





Pathology and Laboratory Medicine

Orderable: ACOV2
Turnaround Time: 48 hours

Alternate Name(s):

Anti-SARS-CoV-2 Antibody COVID Serology Anti-SARS-CoV-2 (IgG + IgM)



Laboratory: Core Lab



Requisition:

GENERAL LABORATORY REQUISITION



Method of Analysis:

Test performed by Roche Elecsys Anti-SARS-CoV-2 Electrochemilumines cenc e immunoassay targeting the nucleocapsid (N) antigen



Test Schedule:

Monday - Friday 0800 - 1600 h

Specimen:

Adult	Pediatric
4.5 mL Green (Lithium	0-2 years: 0.5 mL Green or Gold
Heparin) top Vacutainer	top Microtainer
tube	2-10 years: 3 mL Green top or 2
	mL Gold top tube
Serum from a 5 mL Gold top or 6 mL Red top is also	
acceptable	

Collection Information:

Collect blood as eptically in a Vacutainer tube.

Reference Ranges:

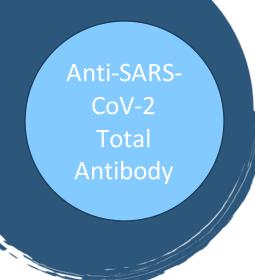
See report

Interpretive Comments:

Interpretive Comments: Testing detects both IgG and IgM antibodies (total) to SARS-CoV-2 nucleocapsid (N) antigen.

Negative Results:

Negative results do not rule out acute SARS-CoV-2 infection. If acute infection is suspected, consider SARS-CoV-2 RNA testing or repeat testing in 7 to 10 days. False-negative results may occur in immunocompromised individuals or those with mild illness. Negative results do not preclude SARS-CoV-2 infection and should not be used as the sole basis for patient management decisions.







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Positive Results:

Presence of SARS-CoV-2 antibodies indicates current or previous infection. False-positive results may occur due to cross-reacting antibodies or other causes. It is unknown whether antibodies indicate protective immunity.

Comments:

Serology testing examines a person's blood to see if they have antibodies to COVID-19. Testing detects both IgG and IgM antibodies (total) to SARS-CoV-2 nucleocapsid (N) antigen of the SARS-CoV-2 virus.

Serology testing is limited to the currently approved uses in Ontario (See PHO COVID-19 Serology) including:

- The investigation of suspected cases of Multisystem Inflammatory Syndrome in Children (MIS-C)
- With Approval: Serology may be considered in patients with severe illness who have tested repeatedly negative by PCR and where serology results would be a helpful adjunctive tool for clinical/public health action and decision making

Serology testing should **NOT** be used for:

- the diagnosis of acute infection or determining if a patient is infectious
- determining immune status of the patient

Please contact Dr Michael Knauer, Clinical Biochemist (ext. 52237 or pager 17130) for questions and approval.

Storage and Shipment:

Samples stable 7 days at 2-8 °C, freeze at -20 °C for longer storage.