

VeraPrep™ Antibody Detection Kit

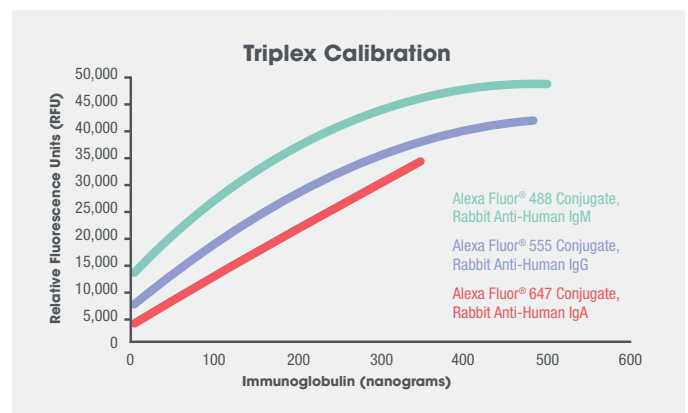
Now Available: A First of its Kind Platform to Multiplex Detect Antibodies in Serum, Plasma or Saliva

Imagine a world in which antibodies can easily be captured and measured from saliva and not just serum and plasma. To achieve this vision, two things are required: the removal of problematic antibody-based interferences, and the ability to concentrate and multiplex detect and measure IgA, IgG, and IgM immunoglobulins against any antigen of interest. With this revolutionary new platform, researchers can quickly develop new tests to detect specific antibodies or autoantibodies.

Introducing the VeraPrep Antibody Detection Kit for Quick and Easy Multiplex Detection of Antibodies Against Pathogens or Autoantibodies Against Biomarkers

The VeraPrep Antibody Detection Kit provides scientists with a state-of-the-art research tool to easily and quickly develop new tests to multiplex detect and measure immunoglobulins against new and emerging pathogens as well as autoantibodies against cardiac, neurologic, and cancer biomarkers. The ability to preanalytically remove sample interferences from a larger sample and subsequently concentrate makes it possible to detect antibodies in low abundance.

The Kit includes all reagents required to support researchers' test developments for up to 50 samples. All that's needed for a new test is for you to switch the biotin labeled antigen used on the proprietary streptavidin capture beads and the kit will multiplex detect IgA, IgG and IgM antibodies against the new antigen. The VeraPrep Antibody Detection Kit simplifies and accelerates the development of new serology and autoantibody tests using serum, plasma, saliva or saline oral rinse.



Our 7C Process

- **CONDITION** – condition beads capture and remove sample interference
- **CAPTURE** – capture beads selectively capture antibodies from the cleaned sample
- **CLEAN** – remaining sample matrix is washed away leaving only the antibodies of interest
- **CONCENTRATE** – antibodies of interest are resuspended in a smaller volume of “crystal” clear liquid
- **CONJUGATE** – conjugate specific for IgA, IgG and IgM attaches to the antibodies of interest
- **CLEAVE** – conjugate is released from the antibodies and the capture beads are left behind
- **CHARACTERIZE** – IgA, IgG and IgM are easily detected and simultaneously analyzed in a single test

Potential Applications

- Serology
- Autoantibodies against cardiac biomarkers, neuromarkers, and cancer antigens
- Autoimmune disease
- Vaccine efficacy
- Therapeutic immune response

SEE THE
PROCESS
IN ACTION



SCAN ME

SARS CoV-2 Neutralizing Antibody Test

The first test developed using the VeraPrep Antibody Detection Platform is a SARS CoV-2 Neutralizing Antibody Test. It is available from Access Genetics, a Veravas development partner.



We are thrilled with the market acceptance of our saline oral rinse Covid Neutralizing Antibody test. With this test, we are able to multiplex capture and measure neutralizing IgA, IgG and IgM immunoglobulins against the spike S1 NTD and RBD epitopes within one sample. This allows us to inform patients if neutralizing antibodies have been detected resultant of natural infection or vaccination. There are so many exciting applications for this technology. We look forward to developing new antibody and autoantibody tests using this technology.

Ron McGlennen, MD
President, Medical Director, Access Genetics

Assay Development Tool Kit

The VeraPrep Antibody Detection Kit can be used by researchers, scientists, and assay developers to simplify and accelerate the development of new antibody and autoantibody tests, and if you don't have solid phase chemistry expertise or bead coating capabilities our specialized team of scientists can help immobilize your antigen of choice on our proprietary capture beads.

Kit Components

- CONDITION BEADS – targets and removes heterophilic and autoantibody interference
- CAPTURE BEADS – streptavidin coated to bind biotinylated antigens
- CAPTURE BEAD STORAGE BUFFER – wash and store antigen coated capture beads
- CLEAN BUFFER – wash the sample matrix and excess conjugate from the capture beads
- CONJUGATE – anti-IgG (AlexaFluor488), anti-IgM (AlexaFluor555) and anti-IgA (AlexaFluor647) detection antibodies
- CALIBRATORS – beads coated with purified human IgA, IgG and IgM to generate antibody-specific calibration curves (RFU vs. Concentration)
- CLEAVE BUFFER – elute conjugate from the capture beads
- CHARACTERIZATION BUFFER – read the conjugate
- CONTROLS – low and high for quality control

Kit Options

- SERUM/PLASMA – 50 samples/kit
- SALIVA/SALINE ORAL RINSE – 50 samples/kit

VeraPrep Antibody Detection Kit At-A-Glance

- For Research Use Only (RUO)
- Includes all reagents required to test 50 samples
- Easily automated using a liquid handler
- Removes sample interference prior to the test
- Utilizes a proprietary magnetic streptavidin bead for use with biotinylated antigens
- Captures and multiplex measures IgA, IgG and IgM immunoglobulins against any antigen of interest
- Concentrates low abundance antibodies to improve likelihood of detection
- Supports development of quantitative, semi-quantitative or qualitative assays
- Facilitates faster test development
- Can use serum, plasma, saliva, and saline oral rinse sample types

Put the VeraPrep Antibody Detection Platform to Work for You

- Design your own tests – purchase kits and design your own antibody and autoantibody tests in a fraction of the time
- Let us build your capture bead – with our expertise, we can provide the scientific services to build a custom bead immobilized with your specific antigen

VERAVAS

111 Congress Avenue, Austin TX 78701
1.888.466.4166 veravas.com

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