

Protease K solution 20 mg/mL

For Research Use Only. Not for use in diagnostic procedures.

Product overview

Protease K solution is provided in solution at 20 mg/mL. Enzymatic activity is ≥ 600 U/mL. The solution is supplied at pH 8.0.

Protease K is stable over a wide pH range (4.0-12.5), with optimal pH range of 7.5-8.0.

Protease K is most active at 55-60 °C, and functions optimally at 56 °C. A decrease in activity may be observed at temperatures above 60 °C. A suggested incubation would be 30 minutes at 56-60 °C. When working in plates, we recommend incubating at 60 °C as heat transfer in plates is not optimal and it can take time until the sample(s) themselves reach 60 °C.

Please note that RNase and DNase can be digested by Protease K when added simultaneously. We recommend adding RNase to a sample first, incubating as required, before the Protease K is added and a subsequent incubation performed. Exact incubation times will need to be validated for your specific application. The enzyme can be completely inactivated through incubation at 95 °C for 10 minutes.

Storage

Protease K solution should be stored at room temperature and is stable for 1 year. Please refer to product label for exact expiry date. The product can be shipped at room temperature. It is a very heat-stable and robust enzyme, and long-term storage of our protease solution at higher than ambient temperatures has shown no reduction in activity.

Ordering information

Cat no.	Description	Volume
NAP30-002-01	Protease K solution 20 mg/mL	1 mL
NAP30-002-02	Protease K solution 20 mg/mL	10 mL
NAP30-002-03	Protease K solution 20 mg/mL	100 mL
NAP30-002-04	Protease K solution 20 mg/mL	250 mL
NAP30-002-05	Protease K solution 20 mg/mL	500 mL
NAP30-002-06	Protease K solution 20 mg/mL	1000 mL

Safety information

The SDS for Proteinase K solution can be accessed via our web shop: shop.biosearchtech.com.



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