic Identity:

Examined for characteristic protein patterns on cellulose acetate in barbital buffer at pH 8.6.

Total Protein:

Determined by Electrophoresis.

Cell Culture:

Biological performance is assessed using cell culture medium supplemented with the serum being tested at a final concentration of 10%.

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.

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Determined by a lowered freezing temperature.

Mycoplasma:

Samples of each batch are inoculated into *Mycoplasma* Test Broth and incubated at 37°C. At day 7 or 14 the broth is subcultured onto 3T3 cell monolayers and *Mycoplasma* Test Agar Plates.

The petri dishes are incubated at 37°C for 7-14 days and visually examined. The 3T3 cell cultures are incubated for 4-5 days at 37°C then fixed and stained following the Hoechst fluorochrome technique and examined. The sample is tested against a positive sample.

Special Terms / Definitions**Country of Origin:**

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

Source:

Where the animal was bred and the raw materials collected.

European Community = EC Approved:

Meets with European Community requirements.

Virus Tested:

The product has been tested for the presence or absence of viral groups noted on the product analysis.

NCCC Guidelines = National Cell Culture Center

All of our test methods are based on the approved guidelines set by the NCCC (The National Cell Culture Center in the USA)