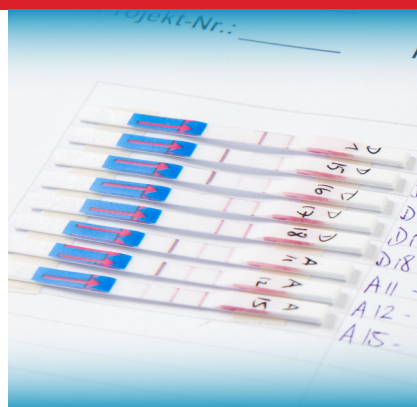




milenia biotec



# Milenia® HybriDetect

Rapid Detection of Nucleic Acids in a Point-of-Care Format

*Simple Rapid Test Development*

XXXX RPA XX LAMP XX PCR XX CRISPR/Cas XX NASBA XX CPA XX HDA XX & many more XXXX

# Milenia® HybriDetect

- ▼ The Milenia® HybriDetect is a universal Lateral Flow platform that allows simple and fast development of individual rapid tests. This simple tools allows researchers to create innovative, molecular, field-applicable test systems.

## ▼ Nucleic Acids

### ▼ Enzymatic Activities

#### ▼ Proteins, Peptides, Cells

#### ▼ Antibodies, Antigens

#### ▼ Metabolites, Toxins, Allergens



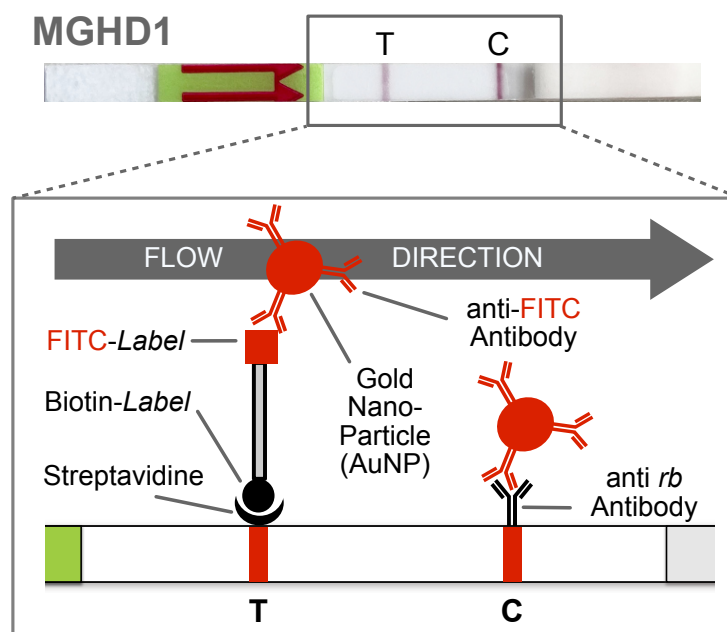
# Rapid Detection of Nucleic Acids

## Frequently combined Molecular Methods

- ▼ **Recombinase Polymerase Amplification (RPA)**  
*Isothermal DNA-Amplification (37-42 °C), One Pot Reverse Transcription, Fast, Very Robust, Perfect for POC-Applications*
- ▼ **Polymerase Chain Reaction (PCR)**  
*DNA-Amplification Method, Multiplexing, One Pot Reverse Transcription, the most Versatile Amplification Method*
- ▼ **Loop mediated isothermal Amplification (LAMP)**  
*Isothermal DNA-Amplification (60-70 °C), Fast, Multiplexing, One Pot Reverse Transcription, POC-applicable*
- ▼ **CRISPR/Cas-based Nucleic Acid Detection**  
*DNA- or RNA-“Recognition“, highly specific, Compatible with Pre-Amplification Techniques, „Next-Gen-Diagnostics“*



## How the Milenia® HybriDetect Strips work ...

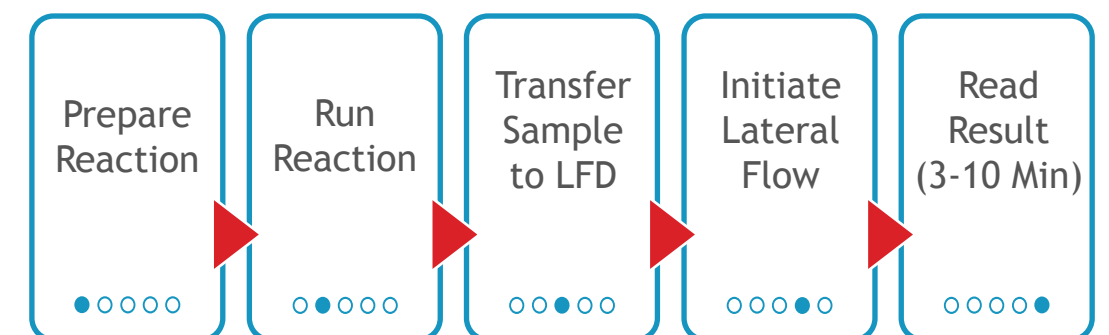


The general working principle of the universal Milenia® HybriDetect test strips is very simple. An analyte, that carries two specific labels. Biotinylated analytes are stopped at the test line (T) due to immobilized streptavidine. A mobile, functionalized gold conjugate binds FAM- or FITC-labelled analytes. If these goldnanoparticles accumulate a visible signal appears. An anti-conjugate specific antibody stops goldnanoparticles on the control line (C) - which confirms the functionality of the lateral flow assay.

*If you want to learn more about this platform and general detection principles, scan the QR\_Code ...*



## Five Simple Steps to Run the Test



*„Sensitive & Specific Results in 20 Minutes or less...“*



**Rapid Results**  
within 2-10 Min



**Simple Handling**  
No expertise required



**Easy-to-interpret**  
naked eye detection



**Field Applicable**  
Equipment-free Analysis



**Sensitive**  
compared to AGE



**Highly Specific**  
Multiple Detection Strategies



**Multiplexable**  
Milenia® HybriDetect 2T



**Robust**  
stable for years

# Milenia® HybriDetect

## Multiplexing - no Problem



The Milenia® HybriDetect 2T allows simultaneous detection of 2 analytes. Multiplexing is an important topic for the Nucleic Acid Amplification Lateral Flow Technology. If you want to learn more - scan the QR-Code ...



OEM for Diagnostic Companies



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More than 230 Scientific Publications



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Expert Customer Service



Almost 20 Years Experience



*If you want to know more about our Milenia® HybriDetect - visit our website.*



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