

ViroReal[®] Kit Maedi-Visna Virus



For veterinary use

ViroReal[®] Kit Maedi-Visna Virus

Order no.	Reactions	Pathogen	Internal positive control
DVEV03513	100	FAM channel	Cy5 channel
DVEV03553	50	FAM channel	Cy5 channel
DVEV03511	100	FAM channel	VIC/HEX channel
DVEV03551	50	FAM channel	VIC/HEX channel

Kit contents:

- Detection assay for MVV (maedi-visna virus)
- Detection assay + target for internal RNA positive control (control of RT-PCR amplification and/or RNA extraction)
- RNA reaction mix for one-step reverse transcription real-time PCR
- Nuclease-free water
- Positive control (RNA) for maedi-visna virus



Background: The Maedi-Visna virus (MVV) also called ovine lentivirus (OvLV) is a single-stranded RNA small ruminant lentivirus (SRLV) within the retrovirus family. There are neurovirulent and non-neurovirulent strains of MVV. The MVV is closely related to the caprine arthritis encephalitis (CAE) virus. Both infect cells of the monocyte/macrophage lineage and cause lifelong infections. Visna (“wasting”, in Icelandic) is a slow progressive encephalomyelitis of sheep. Although most infections are subclinical, a minority of animals develops progressive, untreatable disease syndromes including dyspnea (maedi), slowly progressive arthritis, mastitis or neurologic signs (visna) such as encephalitis. The natural transmission of MVV is mostly by the respiratory route, but also to newborn lambs by colostrum and milk. Maedi-visna is an economically important viral disease of sheep that occasionally affects goats.

Description: ViroReal[®] Kit Maedi-Visna Virus is based on the amplification and detection of the gag polyprotein gene by one-step reverse transcription real-time PCR (RT PCR). It allows the rapid and sensitive detection of MVV RNA purified from blood (mononuclear cells, PBMC) (e.g. with the QIAamp Viral RNA Mini Kit, Qiagen).

PCR-platforms: ViroReal[®] Kit Maedi-Visna Virus is developed for the Applied Biosystems[®] 7500 instrument (Thermo Fisher Scientific), LightCycler[®] 480 (Roche) and Mx3005P[®] QPCR System (Agilent), but is also suitable for other real-time PCR instruments.

**BactoReal[®], MycoReal, ParoReal and ViroReal[®] Kits run with the same thermal cycling conditions.
RNA and DNA material can be analysed in one PCR run.**

For further information on our products please visit our homepage (www.ingenetix.com)