

Instructions for Use

Life Science Kits & Assays



innuPREP Proteinase K

1 Product specifications

- Molecular Cloning Grade
- Specific activity: >30 U/mg
- Cloned from *Engyodontium album*
- Proteolytic degradation of biologic material
- Deactivation of DNase and RNase

2 Intended use

The innuPREP Proteinase K is a broad-spectrum serine peptidase (EC 3.4.21.64). The predominant site of cleavage is the peptide bond adjacent to the carboxyl group of aliphatic and aromatic amino acids with blocked alpha amino groups. The Proteinase K can be inactivated by diisopropyl fluorophosphates (DFP) or phenyl methane sulfonyl fluoride (PMSF).

The Proteinase K is shipped as a lyophilisate and has to be reconstituted with ddH₂O.

For research only!

3 Product and order number

Name	Amount	Order-no.
innuPREP Proteinase K	6 mg	845-CH-0010006
innuPREP Proteinase K	30 mg	845-CH-0010030

4 Storage conditions

The innuPREP Proteinase K is shipped at ambient temperature.

Store lyophilized and dissolved **Proteinase K** at 4 °C to 8 °C!

5 Safety precautions

The innuPREP Proteinase K shall only be handled by educated personnel in a laboratory environment. The compliance with the specified procedure is absolutely mandatory when performing this assay.

Reagents should be stored in their original containers at the indicated temperatures. Do not replace individual components with those from different batches or kits. Note the indicated expiration dates.

Do not eat, drink or smoke while handling the product.

Wear protective clothing and safety gloves.

All samples and test materials should be handled and disposed of as infectious material, in accordance with regulatory requirements.

Reagent containers that have not come in contact with potentially infectious material may be disposed of along with ordinary laboratory waste.

NOTE

Emergency medical information in English and German can be obtained 24 hours a day from:

Poison Information Center, Freiburg / Germany

Phone: +49 (0)761 19 240.

For more information on GHS classification and the Safety Data Sheet (SDS) please contact sds.innu@ist-ag.com.

6 Delivered components

Components	6 mg	30 mg
Order number	845-CH-0010006	845-CH-0010030
Proteinase K	for 1 x 0.3 ml working solution	for 1 x 1.5 ml working solution
ddH ₂ O	2 ml	2 ml

7 Reconstitution of Proteinase K

NOTE

The **Proteinase K** is shipped as a lyophilisate and has to be reconstituted with **ddH₂O** before usage.

1. Before opening the vial with **Proteinase K** ensure that the lyophilisate (white powder) is at the bottom of the vial. Otherwise centrifuge the tube for a few seconds.
2. Carefully open the vial and add **ddH₂O** according to package size ordered (see table below).

Amount of Proteinase K	ddH ₂ O to be added
6 mg	0.3 ml
30 mg	1.5 ml

3. Close the lid of the vial and mix thoroughly until completely dissolved.
4. Store as described above.

8 Related Products

Name	Amount	Order No.
Additional products for nucleic acid purification		
innuPREP Proteinase K	6 mg	845-CH-0010006
	30 mg	845-CH-0010030

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