

# CSA: SARS-CoV-2



**Intuitive Bio**  
Right answers. Right now.

## Multiplex analysis of antibodies to SARS-CoV-2.

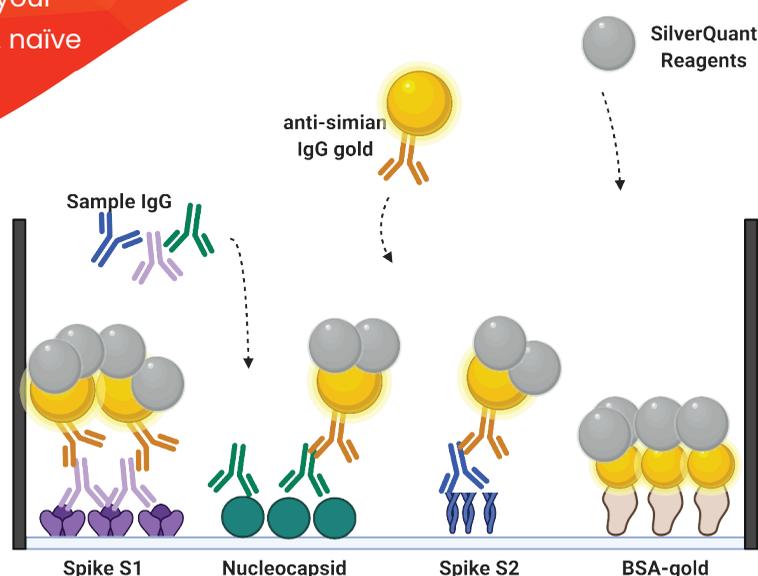
Biomedical research relies on the maintenance of high quality animal research models. Routine monitoring of your specific pathogen-free (SPF) colony is a crucial component to your laboratory health surveillance program, but can be costly, labor intensive, and technically difficult. Colony Surveillance Assays (CSA) are affordable, fast, and reliable products to use with your colony screening program to identify SARS-CoV-2 naïve animals for studies.

### How It Works

**CSA Workflow.** Diluted samples are incubated with pre-printed antigen plates from the kit. Three SARS-CoV-2 antigens (Spike S1, Spike S2, and Nucleocapsid) bind antibodies in serum from a prior exposure. Unbound serum IgG are washed off, and bound IgG detected with an anti-IgG gold conjugate. Immune complexes are enhanced and visualized with SilverQuant reagents. Image capture and analysis occurs on the IAN Scanner or AQ 1000 System.

### Confirmatory Western Blots

Proteins from inactivated SARS-CoV-2 viral lysates run on a reducing gel are transferred to PVDF membranes and blocked. Each kit comes with 4 individual SARS-CoV-2 strips, a Negative and Positive control sample, and a Ladder strip. Serum from nonhuman primates can be tested for antibody reactivity to structural proteins and analyzed based on size and intensity of bands. For research use only.



### Features and Benefits

**Sensitive:** Detects antibodies in serum of vaccinated or infected animals

**Specific:** Three antigens enhance specificity

**Reliable:** Internal controls and assay controls ensure quality data

**Easy:** Assay steps are as easy as an ELISA

**Flexible:** Perform antibody screening or titers to 3 major structural proteins on CSA kits

**Confirm:** Western blot strips are available for detailed analysis

**Compatible:** Can be analyzed with AQ 1000 or IAN System



**Intuitive Bio**  
Right answers. Right now.



## CSA: SARS CoV-2 Kits

Each CSA: SARS-CoV-2 kit includes enough reagents to run up to 94 samples. A Positive and Negative Control are included to ensure proper assay set up. CSA kits are compatible with the AQ 1000 or IAN instruments. Western blot strips from inactivated SARS-CoV-2 viral lysate can be used to confirm results.

Kit Part #	Name	Description
12-1225	CSA: SARS-CoV-2 Kit	Screens for presence of IgG in serum to 3 SARS CoV-2 antigens
12-1236	SARS-CoV-2 Western Blot Kit	Detects IgG in serum to SARS CoV-2 viral proteins, 4 strips

## CSA: SARS CoV-2 Testing Service

Let us do the work for you. Submit your serum sample to our lab for CSA: SARS-CoV-2 testing. Please submit at least 1 mL of serum via overnight shipping.

Test #	Name	Description
12-1069	CSA: SARS CoV-2 Service	Screens for presence of IgG in serum to 3 SARS CoV-2 antigens
Please inquire	SARS CoV-2 Antibody Titer	Determines antibody titer to 3 SARS CoV-2 antigens (S1, S2, Nuc)
Please inquire	SARS CoV-2 Western Blot Service	Detects IgG in serum or plasma to native SARS CoV-2 proteins

### To order:

Please email [orders@intuitivebio.com](mailto:orders@intuitivebio.com) for pricing and availability, or call +1 (608) 561-8730. For questions about the CSA: Simian kits or serology testing services, please email [info@intuitivebio.com](mailto:info@intuitivebio.com) or call +1 (608) 561-8730.