

Proteinase K, lyophilized powder

Description: Proteinase K is a broad-spectrum serine protease with a very high specific activity. It is used for general digestion of proteins in biological samples or for inactivation of other enzymatic activities. Proteinase K is active also in the presence of SDS, EDTA and chaotropic salts. The enzyme shows higher stability and purity and can therefore function in a wide pH range (pH 4 - 12.5) and high temperatures up to 70 °C. The enzyme is free of RNase, DNase and Nickase activities and shows an activity > 30 U/mg.

The recommended working concentration for Proteinase K is 50 – 100 µg/ml for common applications.

Storage: -18 °C to - 22 °C for long term, + 2 to + 8 °C for short term

REF	405202	405210
Proteinase K	200 mg	1 g

Application: Digestion of samples in nucleic acid purification, extraction of non-protein components from tissues, Western Blot

Unit definition: One unit (U) is defined as the amount of enzyme required to hydrolyze casein to produce 1 µmol tyrosine per minute.



- See REF 405102/ 405152 for a ready-to-use Proteinase K Solution with a concentration of 20 mg/ml.
- Please wear laboratory protective equipment when working with Proteinase K.



Danger

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Wear Personal protective equipment.

BIORON GmbH – In den Rauhweiden 20 - 67354 Römerberg (Germany)

Phone +49 6232 298 45 0 - Fax +49 6232 298 45 29

info@bioron.net www.bioron.net