

VIrapid® HYDATIDOSIS

A new rapid test for serological confirmation

Simple • Rapid • Accurate

Immunochromatographic test for the qualitative detection of total antibodies against *E. granulosus* in both serum and plasma samples.

Product features:

- Rapid detection- Visual reading in just 30 minutes
- User friendly protocol with little manipulation
- All necessary reagents are included in the kit
- Product control line on each device
- Based on specific and highly purified antigen (conjugate and line)
- Excellent performance with 94.7% sensitivity and 99.5% specificity

(282 samples tested by ELISA and IHA)



Ref. VR004 25 tests



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Worldwide presence

Hydatidosis is an infection caused by *Echinococcus granulosus*, related to extensive cattle raising.

The disease has a virtually worldwide presence since there are very few countries that are considered to be completely free of *E. granulosus*. It reaches high incidence in North Africa, Middle East and some countries in Europe like Spain, Portugal, Italy and Greece, among others. This disease is also prevalent in countries like Argentina, Uruguay, Chile and Australia.

Diagnostic tools

In humans, manifestations of the disease are localized in the liver (75% of cases), the lungs (5-15%) and other organs in the body such as the spleen, brain, heart and kidneys (10-20%). The disease develops as a slow-growing mass in the body, often called cyst.

Imaging techniques such as ultrasound scan or X-ray are the tools usually used to diagnose hydatidosis. However, symptoms of hydatid cyst must be always confirmed by serological assays.

The serological results depend on a large number of factors such as antigen quality, technique employed, affected organ, number of hydatid cysts as well as variability of immune responses. Due to the variable sensitivity of the different tests, many laboratories usually carry out at least two different techniques for their routine diagnosis.

VIRapid® HYDATIDOSIS is the first immunochromatographic test in the market for hydatidosis detection and offers important benefits for both, big and small laboratories, in prevalent areas against the techniques currently used.

A HPLC-purified *E. granulosus* 5/B enriched antigen is used to improve the specificity of the assay while keeping a high sensitivity.

Excellent performance

		Commercial IHA and ELISA kits		Total
		Positive	Negative	
VIRapid®	Positive	72	1	73
HYDATIDOSIS	Negative	4	205	209
Total		76	206	282

VIRapid® HYDATIDOSIS sensitivity: 94.7 % (72/76)

VIRapid® HYDATIDOSIS specificity: 99.5 % (205/206)

Test procedure

