

## New Born Calf Serum

**Origin:** Australian

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.

**Country of Origin:** Australian (USDA approved)

The serum is collected or imported and treated in agreement with the European regulations. The country in which the serum was taken from the donor/animal.

### **Virus Tested:**

All of our sera are tested for:

- Bovine Viral Diarrhoea (BVD)
- Cytopathogenic agents e.g. Infectious Bovine Rhinotracheitis (IBR) / BHV-1
- Hemadsorbing agents e.g. Parainfluenza Type 3 (PI3)

Sera are tested by inoculation to permissive cells.

The revelation is made by immunofluorescence for pestiviruses.

Cytopathogenic agents and hemadsorbing agents are detected by microscopic observations.

### **Endotoxin:**

All sera are tested to determine the levels of endotoxins. Nobimpex carries out a chromokinetic quantitative test, according to the method D of the European Pharmacopoeia. The endotoxin reagent is standardized against the US reference endotoxin. The endotoxin reagent is standardized against the US reference endotoxin.

### **Osmolality:**

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

**Shelf life :** 5 years

**Cell Culture Tests:** 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 Lines Tested:**

The following cell lines are tested with the serum:

L929 -Fibroblast-Mouse

As Macrophage SP2/0-AG14 -Mouse

*The product is intended to be used in vitro, in laboratory only.  
Do not use it in therapy, human or veterinary applications.*

