



Reliability in serology of Epizootic Hemorrhagic Disease

Since 2022, the epizootic hemorrhagic disease (EHD) has spread across Europe, driven by environmental and epidemiological changes, causing mortality and loss of productive performance in cattle.

We present the development of **INgezim[®] EHDV Compac**, a robust, versatile, and reliable diagnostic tool suitable for epidemiological surveillance and differential diagnosis of epizootic hemorrhagic disease in multispecies settings, facilitating early detection and effective control of the disease in Europe.

The new **INgezim[®] EHDV Compac** is a competitive ELISA that detects antibodies against the VP7 protein of EHDV virus in various species and biological matrices.

Validated on samples from cow, goat, sheep, deer and mouflon.

- Coated antigen: Recombinant VP7 protein, highly conserved across serotypes.
- **Sensitivity of 99.9% and specificity of 99.8% (n=2696).**
- Validated for whole blood, serum or plasma.
- Validated for blood dried on **filter paper**, facilitating sample collection and transport (tested with paired samples from 115 animals).
- High exclusivity against related Orbiviruses, no cross-reactivity with antibodies against BTV.
- Does not present cross-reactivity with antibodies against TB, BVD, IBR.
- Simplified protocol, without sample pre-dilution, incubations at room temperature.
- Registered in Spain.
- Two formats available, 2 and 5 plates.

Product	Method	Analyte	Matrix	Format/Number of Tests	Article ref.
INgezim [®] EHDV Compac	ELISA, Blocking	Antibodies	Blood, serum, plasma, blood on filter paper	2 pl/192 Samples 5 pl/480 Samples	R.12.EHD.K.3/2 R.12.EHD.K.3/5