



Ancylostoma duodenale

SKU: QM4002

Product Categories: [Fabricante](#), [Humana](#), [PCR](#), [Vivantis](#)

Product Page:

<http://vacunek.com/shop/manufacturer/vivantis/ancylostoma-duodenale-2/>

Product Summary

Description

The ViPrimePLUS Ancylostoma duodenale qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Ancylostoma duodenale genomes in clinical samples (e.g. stool), food samples (e.g. undercooked meat) and soil samples.

(RUO)

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Hookworms are common soil transmitted nematodes which cause severe anemia and iron deficiency in children from the tropics. Ancylostoma duodenale and Necator americanus are responsible for 576–740 million human hookworm infections worldwide. A. duodenale is also an important animal pathogen that causes gastrointestinal disease and malnourishment. Prevalence of A. duodenale infection is mainly in North Africa, the Middle East and India, whereas N.

americanus predominantly affects the Sub-Saharan Africa, South-East Asia, and the Americas. Aside from transmission through ingesting contaminated food, the infective larva in the soil could penetrate human skin and access into the host body circulation as well. They travel to the lung and intestine, residing and causing infection. In the intestine, the adult hookworms will attach to the blood vessels and feed on the nutrients from the host blood, leading to severe blood loss and diarrhea. Infection in the lung resulted in inflammation. Both parasitic infections are treated with anthelmintic medicine. Real time PCR provides a fast, specific and sensitive detection of these parasites, even in the egg form.

ViPrimePLUS Ancylostoma duodenale qPCR Kit is intended for research use only.

Kit Component

A. duodenale Primers and Probe Mix (A. duodenale PPM)

- Positive Control - Internal Extraction Control Primers and Probe Mix (IEC PPM)
- Internal Extraction Control (IEC DNA) - Nuclease Free Water - Template Preparation Buffer

Product Specification

Technology

Taqman probe-based real-time PCR assay

Type of Nucleic Acid Kit

DNA

Kit Storage

Shipped in room temperature, store at -20°C on arrival

Sample Material

- Clinical samples (e.g. blood)
- Food samples
- Environmental samples (e.g. soil)

Gene Target

5.8S ribosomal RNA

Detection Limit

10 to <100 copies per reaction

Sensitivity & Specificity

Ct value 28 ± 3 with probability of 95%

Controls Included

- Internal Extraction Control (IEC) as inhibition control
- Positive control

Channels

- FAM channels detect pathogen amplicons
- VIC/HEX channel detects IEC amplicons

Solicitar Manual

Product Attributes

- Reacciones: 150 rxns