



Seramun



SeraSpot®

SARS-CoV-2 antibody detection

SeraSpot® Anti-SARS-CoV-2 IgG/IgA

Item number SP-015-4 G RUO/SP-015-4 A RUO

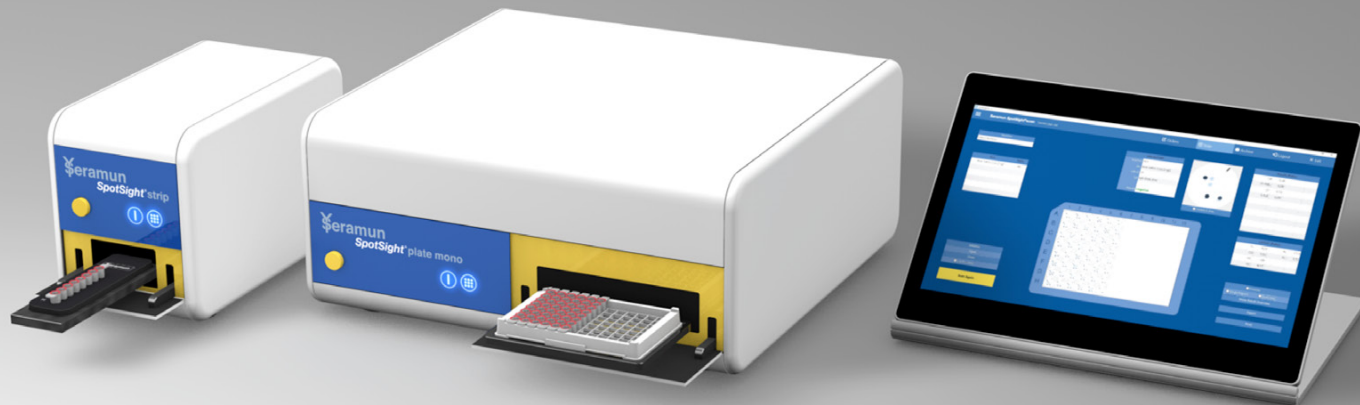
Principle of the Confirmation test **SeraSpot® Anti-SARS-CoV-2 IgG/IgA**

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The **SeraSpot® Anti-SARS-CoV-2 IgG/IgA** test is a solid phase immunoassay for the qualitative detection of antibodies present in proband samples. **It is intended for research use only.** The assay is based on the use of recombinant SARS-CoV-2 proteins as capture antigens. These are printed in array arrangement (spot array) together with test specific controls on the bottom of the wells of 96well-microtiter plates. Bound antibodies are detected by use of horseradish peroxidase-(HRP)-labeled antibodies against human antibodies of IgG- or IgA-type and precipitating HRP substrate. At the site of formed immune complexes pale blue to dark blue spots are developed. Color intensity of spot staining correlates to the antibody concentration.

Parameter		Controls	
		01	Positive control
04	NP Nucleoprotein (Nucleocapsid protein) of SARS-CoV-2	02	Cut-off control (CO)
05	RBD Receptor binding domain of S1 domain of Spike protein of SARS-CoV-2	03	Negative control (NC)
06	S1 S1 domain of Spike protein of SARS-CoV-2	08	IgG conjugate control (GC)
07	Spike full Spike protein of SARS-CoV-2, full length	09	IgA conjugate control (AC)
		10	Serum control (SC)

After finishing the assay, arrays can be imaged either by using the **Seramun SpotSight® plate** or **Seramun SpotSight® strip** scanner. Obtained images are interpreted by using the Software **Seramun SpotSight® scan** taking account of the test-specific evaluation criteria. The **SeraSpot® Anti-SARS-CoV-2 IgG/IgA** assay can be carried out either with common ELISA processors or manually. The Software **Seramun SpotSight® scan** allows integration into common laboratory information systems.



1. Sample incubation



Incubation time
30 min



Volume of sample
100 µl
dilution 1:101

2. Conjugate incubation



Incubation time
30 min



Volume of conjugate
50 µl

3. Substrate incubation



Incubation time
30 min



Volume of substrate
50 µl

4. Image acquisition and interpretation



7 min per 96well plate

Scanner **Seramun SpotSight® plate mono**
Seramun SpotSight® strip
 Software **Seramun SpotSight® scan**

- **Safe** Array with built-in controls
- **Stable** Endpoint reaction, stable color complex
- **Effectively** High sample throughput
- **Efficient** Ready-to-use reagents, minimal work
- **Automatable** Processing on established ELISA processors
- **Economically** Breakable 8well bars
- **Individually** Various pack sizes
- **Sustainability** Low liquid waste

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