



Easy-to-use kits, ready to use.
Lyophilised product



Transport and storage **at room temperature.**



Designed and manufactured in
accordance with **ISO 13485**

RUO Research Use Only

TROPICAL & VECTOR-BORNE

HAN
MONOPLEX

Hantavirus

- ▶ Hantaviruses belong to the family *Hantaviridae*, genus *Orthohantavirus*, and each virus is usually associated with a specific reservoir rodent species. The following can be distinguished:
 - **Old World hantaviruses (Hantaan virus, Dobrava-Belgrade virus, Seoul virus and Puumala virus):** currently associated with regions in Asia and Europe; these viruses primarily cause haemorrhagic fever with renal syndrome (HFRS).
 - **New World hantaviruses (Andes virus, Sin Nombre virus, Laguna Negra virus, Choclo virus, Black Creek Canal virus and Bayou virus):** currently found only in the Americas; these viruses predominantly cause hantavirus cardiopulmonary syndrome (HCPS), characterised by pulmonary oedema, respiratory failure and **high mortality.**
- ▶ Recent cases of hantavirus infection reported in South America and Europe have sparked renewed interest in emerging hantaviruses, particularly **Andes orthohantavirus (ANDV)**, the main causative agent of HCPS in Argentina and Chile.
- ▶ Unlike other known hantaviruses, ANDV is the only one for which **person-to-person transmission** has been consistently documented, a unique epidemiological feature that highlights the importance of early detection and molecular surveillance.
- ▶ The rapid identification of infected individuals is crucial for implementing **control measures and contact tracing**, making **molecular methods** an essential tool for **early diagnosis**, as they enable the specific detection of viral RNA during the acute phase of infection, even before a detectable immune response has developed.

Hantavirus

VIASURE Andes hantavirus Real Time PCR Detection Kit is a RUO real time qPCR test designed for the qualitative detection of RNA from Andes hantavirus (ANDV) in EDTA-whole blood, and derivatives (such as serum and plasma).

RNA is extracted from EDTA-whole blood, serum and plasma samples; this extracted target RNA is transcribed to produce complementary DNA (cDNA) and amplified using real-time amplification and is finally detected using primers specific to the *S segment* of the virus and a fluorescent probe.



Lyophilized



Ready to use



Stable at room temperature



With endogenous control detection



Multiple formats for greater flexibility

► References - VIASURE Andes hantavirus Real Time PCR Detection Kit (RUO)

1 x 8-well strips, low profile	VS-HAN101LNRUO	1 x 8-well strips, high profile	VS-HAN101HNRUO
6 x 8-well strips, low profile	VS-HAN106LNRUO	6 x 8-well strips, high profile	VS-HAN106HLNRUO
12 x 8-well strips, low profile	VS-HAN112LNRUO	12 x 8-well strips, high profile	VS-HAN112LNRUO
96-well plate, low profile	VS-HAN113LNRUO	96-well plate, high profile	VS-HAN113HNRUO
4 tubes x 24 reactions	VS-HAN196TNRUO		

For more information and use procedure, read the instructions for use included in this product.



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