

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/\(241\)740506](http://qr.mn-net.com/qr/(241)740506)

Contents

Proteinase K			
REF	740506	740506.75	740506.30
Proteinase K (lyophilized)	100 mg (2 × 50 mg)	75 mg	30 mg
Proteinase Buffer PB	8 mL	8 mL	1.8 mL

Product description

Proteinase K is delivered with a stabilizing solution (Proteinase Buffer PB) enabling storage for up to six months at -20 °C without decrease of proteinase activity. Stability is considerably increased if Proteinase K is dissolved in Proteinase Buffer compared to Proteinase K dissolved in water. Proteinase Buffer is compatible with NucleoSpin® and NucleoBond® kits and also suitable for most other applications.

Note: NucleoSpin® or NucleoBond® kits may require different Proteinase K stock solution concentrations (e.g., NucleoSpin® Tissue: 20 mg/mL; NucleoSpin® 8/96 Tissue: 29 mg/mL). See individual protocols for detailed information.

Proteinase K specifications

Source:	<i>Tritirachium album</i>
Form:	2 × 50 mg / 75 mg / 30 mg, white freeze-dried material
Activity:	≥ 30 U/mg (hemoglobin, 37 °C)
Solubility:	Readily soluble in a concentration of 20 mg/mL in analytical grade water or PB
DNA content:	content: < 2 ppm
Contaminating deoxyribo-nuclease:	No degradation of genomic DNA observed after incubation for at least 6 h at 37 °C in a typical restriction digest buffer: 33 mM Tris-acetate, pH 7.9, 10 mM magnesium acetate, 66 mM potassium acetate, 0.1 mg/mL BSA.

Storage conditions and preparation of working solution

Lyophilized Proteinase K and Proteinase Buffer PB can be stored at 15–25 °C until: see package label.

Add the indicated volume of Proteinase Buffer PB to dissolve lyophilized Proteinase K in order to obtain a 20 mg/mL solution. Proteinase K solution is stable at -20 °C for up to 6 months.

See the individual protocols for detailed information, if other concentrations are required.

Proteinase K			
REF	740506	740506.75	740506.30
Proteinase K (lyophilized)	2 × 50 mg	75 mg	30 mg
	Add 2.5 mL Proteinase Buffer PB to each vial	Add 3.75 mL Proteinase Buffer PB	Add 1.5 mL Proteinase Buffer PB

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

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.

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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.

Contact MN

Germany and international

MACHEREY-NAGEL GmbH & Co. KG
Valenciennner Str. 11 · 52355 Düren · Germany
Tel.: +49 24 21 969-0
Toll-free: 0800 26 16 000 (Germany only)
E-mail: info@mn-net.com

Technical support Bioanalysis

Tel.: +49 24 21 969-333
E-mail: support@mn-net.com

USA

MACHEREY-NAGEL Inc.
924 Marcon Blvd. · Suite 102 · Allentown PA, 18109 · USA
Toll-free: 888 321 6224 (MACH)
E-mail: sales-us@mn-net.com

France

MACHEREY-NAGEL SAS
1, rue Gutenberg – BP135 · 67720 Hoerdt Cedex · France
Tel.: +33 388 68 22 68
E-mail: sales-fr@mn-net.com

MACHEREY-NAGEL SAS (Société par Actions Simplifiée) au capital de 186600 €
Siret 379 859 531 00020 · RCS Strasbourg B379859531
N° intracommunautaire FR04 379 859 531

Switzerland

MACHEREY-NAGEL AG
Hirsackerstr. 7 · 4702 Oensingen · Switzerland
Tel.: +41 62 388 55 00
E-mail: sales-ch@mn-net.com

