

HybriDetect

Chase Buffer A

Buffer for the Evaluation of PCR Amplicons
with Lateral Flow Tests



REF MHCBA 1

IFU / REF MHCBA 1 / REV A / 2025-07-23

Note: Significant changes are indicated by dotted lines in the margin.
A change history can be found at the end of the instructions for use.



Milenia Biotec GmbH

Versailler Str. 1

35394 Gießen

Germany

Tel.: +49 641 94 8883-0

Fax: +49 641 94 8883-80

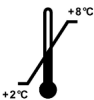
E-mail: info@milenia-biotec.de

Web: www.milenia-biotec.com

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Explanation of Symbols

Symbol	Explanation	Symbol	Explanation
	<i>Manufacturer</i>		Temperature limit
	<i>Catalogue number</i>		Consult <i>instructions for use</i> or consult electronic <i>instructions for use</i>
	<i>Batch Code</i>		Unique Device Identification
	Use-by date		

Warnings and Precautions

- Store the buffer at 2 - 8° C in their original containers.
- The expiration date must be observed. Do not use components past the expiration date!
- The disposal of waste materials must be carried out according to current local regulations.
- The assay buffer contains an anti-microbial reagent; therefore avoid contact with skin and/or mucous membranes.
- For professional users.

Materials Supplied, Storage and Stability

Materials Supplied



REF	Content	Description	Volume
MHCBA 1	1 x Milenia GenLine PCR-Universalmodul Laufpuffer (MGCBA)	Tris-buffered saline	10 mL

Storage and Stability

Component	Preparation	Storage	Shelf Life
Milenia GenLine PCR-Universalmodul Laufpuffer (MGCBA)	ready-to-use	2 - 8 °C	until expiry date

Buffer Composition

- TRIS (Tris(hydroxymethyl)aminomethane buffered saline
- pH 7.4
- 0.05 % Sodium azide
- Viscosity regulating components (Reagent A)

Compatibility

The buffer is used in combination with one of our Lateral Flow Test kits. The MHCBA 1 is compatible with the following Lateral Flow Test kits:

- Milenia GenLine HybriDetect (REF: MGHD 1)
- Milenia GenLine HybriDetect 2T (REF: MGHD2 1)
- Milenia GenLine HybriDetect Cassette (REF: MGHC 1)

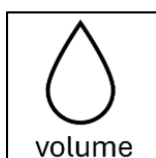
The **HybriDetect Chase Buffer A** works specifically well for the evaluation of **PCR amplicons** but is suitable for many other applications as well. In some cases, it can be helpful to further adapt this buffer for your specific application or to try one of our other buffer systems.

Buffer and Sample Application

The buffer is needed as matrix to transport your sample through the test strip. The buffer and sample application has an impact on the evaluation result. There are two different ways to apply the sample to the Milenia Lateral Flow Test Kits.

1. The sample is applied directly to the SAP (sample application pad) of the test strip or through the sample application area of the cassette. Typical sample volumes are 2-10 μl . Subsequently the chase buffer (MGCBA) is applied to the SAP. The test strip or test cassette is incubated for several minutes.
2. The sample can be mixed with the chase buffer (MGCBA). Subsequently the solution containing sample and MGCBA is applied to the SAP. The test strip or test cassette is incubated for several minutes.

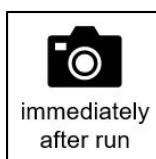
There is no general recommendation for one sample application method. Which method works best for you may vary.



You are free to adjust the buffer volume of your assay. Typical volumes are 40-120 μl . However, the minimum total volume (buffer + sample) that should be applied is 40 μl .



The minimum incubation time of Milenia HybriDetect lateral flow tests is 2 minutes. We recommend an incubation time of 5 minutes for good results. The incubation time should not exceed 15 minutes.



The evaluation of your test by eye, picture, or Milenia lateral flow reader (REF: MYILABR 1) should be done immediately after the run is finished. During the drying process of the membrane (after the run finished) some gold particles can agglomerate at the test line(s) and form a slight false-positive band after several minutes.

Additional Products Available

REF	Product Name	Content	Tests/ Volume	Description
MHCB 1	HybriDetect Chase Buffer	1 x 10 mL Milenia GenLine Dipstick Assay Buffer (MGCB)	10 mL	Basic buffer for evaluation of lateral flow tests.
MHCBB 1	HybriDetect Chase Buffer B	1 x 10 mL Milenia GenLine Universalmodul Assay Buffer (MGCBB)	10 mL	Buffer for the evaluation of RPA and LAMP amplicons with lateral flow tests.
MGHD 1	Milenia GenLine HybriDetect	2 x 50 HybriDetect Dipsticks (MGDS) 2 x 10 mL HybriDetect Assay Buffer (MGCB)	100	Dipsticks with one test band (biotin) and one control line.
MGHD2 1	Milenia GenLine HybriDetect 2T	2 x 50 HybriDetect 2T Dipsticks (MGDS2A) 2 x 10 mL HybriDetect Assay Buffer (MGCBB)	100	Dipsticks with two different test bands (biotin and digoxigenin) and one control line.
MGHC 1	Milenia GenLine HybriDetect Cassette	20 x HybriDetect Cassette (MGSHC) 1 x 10 mL HybriDetect Assay Buffer (MGCB)	20	Cassette with one test band (biotin) and one control line.
MYILABR 1	myilab research	1 x myilab research device	-	Lateral flow reader for the evaluation of Milenia GenLine HybriDetect test strips and cassettes.

Contact

For additional information and support, please contact us:



Milenia Biotec GmbH

Versailler Str. 1
35394 Gießen
Germany
Tel.: +49 641 94 8883-0
Fax: +49 641 94 8883-80
E-mail: info@milenia-biotec.de
Web: www.milenia-biotec.com

Change History

Datum	Revision	Revisionsgrund
23.07.2025	IFU/REF MHCBA 1/ REV A / 2025-07-23	Creation of the IFU

