

Development of a Multiplex SARS-CoV-2 Serology Assay



The status of antibodies to SARS-CoV-2 in transplant patients is critically important

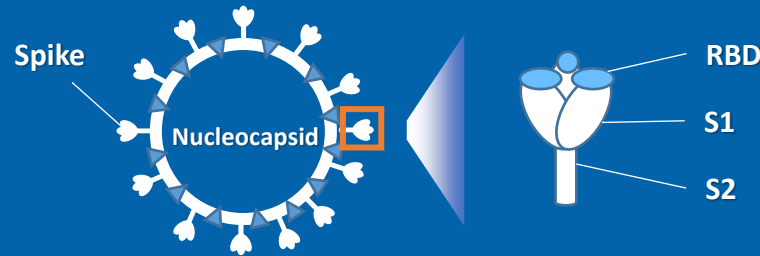
- Clinical care
- Post-vaccine tracking
- Epidemiological studies



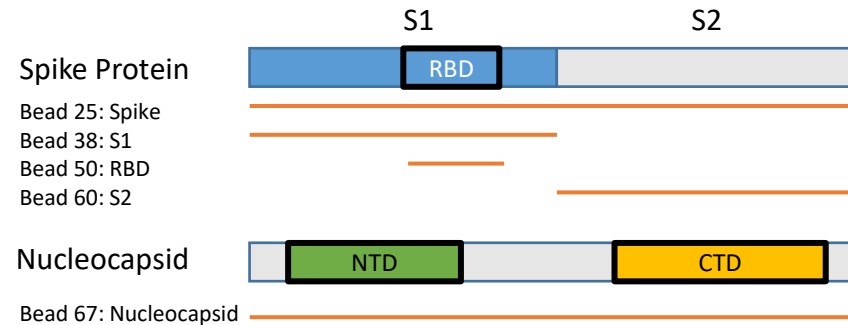
Current SARS-CoV-2 serology tests vary

- Targets
- Platform
- Sensitivity and specificity
- Cross reactivity

Development and validation of a high throughput multiplex assay



This bead-based assay can simultaneously identify antibodies against five SARS-CoV-2 proteins



The new assay (LABScreen COVID Plus) is a valuable serology tool for SARS-CoV-2 antibody assessments.

		COVID-19	
		+	-
COVID Plus Assay	+	44	1
	-	0	144

Table: Specificity and Sensitivity

Sensitivity = 100% ; Specificity = 99.3%

By design, this assay is uniquely suitable for use in transplant laboratories for monitoring both candidates and recipients

Bray RA. et al. *Transplantation*. January 2021.

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