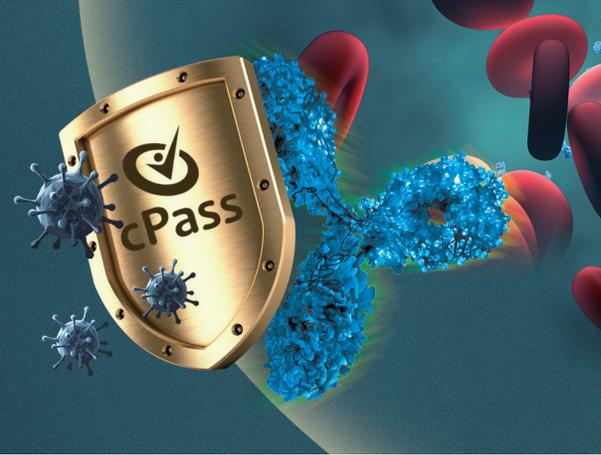
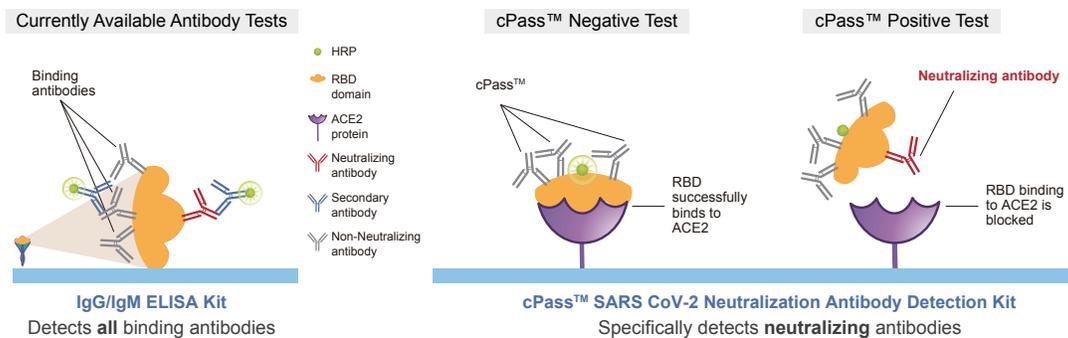


Detect COVID-19 Neutralizing Antibodies in 1 hour!

cPass™ SARS CoV-2 Neutralization Antibody Test
FDA EUA authorized for *semi-quantitative* results!



Neutralizing antibodies (NAbs) are antibodies that neutralize a pathogen by binding with it in such a way that prevents it from infecting cells. They are a small subset of the antibodies generated by the body in response to an infection or vaccination. There is still much to learn about the NAbs that result from SARS-CoV-2 infection. The cPass™ SARS-CoV-2 Neutralization Antibody Detection Kit is an extremely useful, first-of-its-kind research assay that facilitates the specific detection of NAbs in a sample.¹



Clinical Utility

Detect a relative concentration (U/mL) of neutralizing (virus blocking) antibody generated from an adaptive immune response to SARS-CoV-2 when run with the SARS-CoV-2 Neutralizing Antibody Calibrator (A02087).

Target Applications



Isotype Independent



High Specificity



High Sensitivity



Safe&Scalable

References:

1. Tan CW, Chia WN, Qin X, et al. A SARS-CoV-2 surrogate virus neutralization test based on antibody-mediated blockage of ACE2–spike protein–protein interaction. Nat. Biotechnol. (2020).

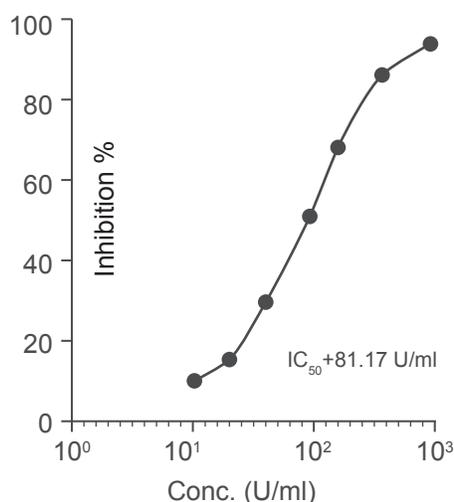
Semi-Quantitative Reporting

Updated FDA EUA approval adds a high/low titer level and reporting of concentration (U/mL) when samples result in an inhibition of >30%. Cutoffs and values reviewed by the FDA. High and low titers were established when compared against PRNT50 and verified through clinical studies. Additional data and information can be found in the instructions for use (IFU).

| | cPass Analyte Level Categories | cPass Titers Sub-Categories |
|---|--------------------------------|-----------------------------|
| cPass SARS-CoV-2 Neutralization Antibody Detection Kit interval of numerical values in U/mL | Negative | Negative |
| | Low Titer | <100 U/mL |
| | High Titer | >100 U/mL |

Sample calibration curve using the SARS-CoV-2 Neutralizing Antibody Calibrator (A02087).

| OD 450 | | |
|----------------------|--------|--------------|
| Concentration (U/mL) | Ave OD | % Inhibition |
| 300 | 0.089 | 95.71 |
| 150 | 0.260 | 87.39 |
| 75 | 0.621 | 69.80 |
| 37.5 | 1.110 | 46.19 |
| 18.75 | 1.441 | 29.92 |
| 9.375 | 1.666 | 18.99 |
| 4.688 | 1.791 | 12.90 |
| Background | 2.056 | |







**cPass™ SARS-Cov-2
Neutralization Antibody Test**

| | |
|---------------|----------------|
| Format | ELISA |
| Test/Kit | 96 Wells/Plate |
| Sample Type | Serum/Plasma |
| Protocol Time | 1 Hour |