Memorandum - Immunology #32

To: UNC Health System Attending Physicians and Faculty Practice Physicians, Housestaff, Clinical Nurse Coordinators, Department Heads and Supervisors

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Subject: Toxoplasma IgM and IgG antibody testing

Effective 12/18/2025, Toxoplasma gondii IgM antibody (LAB659) testing will be replaced with Toxoplasma antibodies, IgM and IgG (LAB5776). Toxoplasma IgG antibodies (LAB501) will still be orderable to assess past exposure. Identification of acute Toxoplasma infection via detection of IgM antibody is best achieved in conjunction with IgG antibody. As such, the individual IgM test will no longer be available. The following table is provided to assist in the interpretation of the IgM + IgG test results:

Anti-*T. gondii* IgG Result	Anti-*T. gondii* IgM Result	Report/Interpretation for humans, except infants
Negative	Negative	No serological evidence of infection with *Toxoplasma*. If symptoms persist, obtain a new specimen three weeks later for testing.
Negative	Equivocal	Possible early acute infection or false-positive IgM reaction. Obtain a new specimen three weeks later for IgG and IgM testing. If results for the second specimen remain the same, the patient is probably not infected with *Toxoplasma*.
Negative	Positive	Possible recent infection or false-positive IgM result. Obtain a new specimen three weeks later for IgG and IgM testing. If results for the second specimen remain the same, the IgM reaction is probably a false positive.
Equivocal	Negative	Indeterminate: obtain a new specimen for testing or retest this specimen for IgG in a different assay.
Equivocal	Equivocal	Indeterminate: obtain a new specimen for both IgG and IgM testing.
Equivocal	Positive	Possible recent infection with *Toxoplasma*. Obtain a new specimen for IgG and IgM testing three weeks later. If results for the second specimen remain the same or if the IgG becomes positive, both specimens should be sent to a reference laboratory with experience in the diagnosis of toxoplasmosis for further testing.
Positive	Negative	Infected with *Toxoplasma* for usually more than six months.
Positive	Equivocal	Previously infected with *Toxoplasma*, but equivocal IgM results may be due to recent infection or false-positive IgM reaction. Obtain a second specimen three weeks later for testing. If results for the second specimen remain the same, both specimens should be sent to a reference laboratory with experience in the diagnosis of toxoplasmosis for further testing.
Positive	Positive	Possible recent infection. Send the specimen to a reference laboratory with experience in the diagnosis of toxoplasmosis for further testing.

DiaSorin Liaison® Toxo IgM II test instructions for use

Please address questions to the Immunology Laboratory at 984-974-1815.