

SARS-CoV-2 TESTING

Method	Sensitivity (PPA)	Specificity (NPA)	
Molecular			Limit of Detection
Abbott M2000*	100%	100%	100 copies/ml
Hologic Panther Aptima*	97%	100%	125 copies/ml
DiaSorin Simplexa*	96%	98%	500 copies/ml
Abbott Alinity*	100%	96%	100 copies/ml
Rapid PCR/Molecular			
Abbott ID NOW	73-80%	98-100%	
Mesa Biotech Accula	53-81%	92-100%	
SAMBA II	94-100%	90-99%	
XpertXpress	98-100%	91-99%	

NOTE: Sensitivity estimates for patients with a high viral load (generally 3-7 days after symptom onset) was 100% and lower for those with low viral loads, thus these should NOT be used to screen asymptomatic individuals. Negative results in highly suspicious patients should be retested with a non-rapid molecular test

Antigen Tests

Abbott Binax Now	97%	98%
Quidel Sofia	97%	100%
Roche Rapid Antigen	97%	99%

NOTE: The Binax Now and Sofia must be performed within 7 and 5 days of onset of symptoms, respectively. These tests are NOT recommended for testing of asymptomatic individuals. Negative results are recommended to have reflex PCR testing.

Abbott IgG anti-SARS-CoV-2 Antibody Test*

3-7 days post onset	50%
8-13 days post onset	91%
>/= 14 days	100%

NOTE: Reported as positive percent agreement (PPA) on days post onset of symptoms. Caution with the interpretation of negative results prior to 14 days.

*Tests Performed at Regional Medical Laboratory