Proteinase K Reagent (10 mg/mL)

Cat. No: E-IR-R109 **Size: 1 mL / 5 mL / 10 mL**

Cat.	Products	1 mL	5 mL	10 mL	Storage
E-IR-R109	Proteinase K Reagent (10 mg/mL)	1 mL	5 mL	10 mL	-20°C

Introduction

Proteinase K is a kind of high activity Proteinase of subtilisin, which is used to degrade proteins in biological samples. It can be used to digest various proteins, and it can be used in a variety of molecular biology, cell biology and other related experiments, such as genomic DNA extraction, enzyme digestion and removal, cell permeability and so on.

Enzyme activity, > 30 U/mg. At 37°C, the amount of Proteinase K that can produce amino acids or polypeptides equivalent to 1 micromol of tyrosine Folin positive in one minute with hemoglobin as the substrate is defined as a unit of Proteinase K activity.

The effective pH range of Proteinase K is pH 4.0~12.5, and the optimal pH range is pH 7.5~8.0.

The optimum reaction temperature of Proteinase K is 65°C, but at 65°C or higher, Proteinase K can also degrade rapidly. It is suggested that the optimum reaction temperature is 50~55°C.

Specification parameters

Source	Yeast	**Appearance**	Clear liquid
MW.	29 kDa	**CAS NO.**	39450-01-6
Purity	≥95% by SDS-PAGE	**E.C**	3.4.21.64
Activity	≥30U/mg	**DNase**	Free
Buffer	PBS with 10mM Tris-HCl（pH 7.5）,5mM $CaCl_2$ and 50% glycerin	**RNase**	Free

Storage

Store at -20°C for 12 months.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com