

Datasheet for ABIN997045

Leishmania LPG ELISA Kit

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Overview

Quantity:	96 tests
Target:	Leishmania LPG (LPG)
Reactivity:	Leishmania
Method Type:	Competition ELISA
Application:	ELISA

Product Details

Purpose:	The Leishmania ELISA Kit is for the screening of serum antibodies, primarily IgG, for visceral Leishmania using the ELISA technique.
Sample Type:	Serum
Analytical Method:	Qualitative
Detection Method:	Colorimetric
Specificity:	97%
Sensitivity:	84%

Target Details

Target:	Leishmania LPG (LPG)
Alternative Name:	Leishmania (LPG Products)
Target Type:	Species
Background:	Visceral Leishmaniasis (VL) is a severe disease with high mortality, caused by parasite

Target Details

members of the *L. donovani* complex. The vector for transmission is the sand fly, whose carriers of infection are typically dogs. It is a disease endemic to many countries and is a serious problem in many developing nations, particularly with the increasing urbanization of populations. High incidence is encountered in parts of Latin America, East Africa, Middle East, India and China. It is endemic to countries bordering the Mediterranean such as Italy, Southern France, Spain, Portugal, and Northern Africa. In Southern Europe, VL has become the leading opportunistic infection in AIDS patients. Diagnosis of acute VL is often attempted by aspiration of bone marrow for direct parasite identification. The procedure is invasive, painful, dangerous and has a low success rate due to the inability to always isolate parasites from the tissue. Alternatively, serodiagnosis is widely utilized since anti-leishmanial antibody titers are typically high during the acute disease phase. ELISA is the preferred laboratory test for serodiagnosis of VL, although indirect immunofluorescent antibody tests (IFAT) and direct agglutination tests (DAT), using whole parasites, are still widely used in conjunction with ELISA or alone.

Application Details

Sample Volume:	10 µL
Assay Time:	< 1 h
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Expiry Date:	12 months