TOXOPLASMA ANTIBODY, IgG, SERUM (CLIA)	**IU/mL**	**<7.20**

Interpretation

RESULT	REFERNCE RANGE IN IU/mL
Non Reactive	**<7.20**
Equivocal	**7.20-8.80**
Reactive	**>8.80**

Note: 1. Non Reactive result does not always exclude the possibility of Toxoplasma gondii infection. Patients with negative results in suspected early disease cases should be retested after 3 weeks.

2.Reactive result indicates past or acute infection with Toxoplasma gondii.

3.Equivocal results may contain low levels of IgG. In such cases it is recommended to test for IgM antibody and / or a second sample to be tested for IgG antibody after 2 weeks

4. Toxoplasma IgG antibodies do not distinguish between recent and past infection. IgM antibodies are detected in cases of recent infection, but may persist upto 18 months post infection. **To differentiate between recent and past infection, IgG avidity test is recommended.** High avidity index is a strong indicator that infection occurred more than 4 months back.

Comments

Toxoplasma gondii is an obligate intracellular parasite capable of infecting a wide variety of intermediate hosts including man. Infection in man is usually asymptomatic. The most common symptomatic presentation in man is Lymphadenopathy, Encephalitis, Myocarditis and Pneumonitis. Severe to fatal infections occur in immunocompromised individuals like post chemotherapy and AIDS. Tansplacental transmission can occur in neonates and the severity of Congenital toxoplasmosis is greatest when maternal infection is acquired during early pregnancy.

TOXOPLASMA IgG	TOXOPLASMA IgM	TOXOPLASMA IgG AVIDITY	REMARKS
Non Reactive	Non Reactive	Not applicable	Infection unlikely
Non Reactive	Reactive	Not applicable	Repeat after 2-3 weeks for Toxoplasma IgG & IgM. Both positive – Acute infection IgG – ve ; IgM +ve – False positive
Reactive	Non Reactive	High avidity	Past infection
Reactive	Reactive	Low avidity	Repeat after 3 weeks for Toxoplasma IgG &

			IgM
Reactive	Reactive	High avidity	Past infection