

Lateral Flow Rapid Tests and more









Product Overview

HybriDetect Product Series

- ▼ Develop Your Own Test System
- ▼ Point-of-Need Use
- Universal
- ▼ Easy Setup

HybriDetect Product Series Overview

Overview of our HybriDetect Product Series

▼ Lateral Flow Tests	REF
HybriDetect	MGHD 1
HybriDetect 2T	MGHD2 1
HybriDetect Cassette	MGHC 1
HybriDetect Variant	MGHDV 1
▼ DNA Amplification	REF
HybriDetect LAMP Hot Start Kit	HLHSK 1
HybriDetect LAMP Hot Start Polymerase	HLHSP 1
HybriDetect LAMP Kit	HLK 1
HybriDetect LAMP Polymerase	HLP 1
▼ Buffer Solutions	REF
HybriDetect Chase Buffer	МНСВ 1
HybriDetect Chase Buffer A	МНСВА 1
HybriDetect Chase Buffer B	МНСВВ 1
Evaluation Platform	REF
myilab research - Lateral Flow Reader	MYILABR 1

HybriDetect Product Series General Description

What is HybriDetect?

Milenia HybriDetect is an **universal lateral flow development platform** for researchers all over the world to design their individual rapid test.

It is a ready-to-use, universal test strip (dipstick) based on lateral flow technology using gold particles. The dipstick can be used to develop qualitative or semi-quantitative rapid test systems for a wide range of analytes, such as:

- Gene Amplification Products
- DNA
- RNA
- Proteins
- Peptides

- Antibodies
- Metabolites
- Cells
- ect.



Lateral Flow Tests



DNA Amplification



Buffer Solutions



Evaluation Platform

▼ Lateral Flow Tests

HybriDetect	REF MGHD 1
Short Description	HybriDetect is a universal lateral flow test strip for the detection of analytes (proteins, genomic amplicons) labelled with fluorescein (FAM or FITC) and Biotin.
Tests/Kit	100
Possible Analytes	DNA/RNA Proteins
Lines	1 Test Line 1 Control Line
Detection of	Biotin-FAM/FITC-labelled analyte
Structure	sample application pad gold nanoparticle with polyclonal anti-FITC/FAM antibody (rabbit) streptavidin mitrocellulose membrane wicking pad polyclonal anti-rabbit antibody (goat)
Sensitivity	1 fmol (Biotin/FAM) labelled analyte
Compatible Techniques	Often: PCR, RPA, LAMP, CRISPR/Cas Rare: RCA, RAA, Aptamers, CPA, MIRA
Compatible Buffers	MHCB 1 / MHCBA 1 / MHCBB 1
Compatible Products	HLK 1 / HLHSK 1 / HLP 1 / HLHSP 1 / MYILABR 1

▼ Lateral Flow Tests (continued)

HybriDetect 2T	REF MGHD 2 1
Short Description	HybriDetect 2T is a universal lateral flow test strip for simultaneos detection of two different analytes (proteins, genomic amplificates) labelled with fluorescein (FAM or FITC), Biotin and Digoxigenin.
Tests/Kit	100
Possible Analytes	DNA/RNA Proteins
Lines	2 Test Line 1 Control Line
Detection of	Biotin-FAM/FITC-labelled analyte Digoxigenin-FAM/FITC-labelled analyte
Structure	gold nanoparticle with polyclonal anti-DIG antibody (goat) streptavidin polyclonal anti-body (goat) polyclonal anti-body (goat) polyclonal anti-goat antibody (rabbit)
Sensitivity	5 fmol (Biotin/FAM) labelled analyte 5 fmol (Digoxigenin/FAM) labelled analyte
Compatible Techniques	Often: PCR, RPA, LAMP Rare: RAA, Aptamers, CPA, MIRA, CRISPR/Cas
Compatible Buffers	MHCB 1 / MHCBA 1 / MHCBB 1
Compatible Products	HLK 1 / HLHSK 1 / HLP 1 / HLHSP 1 / MYILABR 1

▼ Lateral Flow Tests (continued)

HybriDetect Cassette	e REF MGHC 1
Short Description	HybriDetect Cassette is a universal lateral flow cassette for the detection of analytes (proteins, genomic amplicons) labelled with fluorescein (FITC or FAM) and Biotin.
Tests/Kit	20
Possible Analytes	DNA/RNA Proteins
Lines	1 Test Line 1 Control Line
Detection of	Biotin-FAM/FITC-labelled analyte
Structure	gold nanoparticle with polyclonal anti-FITC/FAM antibody (rabbit) T C
Sensitivity	1 fmol (Biotin/FAM) labelled analyte
Compatible Techniques	Often: PCR, RPA, LAMP, CRISPR/Cas Rare: RCA, RAA, Aptamers, CPA, MIRA
Compatible Buffers	MHCB 1 / MHCBA 1 / MHCBB 1
Compatible Products	HLK 1 / HLHSK 1 / HLP 1 / HLHSP 1 / MYILABR 1

