MACHEREY-NAGEL

Liquid Proteinase K

1 Contents

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

2 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.

3 Liquid Proteinase K specifications

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

4 Storage conditions and preparation of working solution

Liquid Proteinase K can be stored at room temperature (18–25 °C) and is stable for at least one year. After first time use, store Liquid Proteinase K at 4 °C or -20 °C.

5 Safety instructions

Use the product according to the user manual.

The product does not contain components requiring GHS hazard or precaution phrases.

6 Product use restriction / warranty

Liquid Proteinase K is developed, designed, and sold for research purpose only. All goods have to be checked immediately upon receipt. Damage claims are only acceptable in writing within 8 working days of receipt of all the goods. In case of legitimate claims the buyer can only require replacement of the goods. If replacement is not possible, the buyer has the right to choose between alternative products with same value or refund. The buyer cannot claim further compensation. All returns must first be authorized by us in writing. We offer a one year warranty from date of delivery that our products will conform to applicable specifications set forth in the product specifications if not sold to persons set forth in § 13 of German Civil Code. In such a case, the provisions of the German Civil Code shall be valid.

This warranty does not cover defects in or damage to the products which are due to improper installation or maintenance, misuse, neglect or any use other than ordinary commercial application.

Any discharge from liability will be void if a defect results from a heavily negligent or intentional breach of contract or if the buyer

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will be bodily injured as a result from a negligent or intentional breach.

The seller shall not be liable for the goods being fit for a particular purpose unless otherwise agreed upon, to which the buyer intends to put them.

This warranty is strictly exclusive. Any further damage compensation is impossible.

MACHEREY-NAGEL MAKES no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER; DIRECTLY OR INDIRECTLY; EXPRESS OR IMPLIED; INCLUDING; WITHOUT LIMITATION; AS TO THE SUITABILITY; REPRODUCIBILITY; DURABILITY; FITNESS FOR A PARTICULAR PURPOSE OR USE; MERCHANTABILITY; CONDITION; OR ANY OTHER MATTER WITH RESPECT TO MACHEREY-NAGEL PRODUCTS OR THE SALE OF MACHEREY-NAGEL PRODUCTS.

If not superseded by these terms the current terms and conditions for the sale of goods (export version) are additionally valid.

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