

## PRODUCT SPECIFICATION

<b>Name</b>	<b>Proteinase K</b>
<b>Code</b>	<b>HE005A</b>

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### RECEIVER INFORMATION

<b>Storage Temperature</b>	Below -20 °C (up to 18 Months)
<b>Storage Notes</b>	Avoid repeat freeze thaw cycles

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### PRODUCT INFORMATION

<b>Description</b>	Proteinase K is classified as a serine protease. It degrades proteins even in the presence of detergents.
<b>Activity</b>	Approx. 40U/mg when assayed with the hemoglobin assay
<b>Application</b>	Suitable for use in Isolation of plasmid and genomic DNA/Isolation of RNA/Inactivation of RNases, DNases and enzymes in reactions/Removal of enzymes from DNA to improve cloning efficiency/PCR purification. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Host</b>	Yeast
<b>Molecular Weight</b>	~29KD
<b>Presentation</b>	Single homogenous batch, 0.02M Tris-HCl, pH7.5, 2mM CaCl <sub>2</sub>
<b>Reconstitution</b>	Dissolve the lyophilizate 30mg with 1mL of 50% glycerol to obtain a final concentration of 20mg/mL.

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### HEALTH AND SAFETY

<b>Warning</b>	For in-vitro use and research or further processing only.
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