

TORCH PANEL AVIDITY, IgG (EIA)

Toxoplasma Avidity, IgG	%
Rubella Avidity, IgG	%
Cytomegalovirus Avidity, IgG	%

AVIDITY	LOW	EQUIVOCAL	HIGH
Toxo ,Rubella & CMV	<30 %	30-40%	>40%

Comments

Pregnant women are normally screened to test their immune status against TORCH antibodies. In cases with positive IgG and negative IgM results, it is assumed that this pregnancy should follow a safe outcome, but IgM antibodies may persist for a long time post infection. Further investigations are required to rule out primary infection. Avidity of specific IgG's have been introduced as serological markers of recent infections.

Interpretation

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
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

CMV / Rubella IgG	CMV / Rubella IgM	CMV / Rubella IgG Avidity	Remarks
Non Reactive	Non Reactive	Not applicable	Infection unlikely
Reactive	Non Reactive	High avidity	Past infection
Reactive	Reactive	Low avidity	Primary infection
Reactive	Reactive	High avidity	Non-primary infection; Low risk for in-utero transmission