

LIGHTDECK®

COVID-19 TOTAL ANTIBODY TEST

Speed without compromise

- Lab-quality performance
- Results in 5 minutes
- Test almost anywhere



An important tool to understand immune response

The LightDeck COVID-19 Total Antibody Test helps clinicians assess an individual's immune response. An antibody test can reveal if a person had COVID-19 even if they were asymptomatic or never diagnosed with the disease. The LightDeck assay is designed to detect the receptor-binding domain (RBD) of the S1 spike antigen to detect antibodies that block the virus entry into the cells. This assay design is aligned with the multiple vaccines that target or include the SARS-CoV-2 S1 RBD, with the goal to elicit antibodies in vaccinated subjects. The spike protein and particularly the RBD are the most common target of vaccine designs.

Simple Test Procedure

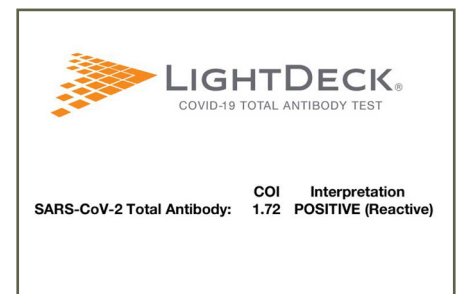
1 Add 50 μ L sample



2 Insert cartridge



3 Results in 5 minutes



Lab-quality Results in 5 minutes

Sensitivity **98.2%**
Specificity **99.4%**
 PPV† 89.6%
 NPV† 99.9%

		PCR	
		POSITIVE	NEGATIVE
LightDeck	POSITIVE	56 True POS	2 False POS
	NEGATIVE	1 False NEG	318 True NEG

† Positive Predictive Value (PPV) and Negative Predictive Value (NPV) are calculated based on 5% prevalence

CDC recommends choosing an antibody test with high specificity in low prevalence populations. With specificity of 99.4%, you can expect a false positive in only 6 out of 1000 LightDeck tests. In contrast, a lateral flow test with specificity of 95% means 50 out of 1000 tests report a false positive.

Critical Role of Antibody Testing

Determine past infection

Determine whether a person had been infected by SARS-CoV-2

Assess seroprevalence

Determine the percentage of people in a community had a prior infection

Testing in Hot Spots

Hospitals

- Doctors, nurses, paraprofessionals

Nursing homes, assisted living

- Residents and staff

Prisons and jails

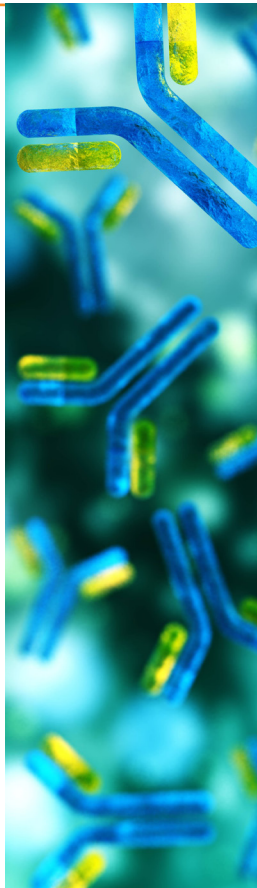
- Staff and inmates

Workplaces

- Food processing plants and grocery stores

Community Testing

- Areas with outbreaks, universities, schools



The LightDeck COVID-19 Total Antibody Test is:

- For in vitro diagnostic use only. For prescription use only.
- The LightDeck COVID-19 Total Antibody Test has completed the Section IV.D notification process under FDA's "Policy for Coronavirus Disease-2019 Tests During the Public Health Emergency (Revised)."