



# Product Specifications

## PROTEINASE K SOLUTION

<u>Catalog #</u>	<u>Size</u>
IB05406	5ml

### Physical Specifications

CAS#	N/A
Tris	10mM
Calcium Chloride	1mM
Glycerol	30%

pH adjusted to 8.0 with HCl.

### Molecular Biology Specifications

DNase assay (Endo and Exo)	None Detected
RNase assay	None Detected
Protease activity on Gel Substrate	Pass

### Recommended Use

IBI's Proteinase K Solution is a stable 20mg/ml highly active proteolytic enzyme that is purified from the mold *Tritirachium album*. The enzyme has two binding sites for Ca<sup>++</sup>, which lie some distance from the active site and is not directly involved in the catalytic mechanism. The high activity of the enzyme solution (0.6U/ $\mu$ l) means that you can keep the reaction volumes low, as low as 200mg/mL. It also means that you can expect more complete digestion of your samples.

Example: For a final concentration of 200 $\mu$ g/ml, add 1ml of Protease K Solution to your sample.

### Storage

Store at +4°C.

### Warning

Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. See Material Safety Data Sheet for additional information.