

SPECIFICATION

α -Amylase Human Pancreas

GENERAL INFORMATION

Catalogue Number	120-15	Storage Temperature	2 – 8°C
Lot Number	NA	Storage Note	Do Not Freeze
CAS Number	9000-90-2	Shipping Note	Cold Pack
E.C. Number	3.2.1.1		
Synonyms	Alpha Amylase, Amylase		

PRODUCT INFORMATION

Source	Human Pancreas
Form	0.2 micron filtered solution in 100 mM tris chloride, 150 mM sodium chloride, and 1 mM calcium chloride, pH 7.5 with 0.05% Proclin 300 as a preservative.
Appearance	Clear, colorless to light yellow liquid
Activity	≥ 400 U/mL (Dimension® Clinical Chemistry System)
Unit Definition	One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl- α -D-maltotrioxide to yield 2-chloro-4-nitrophenol per minute at 37°C.
Protein	≥ 1.0 mg protein/mL ($E^{0.1\%}_{280nm} = 2.33$)
Specific Activity	≥ 100 U/mg protein
Contaminants	
Lipase	$\leq 0.05\%$
ALP	$\leq 0.01\%$
GOT/AST	$\leq 0.01\%$
Protease	$\leq 0.01\%$
Recertification	Two years from date of manufacture

HANDLING INFORMATION

Advice	Use aseptic technique when handling this product. If small volume, centrifuge to ensure full recovery.
Handling	Handle as a potentially hazardous substance.

Non-infectious disease statement: Negative or non-reactive at the donor level for anti-HIV 1 and 2, anti HCV, and HBsAg by FDA approved methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at the Biosafety Level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009. This product is intended for research, laboratory use, or further manufacturing. It is not for administration to humans. We certify this to be true to the best of our knowledge. The statements herein are offered for informational purposes only and are intended to be used solely for your consideration, investigation and verification. The suitability of this product for each application must be determined by each end user.

