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Guava® SARS-CoV-2 Multi-Antigen Antibody Assay Quick Reference Card

To measure the presence of IgG, IgM, or IgA antibodies against SARS-CoV-2 antigens in serum or plasma samples.

Kit Components

The Guava® SARS-CoV-2 Multi-Antigen Antibody Assay (FCPA100101) includes the following components:

- Guava SARS-CoV-2 Microsphere Mix (14-20327, 5.5 mL)
- PBS-TBN Wash Buffer (14-20335, 125 mL)
- Anti-Human IgG Detection Reagent (14-20332, 5.5 mL)
- Anti-Human IgM Detection Reagent (14-20334, 5.5 mL)
- Anti-Human IgA Detection Reagent (14-20333, 5.5 mL)

Storage Conditions

- Store Guava® SARS-CoV-2 Multi-Antigen Antibody Kit refrigerated at 2°C to 8°C.
- Do not freeze.
- Protect the Guava SARS-CoV-2 Multi-Antigen Antibody Assay from excessive exposure to light.

Recommended Materials

- Guava® Muse® Cell Analyzer, Guava® easyCyte™ flow cytometer, or other flow cytometer equipped with a 488 nm or 532 nm laser.
- Magnetic base rack or base plate for manual washing.
- Micropipettors
- Disposable micropipettor tips
- Vortex mixer with adaptor
- Orbital plate shaker
- Timer
- Deionized (DI) water
- 10% bleach solution

  NOTE: 10% bleach is defined as 0.6% sodium hypochlorite
- 1.5 mL sample tubes or 96-well plate

Assay Protocol

Dilute serum or plasma samples 1:400

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Add 50 µL of control or diluted sample to each tube or well.

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Add 50 µL of Guava® SARS-CoV-2 Microsphere Mix to each tube or well.

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Seal the plate or cap the tube and incubate while shaking at room temperature for 30 minutes.

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Remove the liquid and wash the 1X well on the magnet with 150 µL of PBS-TBN Wash Buffer.

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Add 50 µL of Anti-Human Detection Reagent.

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Seal the plate or cap the tube and incubate while shaking at room temperature for 30 minutes.

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Remove the liquid on the magnet.

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Resuspend the microspheres in 200 µL of PBS-TBN Wash Buffer for reading on the flow cytometer.

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Expected Results

The following figures show examples of typical results obtained using the Guava® SARS-CoV-2 Antibody Assay on the Guava® Muse® Cell Analyzer (Figure 1) and with the Guava® easyCyte™ flow cytometer (Figure 2).

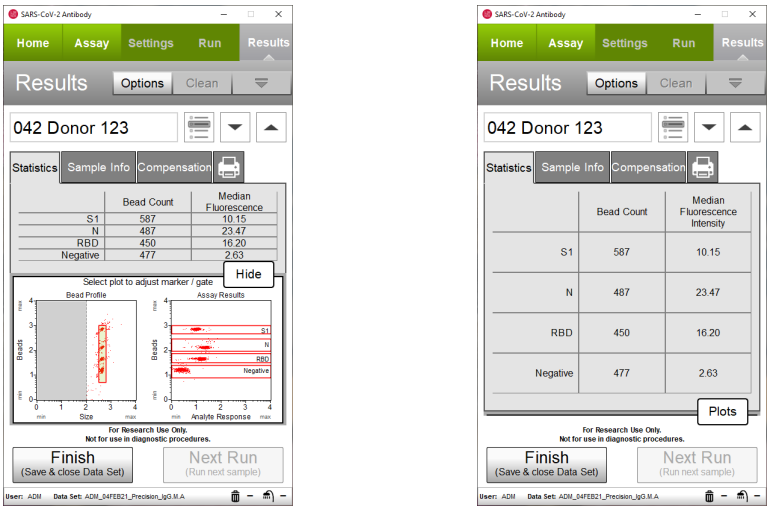

Figure 1: Results from a SARS-CoV-2 positive human serum sample. The sample was prepared with the Guava SARS-CoV-2 Multi-Antigen Antibody Assay and acquired on the Guava Muse Cell Analyzer using the SARS-CoV-2 Antibody module. The statistics show the count of the bead population and median fluorescent intensity for each population.

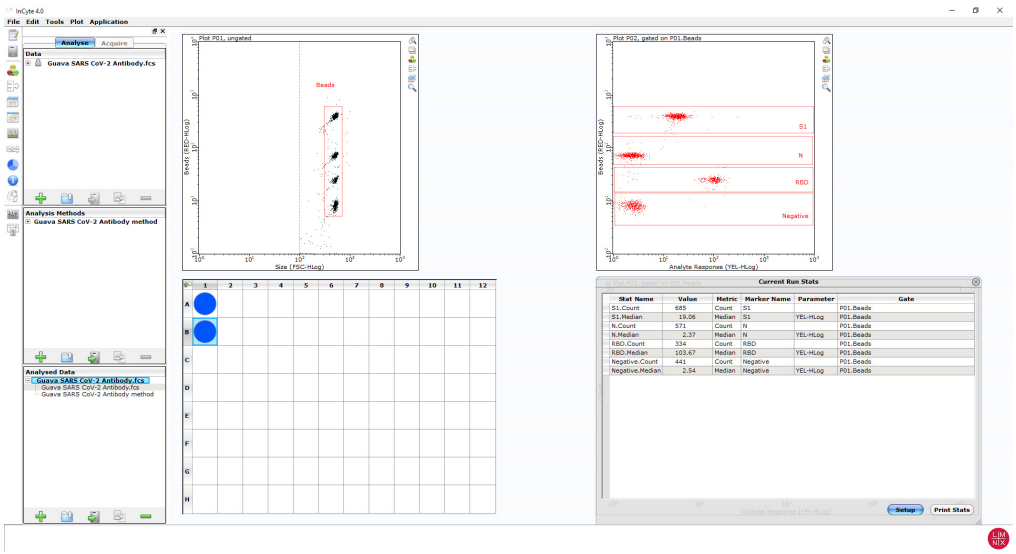

Figure 2: Results from a SARS-CoV-2 positive human serum sample. The sample was prepared with the Guava SARS-CoV-2 Multi-Antigen Antibody Assay and acquired on the easyCyte 12HT flow cytometer using InCyte™ software. Output for statistics of bead counts and median fluorescent intensity of bead populations can be set up and obtained using InCyte software.

This document is a supplemental tool and consistent with the instructions for use in the Guava® SARS-CoV-2 Multi-Antigen Assay Package Insert (89-30000-00-959). Please refer to the package insert for additional information. For more information on Guava flow reagents and kits, refer to *https://www.luminexcorp.com/flow-cytometry-kits-and-reagents/*.

If you have questions or concerns regarding this quick reference card, contact Luminex Technical Support at 1-877-785-2323 or by email at *support@luminexcorp.com*. Outside the US: If you have questions or concerns regarding this quick reference card, contact your local Luminex distributor.