

Alpha-Amylase from Porcine Pancreatic

Product Information

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