

# miriad

## RVF Toolkit



# Rapid assays reinvented.



MedMira's Miriad RVF Toolkit is an off-the-shelf package of components and protocols. The toolkit provides the building blocks needed to create and optimize assays whose performance can rival much more complex laboratory-based systems.

These assays can be used in developing rapid tests to detect an analyte of interest, to monitor bioreactors or be applied to other processes in a commercial lab. The toolkit can also provide a simple migration route for existing ELISA and Western blot assays to become rapid assays that can be used in-house or commercialized.

## Features

- Instant assay results
- Flexible sample types and volumes
- No specialized equipment required
- Simultaneous detection of multiple biomarkers on a single device
- Room-temperature storage
- Versatility for multiple applications in laboratories or in the field
- Professional consultation and licensing opportunities with MedMira

## Quickly create rapid assays in your lab.

Use MedMira's RVF Toolkit, plus materials and supplies in your lab, to create rapid analytical tools in three steps.

1. Spot your antigen
2. Let it dry
3. Run your test

## Potential Research Applications and Opportunities

### Infectious Disease Biomarkers

- Demonstrate the functionality of an antigen
- Produce a sensitive and specific test for commercial use
- Use for human or veterinary purposes
- Monitor early stage experiments

### Vaccine Research

- Create alpha prototypes employing antigens used in vaccine development
- Determine the ability of a vaccine to illicit immune responses
- Monitor methods used to produce the antigen

### Industrial Processes

- Develop rapid prototypes
- Monitor bioreactor production of various antibodies
- Use in a variety of applications, including food safety and quality control

### Contamination Identification

- Seek contaminants in cell culture, DNA or RNA
- Create single or multiplexed rapid test to diagnose issue in real-time

### ELISA and Western Blot Alternatives

- Migrate labor-intensive and long-running ELISA and Western blot assays to the Rapid Vertical Flow platform quickly and cost-effectively



## Ordering Information

**Cat. No.: 815311005930**

**Description: Miriad RVF Toolkit**

**Quantity Box: 50**

For more information on Miriad, please contact MedMira's Sales & Marketing team at [sales@medmira.com](mailto:sales@medmira.com) or 902 450 1588

## Rapid Vertical Flow Technology

At the core of the Miriad toolkit is MedMira's patented Rapid Vertical Flow technology, offering speed, accuracy and multiplexing. This technology enables targets of interest in a wide variety of sample types to be captured and visualized on a unique membrane. MedMira's InstantGold™ Cap simplifies the visualization procedure, as well as the handling and storage of the detection agent. Rapid Vertical Flow technology is a highly scalable solution that is transforming the development and commercialization of rapid testing applications across a broad range of life sciences and biotech sectors.

## Technical Support and Consultation

MedMira offers technical assistance, consulting services and licensing agreements. These services can help optimize assays, as well as support the validation and commercialization of discoveries.

We are experienced with a variety of applications such as:

- Assay development
- Prototype development
- Manufacturing of rapid based immunoassays
- Preparation, documentation, and maintenance of design plans and design history files
- Laboratory studies
- Analytical sensitivity and specificity studies
- Expert regulatory guidance on all design and manufacturing issues
- Manufacturing product post-approval

### About MedMira

MedMira's patented Rapid Vertical Flow technology delivers fast, accurate results in a range of applications. Our products help care providers and their patients know more, instantly. MedMira rapid tests are manufactured in a cGMP facility with a quality management system registered to ISO 9001:2008 and ISO 13485:2003. Learn more at [medmira.com](http://medmira.com)

