



**Creative Enzymes**

*Diagnostic Enzymes*

## High Purity Alpha-Amylase from Porcine Pancreas

### Product Information

<b>Cat#</b>	DIA-498
<b>Source</b>	Porcine pancreas
<b>Description</b>	High purity $\alpha$ -amylase from porcine pancreas for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Powder
<b>CAS No.</b>	9000-90-2
<b>Activity</b>	~ 75,000 U/g (40 °C, pH 6.9 on Ceralpha reagent)
<b>Unit Definition</b>	One unit of $\alpha$ -amylase activity is the amount of enzyme required to release one $\mu$ mole of p-nitrophenol from blocked p-nitrophenyl-maltoheptaoside per minute, in the presence of excess $\alpha$ -glucosidase at pH 6.9 and 40 °C.
<b>Storage</b>	Below -10 °C
<b>Synonyms</b>	$\alpha$ -amylase; 4- $\alpha$ -D-glucan glucanohydrolase
<b>Enzyme Commission Number</b>	EC 3.2.1.1
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Optimum pH</b>	6.9
<b>Optimum temperature</b>	50 °C
<b>Molecular Weight</b>	54000 Da
<b>Specificity</b>	Endo-hydrolysis of $\alpha$ -1,4-D-glucosidic linkages in starch.

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