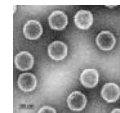
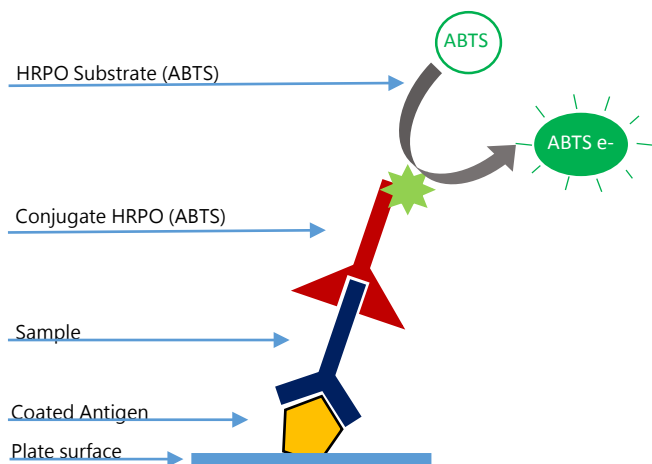


Life Technologies Equine Herpes Virus 1 & 4 (EHV) IgG ELISA Kit 5 X 96 Wells



LTHVE5

This ELISA Kit is based on an indirect ELISA technique, which uses a monoclonal antibody (MAb) specific for equine IgG



TECHNICAL BASIS OF THE KIT

1. Plates are coated with inactivated EHV antigen (type I). Serum samples are added and incubated.
2. If the samples contain specific antibodies to EHV, they will bind to the antigen.
3. When a MAb-PO specific of equine IgG is added, it will bind to the EHV specific IgG previously bound to the antigen. The binding is detected by the development of a colorimetric reaction after the addition of the substrate.

APPLICATION

Detection of specific antibodies to Equine Herpes Virus 1 & 4 (EHV) in equine serum samples

INTERPRETATION OF THE RESULTS

One cut off is used for the results interpretation: Samples will be considered **Positive** if their S/P value is higher than the Cut Off. Samples will be considered **Negative** if their S/P value is lower than the Cut Off.

VALIDATION

CORRESPONDENCE WITH SERONEUTRALIZATION (SN)

Correspondence of the assay respect of the reference technique (seroneutralization) is higher than 85%

USE OF REFERENCE SERA

This assay has been validated with positive and negative sera from the EHV OIE Reference laboratory (Animal Health Trust, UK). These sera had been previously evaluated by Complement Fixation (CF) and by qPCR of swab nasal samples from the same horses, to determine their specificity regarding serotype 1 or 4. Results obtained are shown in the table.

| sample | FC | | qPCR | | Life Tech Kit |
|---------|--------|--------|--------|--------|---------------|
| | Type 1 | Type 4 | Type 1 | Type 4 | |
| EHV-1.1 | +++ | + | + | - | POS |
| EHV-1.2 | +++ | + | + | - | POS |
| EHV-1.3 | +++ | + | + | - | POS |
| EHV-4.1 | + | +++ | - | + | POS |
| EHV-4.2 | + | +++ | - | + | POS |
| EHV-NEG | - | - | nd | nd | NEG |
| EHV-NEG | - | - | nd | nd | NEG |
| EHV-NEG | - | - | nd | nd | NEG |
| EHV-NEG | - | - | nd | nd | NEG |
| EHV-NEG | - | - | nd | nd | NEG |

nd: not determined

COMPOSITION OF THE KIT

- Microtitration plates of 96 well coated with antigen
- Vials with Positive Control
- Vials with Negative Control
- Vials with Peroxidase Conjugate
- Bottle with Washing Solution
- Bottle with Diluent
- Bottle with Stop Solution
- Bottle with Substrate (ABTS)