

# Bst Reaction Buffer, 10x Product Handling Guide

Shipping:	On dry/blue ice
Catalog number:	MDX076
Batch No.:	See vial
Concentration:	10x

Store at -20 °C



#### Storage and stability:

Bst Reaction Buffer, 10x is shipped on dry or blue ice. On arrival store at -20 °C for optimum stability. Repeated freeze/thaw cycles should be avoided. 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. Bst Reaction Buffer, 10x and its components are extensively tested for activity, processivity, efficiency, heat activation, sensitivity, absence of nuclease contamination and absence of nucleic acid contamination.

#### Notes:

For research or further manufactured use only.

## Description

Bst Reaction Buffer, 10x is optimized for use with Bst DNA Polymerase.

## Kit components

Table 1

Component
Bst Reaction Buffer, 10x

## Users Guidelines

Thawing during transportation does not affect the product performance.

## LAMP Optimisation

MgSO<sub>4</sub> is included in the 10x Bst Reaction Buffer to deliver a final concentration of 8 mM in the reaction. This can be increased up to 16 mM depending on individual assay requirements.

dNTPs can be optimised between 1.6 mM (0.4 mM each) and 6 mM (1.5 mM each) final concentration.

Related Products	Cat. No.
Bst DNA Polymerase, 8 U/μL	MDX012
High Conc. Glycerol-Free Bst	MDX018
Enzyme Dilution Buffer, 10x	MDX080
Enzyme Dilution Buffer, 1x	MDX078
dNTP Mix, 100mM	MDX051

## Technical Support

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

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