



## Proteinase K Set

For MagCore® System automated purification

Cat.No.PK011/PK040  
36/96/192 Reactions Set  
Conc.: >20 Units/mg

V3.0



## Proteinase K Set

Content	PK011	PK040
Proteinase K	11mg	40mg
PK Storage Buffer	1.25ml	5ml

### Shipping and Storage

The Proteinase Set is shipped at room temperature and should be stored immediately upon receipt at 2–8°C. If it mixes with PK Storage Buffer, please store at -20°C for least 6 months.

### Description

Proteinase K is strong proteolytic activity on a wide variety of denatured and native proteins of high molecular weight. It is a nonspecific serine protease and is not inactivated by metal ions, chelating agents (e.g., EDTA), sulfhydryl reagents or by trypsin or chymotrypsin inhibitors. The temperature optimum for the enzyme is 65°C; it is twelve times more active at 65°C than at 25°C.

### Unit Definition

One unit is described as that amount of enzyme that liberates 1 μ mole of Folin-positive amino acid within one minute at 37°C using hemoglobin as a substrate.

### Preparation before using

Add 1.1 ml/4 ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K solution at -20 °C (10 mg/ml).

### Procedure

Please refer to the "MagCore Nucleic Acid Extraction Kit User's Manual".



[www.rcbioscience.com](http://www.rcbioscience.com)



RBCBioscience