

Supplementary Table 1: Assays and their Specifications by Province for each time period

Province	Laboratory site	Time Period/s	Assay	Description of assay (IgG, IgA, IgM)	Specifications
BC	BC Centres for Disease Control Public Health Laboratory (BCCDC)	A, B, C, D	OrthoDiagnostics VITROS Anti-SARS-CoV-2 Total	IgG, IgA, IgM	Anti-S
		D	Abbott Architect SARS-CoV-2 IgG	IgG	Anti-N
		Omicron*	MesoScale Discovery V-Plex- SARS-CoV-2 Panel 2	IgG	Anti-N
SK	The Roy Romanow Provincial Laboratory (RRPL)		OrthoDiagnostics VITROS Anti-SARS-CoV-2 Total	IgG, IgA, IgM	Anti-S
AB	Alberta Health Services - Public Health Laboratory (ProvLab) Calgary site: Foothills Medical Centre Edmonton site: University of Alberta Hospital	A, B, C, D	Abbott Architect SARS-CoV-2 IgG	IgG	Anti-N
		D	DiaSorin LIAISON SARS-CoV-2 TrimericS IgG	IgG	Anti-S
MB**	Cadhams Provincial Laboratory	A, B, C, D	DiaSorin LIAISON SARS-CoV-2 S1/S2 IgG	IgG	Anti-S
		D	Abbott Architect SARS-CoV-2 IgG	IgG	Anti-N
ON	Public Health Ontario (PHO) Provincial Laboratory		OrthoDiagnostics VITROS Anti-SARS-CoV-2 Total	IgG, IgA, IgM	Anti-S
QC	Le Centre hospitalier universitaire Sainte-Justine (CHU-Ste. Jus)		DiaSorin LIAISON SARS-CoV-2 TrimericS IgG	IgG	Anti-S
NL	Newfoundland and Labrador Public Health Laboratory	A, B, C, D	EUROIMMUN	IgG	Anti-S
		D	Abbott Architect SARS-CoV-2 IgG	IgG	Anti-N
NS	Izaak Walton Killam Health Centre (IWK Health)		OrthoDiagnostics VITROS Anti-SARS-CoV-2 Total	IgG, IgA, IgM	Anti-S
PEI	Health PEI	A, B, C, D	Roche Diagnostics Elecsys Anti-SARS-CoV-2 Total Antibody	IgG, IgA, IgM	Anti-N
		D	Roche Anti-S	IgG	Anti-S
NB	Vitalite Health Network Laboratory		OrthoDiagnostics VITROS Anti-SARS-CoV-2 Total	IgG, IgA, IgM	Anti-S

Anti-N = Anti-nucleocapsid assay Anti- S = Anti-spike assay. *This is the longitudinal analysis from November 15 2021 to June 11 2022.

**Period D results not available for MB at the time of publication.