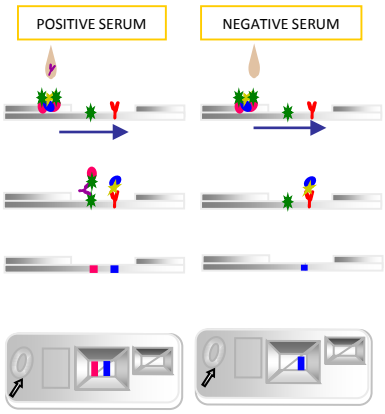
INgezim AHSV CROM

R.14.AHSV.K41

INgezim AHSV CROM is a lateral flow assay for antibody detection, based on the VP7 protein from the African Horse Sickness Virus (AHSV).



TECHNICAL BASIS

The device consists of a test strip inside a plastic housing with two windows

- Sample addition window: in which the sample and running buffer are added. Slightly above from this window there is the conjugate pad (not visible) that contains the VP7 and a control protein covalently conjugated to coloured latex microparticles.
- Results' interpretation window: in which the test and control lines can be observed, yielding a positive/negative result. This window shows the membrane region of the test strip that contains the VP7 test line (T) and a control line (C) composed by an antibody specific to the control protein.

When the sample is added, if there are antibodies (Ab) anti-AHSV, they will bind to the VP7 protein conjugated to the latex beads, forming an immune complex. This immune complex (latex-VP7-Ab) will flow along the membrane by capillarity, and it will bind to the antigen (VP7 protein) immobilized on the test zone (T), showing a visible pink/red line. The blue line at the control zone (C) must always appear to validate the assay.

APPLICATION

Detection of antibodies specific of AHSV VP7 protein in equine serum, plasma and blood samples

ANALYTICAL SENSITIVITY

- Sera of experimentally infected sheep (AHSV serotypes 2, 3, 4 and 9).
- Sera of experimentally infected goats (all the 9 AHSV serotypes)

The assay is able to detect AHSV-specific antibodies from day 7 post infection, and it recognizes specific antibodies from all the 9 AHSV serotypes.

ANALYTICAL SPECIFICITY

- 20 equine positive sera to Equine Arteritis Virus.
- 24 bovine sera positive and 24 bovine sera negative for BTV

There is no cross reactivity with other relevant infectious agents

DIAGNOSTIC SENSITIVITY

- 12 equine AHSV positive sera by seroneutralization
- 4 equine sera from AHSV-infected animals positive by competition ELISA
- 20 equine sera from AHSV vaccinated animals, positive by Competition ELISA and Double Recognition ELISA.

100% correlation with the used techniques.

DIAGNOSTIC SPECIFICITY

- 510 equine sera from AHSV free areas.

Specificity > 99%

COMPOSITION OF THE KIT

- Chromatographic devices
- Vials with diluent

PRODUCT MANUFACTURED BY INGENASA
REGISTRATION NUMBER 2070 RD

IT-73840
IT-73780
ISO 14001:2015
9191.INGE
ISO 9001:2015
9175.ING2

SHELF LIFE: 24 months
Stored at 4ºC-25ºC

Ed.250117

INMUNOLOGÍA Y GENÉTICA APLICADA, SA – C/ Hermanos García Noblejas, 39 – 28037 MADRID (SPAIN) – Tel (+34) 91 368 0501
www.ingenasa.com