

Taq PCR Buffer, 5x

Product Handling Guide

Shipping:	On Dry or Blue Ice
Catalog number:	MDX002
Batch No.:	See vial
Concentration:	5x

Store at -20 °C



Storage and stability:

Taq PCR Buffer is shipped on dry or blue ice. On arrival store at -20 °C for optimum stability. Repeated freeze/thaw cycles should be avoided. Thawing during transportation does not affect the product performance. Solutions should be mixed/equilibrated after each thawing to avoid phasing.

Expiry:

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

Safety precautions:

Read and understand the SDS (Safety Data Sheets) before handling the reagents. Hardcopies of the SDS will be provided with the first shipment, thereafter they will be available upon request.

Quality control:

Bioline operates under ISO 13485 Quality Management System. Taq PCR Buffer and its components are extensively tested for activity, processivity, efficiency, heat activation sensitivity, absence of nuclease contamination and absence of nucleic acid contamination.

Notes:

This reagent has been manufactured under 13485 Quality Management System and is suitable for further manufacturing use as an IVD component.

Description

Taq PCR Buffer is a combination of the latest advances in buffer chemistry together with enhancers, stabilizers, dNTPs and MgCl₂ at optimal concentrations. Taq PCR Buffer has been designed for superior fast amplification across a range of templates.

Kit components

Table 1

Component
Taq PCR Buffer, 5x

Users Guidelines

Master mix preparation

Recommended reagent volumes per 20 µL PCR mix are given in Table 2.

Table 2

Reagent	Volume
Taq PCR Buffer, 5x	4 µL
Taq DNA Polymerase*	1 µL
Primer-Probe Mix, 20x	1 µL
Template**	Up to 9 µL
Water	As required
Total volume	Up to 20 µL

*We recommend using a high-quality polymerase such as Taq HS DNA Polymerase MDX008

**Use up to 1 µg of complex (e.g. eukaryotic) genomic DNA or 100 ng cDNA in a single PCR

Assay setup

The PCR conditions in Table 3 are suitable for amplicons of up to 1 kb.

Table 3

Step	Temperature	Time	Cycles
Initial denaturation	95 °C	1 min	1
Denaturation	95 °C	15 s	25-35
Annealing	User determined	15 s	
Extension	72 °C	10 s	

Related Products	Cat. No.
Taq HS DNA Polymerase	MDX008
Taq DNA Polymerase	MDX001
Taq HS Antibody	MDX014

Technical Support

For any technical enquiries, please contact our Technical Support team via email at: mbi.tech@meridianlifescience.com

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