

Proteinase K Solution

Product Handling Guide

Shipping:	On Dry or Blue Ice
Catalog number:	MDX055
Batch No.:	See vial
Concentration:	20 mg/mL

Store at -20 °C

meridian BIOSCIENCE™

Storage and stability:

Proteinase K Solution is shipped on dry or blue ice. On arrival store at -20 °C for optimum stability.

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. Proteinase K Solution is extensively tested for activity prior to release.

CAS Number:

39450-01-6



Xi: IRRITANT
Xn: HARMFUL

Description

Proteinase K Solution is an enzyme used to digest most proteins in molecular biological techniques. The enzyme may be used at 56 °C for up to 4 hours, or 37 °C for overnight incubations. Proteinase K Solution is a stabilized stock solution (20 mg/mL), stabilized with a specially formulated buffer and can be used directly from the freezer.

Kit components

Table 1

Component
Proteinase K Solution

Characteristics

Table 2

Concentration:	20 mg/mL
Specific Activity:	≥46.1 units/mg protein
Contaminants:	RNase Activity: No detectable ribonuclease activity detected with MS2 RNA after 6-hour incubation at 37 °C
	DNase Activity: No detectable nicking activity detected with pBR322 after 6-hour incubation at 37 °C
Unit definition:	One unit is defined as the amount of enzyme that will liberate 1.0 μmol of tyrosine per minute at 37 °C, pH 7.5.

Related Products	Cat. No.
Tissue Extract-PCR Buffer	MDX004
qPCR Extraction Control	MDX026
qPCR Extraction Control	MDX027
RT-qPCR Extraction Control	MDX028
RT-qPCR Extraction Control	MDX029

Technical Support

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

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