

Human Leptospira IgM ELISA Kit | IgM elisa kit

Leptospira IgM ELISA Kit

CATALOG #
AAA72650

REACTIVITY
Human

PRODUCT SYNONYMS

Leptospira IgM; Leptospira IgM ELISA Kit; IgM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Leptospira IgG and IgM ELISA was verified in an internal study. The sensitivity exceeded 94.5% and specificity exceeded 99%.
Samples	Various kinds of samples
Preparation and Storage	2 - 8 degree C

ADDITIONAL INFORMATION

Related Product Information for IgM elisa kit	Background: Leptospire are spiral-shaped, gram-negative obligate aerobic spirochetes with internal flagella. The genus is divided into two species, the pathogenic <i>Leptospira interrogans</i> and the free-living nonpathogenic <i>Leptospira biflexa</i>. <i>Leptospira interrogans</i> has about 200 different serovars based on the variability of surface antigens. Leptospire affect mammals (wild and domestic animals), reptiles and amphibians; they may be shed in the urine lifelong. Rats and other rodents are primary reservoirs for human infection with transmission being effected by urine-contaminated soil or water, rat bites or infected animal tissues. Principle of the Assay: The ELISA (Enzyme Linked Immunosorbent Assay) is an immunoassay, which is particularly suited to the determination of antibodies in various kinds of samples. The reaction is based on the specific interaction of antibodies with their corresponding antigen. The test strips of the microtiter plate are coated with specific antigens of the pathogen of interest. If antibodies in the sample are present, they bind to the fixed antigen. A secondary antibody, which has been conjugated with the enzyme alkaline phosphatase, detects and binds to the immune complex. The colourless substrate p-nitrophenylphosphate is then converted into the coloured product p-nitrophenol. The signal intensity of this reaction product is proportional to the concentration of the analyte in the sample and is measured photometrically. Intended Uses: The ELISA <i>Leptospira</i> IgG and IgM tests are qualitative immunoassays for the detection of human IgG or IgM antibodies directed against <i>Leptospira</i>. The <i>Leptospira</i> IgG and IgM ELISA tests are recommended for the sensitive detection of such antibodies in various kinds of samples.
Product Categories/Family for IgM elisa kit	Infectious Disease ; Research Assays ; Assay Categories

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.