▼ Lateral Flow Tests (continued)

HybriDetect Variant	REF MGHDV 1
Short Description	The HybriDetect Variant is an offer for all researchers working with our HybriDetect test strips, who might need a modification of those. Therefore, we offer the customization of the test strips to your specific needs.
Tests/Kit	100
Minimum Order Quantity (MOQ)	8 Kits
Possible Analytes	Typically DNA/RNA or Proteins
Lines	Adjustable
Detection of	Labelled analyte(s)
Modifications already done	 test strips without gold conjugate adaption of the test and control line positions additional test line(s) immobilization of ssDNA on the NC-membrane or gold width of the test strip (3 mm, 4 mm, 5 mm,) length of the test strip supply cards (60 x 300 mm) instead of strips reversed test strip (streptavidin- gold conjugate) adaption of buffer components
Sensitivity	Depending on modification and application
Note! Please contact us, so we can discuss the feasibility of your idea. The pricing varies depending on the type and complexity of the adjustments.	

HybriDetect Product Series DNA Amplification

▼ DNA Amplification

HybriDetect LAMP Hot Start Kit REF HLHSK 1	
Short Description	HybriDetect LAMP Hot Start Kit contains a ready-to-use LAMP (loop mediated isothermal amplification) mix with hot start function for easy and fast assay development.
Reactions/Kit	100
Possible Analytes	DNA
Sensitivity	5 molecules of target DNA
Evaluation	Lateral Flow StripAgarose Gel ElectrophoresisFluorescence
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1 / MYILABR 1

HybriDetect LAMP Hot Start Polymerase REF HLHSP 1		
Short Description	HybriDetect LAMP Polymerase kit contains single components to develop and adjust your own LAMP (loop mediated isothermal amplification) mix with hot start function.	
Reactions/Kit	100	
Possible Analytes	DNA	
Sensitivity	3 molecules of target DNA	
Evaluation	Lateral Flow StripAgarose Gel ElectrophoresisFluorescence	
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1 / MYILABR 1	

HybriDetect Product Series DNA Amplification

▼ DNA Amplification

HybriDetect LAMP Kit REF HLK 1	
Short Description	HybriDetect LAMP Kit contains a ready-to-use LAMP (loop mediated isothermal amplification) mix for easy and fast assay development.
Reactions/Kit	100
Possible Analytes	DNA
Sensitivity	5 molecules of target DNA
Evaluation	Lateral Flow StripAgarose Gel ElectrophoresisFluorescence
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1 / MYILABR 1

HybriDetect LAMP Polymerase REF HLP 1		
Short Description	HybriDetect LAMP Polymerase kit contains single compo-nents to develop and adjust your own LAMP (loop mediated isothermal amplification) mix.	
Reactions/Kit	100	
Possible Analytes	DNA	
Sensitivity	5 molecules of target DNA	
Evaluation	Lateral Flow StripAgarose Gel ElectrophoresisFluorescence	
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1 / MYILABR 1	

HybriDetect Product Series

Buffer Solutions

▼ Buffer Solutions

HybriDetect Chase Buffer REF MHCB 1	
Short Description	The HybriDetect Chase Buffer is a basic buffer for the evaluation of HybriDetect Lateral Flow tests and works well for most applications.
Volume	10 mL / Bulk
Regular Part of the Kit	MGHD 1
Optimized for Evaluation of	Basic buffer: works well for most applications
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1

HybriDetect Chase Buffer A REF MHCBA 1	
Short Description	The HybriDetect Chase Buffer A works specifically well for the evaluation of PCR amplicons with our HybriDetect Lateral Flow tests but is suitable for many other applications as well.
Volume	10 mL / Bulk
Optimized for Evaluation of	PCR
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1

HybriDetect Chase Buffer B	
Short Description	The HybriDetect Chase Buffer B works specifically well for the evaluation of RPA and LAMP amplicons with our HybriDetect Lateral Flow tests but is suitable for many other applications as well.
Volume	10 mL / Bulk
Regular Part of the Kit	MGHD2 1
Optimized for Evaluation of	RPA, LAMP
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1

HybriDetect Product Series Evaluation Platform

▼ Evaluation Platform

myilab research	REF MYILABR 1
Short Description	The myilab research reader allows the user to carry out a desktop computer independent, objective measurement of specific Lateral Flow Assays from Milenia Biotec GmbH.
Handling	Intuitive and easy to use design
Measurement Time	15 seconds
Data Presentation	 Results are shown immediately on screen Export of results via e-mail as CSV file
Compatible Products	MGHD 1 / MGHD2 1 / MGHC 1

HybriDetect Product Series Contact

Contact

Any questions? Please contact us:

Milenia Biotec GmbH Versailler Str. 1 35394 Gießen Germany

www.milenia-biotec.com

<u>info@milenia-biotec.de</u>

+49 641 948883-0

You can also contact us via the contact form.

Stay informed, follow us!





