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Product Datasheet

a-Amylase, Human Saliva
120-10

Product Name	a-Amylase, Human Saliva
Catalog Number	120-10
Alternative Names	1,4-alpha-D-Glucan-glucanohydrolase, ptyalin
Brand	Lee Biosolutions
Form/Appear	Lyophilized White to off-white powder
Concentration	≥ 0.2 mg protein/mg (Coomassie)
Storage	−20 °C
Purity	≥ 90% (SDS-PAGE)
CAS Number	9000-90-2
Source	Human Saliva
Molecular Weight	~60,000
Shelf Life	3 years
Biological Activity	≥ 100 U/mg (Siemens Dimension® Clinical Chemistry System)
Expression System	E. coli
Content	Lipase: ≤ 0.05% Protease: ≤ 0.1% Ammonia: ≤ 0.1 micromole/mg
Specific Activity	≥ 400 U/mg protein
Unit Definition	One unit will catalyze the hydrolysis of one micromole 2-chloro-4-nitrophenyl-a-D-maltotrioside to yield 2-chloro-4-nitrophenol per minute at 37°C.
Sequence	HTLV-1 gp46 (21-313 aa)