



milenia biotec
Lateral Flow Rapid Tests
and more

HybriDetect -

The Tool for Simple Rapid Test Development

HybriDetect 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 quantitative rapid test systems for a wide range of analytes such as antibodies, gene amplification products or proteins.

Multiple Test Development Applications

You can use HybriDetect for point-of-need (PON) test development projects in many different applications. The product is frequently used for the development of molecular biology methods. So far the detection of products derived from amplification methods, incl. RPA, LAMP and PCR, are frequently described. However, molecular biology detection methods without an amplification step are also possible to develop with HybriDetect. One example is the detection of ribosomal RNA (rRNA) via sandwich hybridization. The development of immunoassays is another possibility with HybriDetect. Whether this is a sandwich or a competitive test - no problem at all with HybriDetect!

Speed

After applying the sample to the HybriDetect test strip highly positive samples can be identified within seconds. Usually results can be reported within 5 min, depending on the application of the product.

Frequently cited in the Scientific Literature

Since HybriDetect was launched in 2003, the product has been used by many researchers and cited in a number of high-quality publications, currently in total 475. A list of all these publications is available on our [website](#).

Point-of-need (PON) Applications

Due to simple handling, interpretation and documentation, the use of HybriDetect is not bound to a laboratory and can therefore be used at any place, whether this is a field, a pond or any other location!

Sensitivity

HybriDetect is 100–1.000 x more sensitive than an agarose gel when molecular biology products are detected. Agarose gels are the basic method used by researchers all over the world for the detection of molecular biology products.

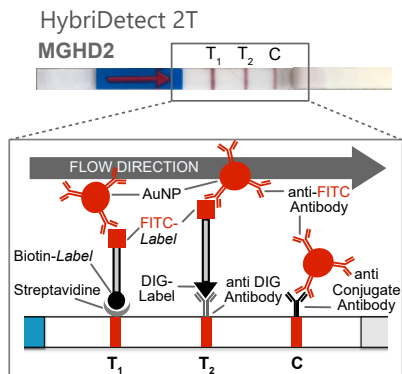
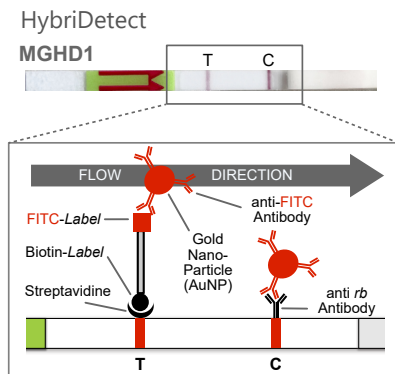
Cost Effectiveness

The results of HybriDetect are visible to the naked eye. Therefore, no equipment is necessary to report results.

Reliable Quality

HybriDetect is manufactured by Milenia Biotec GmbH, Gießen, Germany under the rules of a certified quality management system (ISO 13485: 2016). The test strips are an integral component of a number of diagnostic kits manufactured by Milenia Biotec GmbH and other partners from the diagnostic industry. Milenia Biotec delivers daily and worldwide.

Working Principle



Evaluation



The Lateral Flow Test Strips can be evaluated very easily in the following ways:

- ▼ by **visual evaluation**
- ▼ with [mylab research](https://www.mylabresearch.com) - our Lateral Flow Reader



[mylab research](https://www.mylabresearch.com)

HybriDetect Family - Find the right test for your Lateral Flow Development

HybriDetect (REF MGHD 1)



Detection of **one** analyte

HybriDetect 2T (REF MGHD2 1)



Simultaneous detection of **two** analytes

HybriDetect Cassette (REF MGHC 1)



Bring your developed assay to a final product

Any questions? Please contact us!

📍 Milenia Biotec GmbH
Versailler Str. 1
35394 Gießen
Germany

✉ info@milenia-biotec.de
☎ +49 641 948883-0
🌐 www.milenia-biotec.com

Visit our Website

