

## Liquid Proteinase K

Dear valued customer,

Thank you for choosing MACHEREY-NAGEL for your application.

This product is for research use only.

Important information regarding product components, specifications, safety instructions, and processing protocols, can all be found on the product website and accessed easily via the QR code.

[QR-Code product website](#)



[qr.mn-net.com/qr/\(241\)740396](http://qr.mn-net.com/qr/(241)740396)

## Contents

Product	REF	Pack of
Liquid Proteinase K	740396	5 mL
	740396.30	30 mL

## Product description

Proteinase K is a very robust endopeptidase and inactivates proteins without any pronounced cleavage specificity. Proteinase K is very active in the presence of agents that denature proteins (e.g. SDS and urea). It destructs proteins in cell lysates and promotes the isolation of nucleic acids and is therefore commonly used for nucleic acid preparation as it inactivates rapidly nucleases, such as DNases and RNase.

The ready-to-use Liquid Proteinase K is a recombinant enzyme from *Tritirachium album* and is expressed in *Pichia pastoris*. It has the identical molecular structure and enzymatic characteristics as the native protein.

Liquid Proteinase K specifications

<b>Source:</b>	<i>Tritirachium album</i> expressed in <i>Pichia pastoris</i>
<b>Form:</b>	liquid
<b>Use:</b>	For research use only
<b>Activity:</b>	≥ 50 U/mL (chromozyme assay)
<b>Concentration:</b>	14–22 mg/mL
<b>DNA content:</b>	≤ 10 pg/mg enzyme
<b>Contaminating nuclease:</b>	No degradation of RNA/DNA observed after incubation for 16 h at 37 °C.

## Storage conditions and preparation of working solution

Liquid Proteinase K can be stored at 15–25 °C and is stable until: see package label.

After first time use, store Liquid Proteinase K at 4 °C or -20 °C.

## Safety instructions

When working with this product, wear suitable protective clothing (e.g., lab coat, disposable gloves, and protective goggles).



## QR-Code Safety Data Sheet

Please find a digital version of the safety data sheets by following the link below:



[www.mn-net.com/sds](http://www.mn-net.com/sds)

## Product use restriction / warranty

All MACHEREY-NAGEL products are designed for their intended use only. They are not intended to be used for any other purpose. The description of the intended use of the products can be found in the original MACHEREY-NAGEL product leaflets. Before using our products, please observe the instructions for use and the safety instructions from the respective Material Safety Data Sheet of the product.

This MACHEREY-NAGEL product is carrying documentation stating specifications and other technical information. MACHEREY-NAGEL warrants to meet the stated specifications. The provided warranty is limited to the data specifications and descriptions as given in the original MACHEREY-NAGEL literature. No other statements or representations, written or oral, by MACHEREY-NAGEL's employees, agents or representatives, except written statements signed by a duly authorized officer of MACHEREY-NAGEL are authorized. They should not be relied upon by the customer and are not a part of a contract of sale or of this warranty.

Liability for all possible damages that occur in any connection with our products is limited to the utmost minimum as stated in the general business terms and conditions of MACHEREY-NAGEL in their latest edition which can be taken from the company's website. MACHEREY-NAGEL does not assume any further warranty.

Products and their application are subject to change. Therefore, please contact our Technical Service Team for the latest information on MACHEREY-NAGEL products. You may also contact your local distributor for general scientific information. Descriptions in MACHEREY-NAGEL literature are provided for informational purposes only.

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