

# Technical Data

Kit Size	96 Tests
Sample Dilution	1:100
Assay Timing	20 + 20 + 10 minutes
Standards	Cut-Off Calibrator
Typical CVs	<12%
Quality Control	Positive and Negative controls
Microplate Photometer	Read at 450nm
Product code	GD81

## Toxoplasma IgM

The Genesis Toxoplasma IgM kit is a rapid ELISA designed for the presumptive qualitative determination of IgG antibodies to *Toxoplasma gondii* in human serum or plasma samples.

*Toxoplasma gondii* is an intracellular protozoan parasite with a world-wide distribution. Although cats are the definitive host, the parasite can infect almost all mammals and birds. Human infection results from ingestion of contaminated soil, careless handling of cat litter, ingestion of raw or undercooked meat or transmission from mother to foetus through the placenta.

Serological data indicates that approximately 30% of the population of most industrialised nations are chronically infected with the organism. Infection with *T. gondii* is asymptomatic in the majority of cases. The most common clinical symptoms of acute toxoplasmosis in the adult are asymptomatic lymphadenopathy, which may be accompanied by fever and malaise, and atypical lymphocytosis symptoms resembling infectious mononucleosis. While serious complications, such as encephalitis, myocarditis and pneumonitis, are rarely seen in the normal host, infection in an immunocompromised host is often fatal.

When a seronegative woman becomes infected with *T. gondii* during pregnancy, the organism is often transmitted to the foetus. Infection during the first trimester may lead to spontaneous abortion, stillbirth, or overt disease in the neonate. Infection acquired later during pregnancy is usually asymptomatic in the neonate, and may not be recognised. Approximately 75% of congenitally infected newborns are asymptomatic. However, nearly all children born with sub-clinical disease will develop chorioretinitis and some may suffer blindness and mental retardation. Antibodies to the IgM class appear during the first week of primary infection with *T. gondii* and exist only transiently in most patients. Serologic procedures that measure IgM antibodies help identify patients with recently acquired infections.

**For research use.**

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*Diagnos*

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