

**Biowest Technical Datasheet for Horse Serum Cat N° S0910**

**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 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 Horse Serum is derived from clotted whole blood aseptically collected from Horse via the vein. The animal is living in a controled herd. Each animal has his health protocol book.

**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*.

The sterility test is based on the European Pharmacopeia requirements.

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

**Virus Test:**

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

**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 23<sup>rd</sup> revision.

**Osmolarity:**

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

**Haemoglobin:**

The haemoglobin level is measured by spectrophotometer.

**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/O-AG14 -Mouse/Lymphoma

**Storage conditions:**

Store at -20°C

**Shelf life:**

5 years