

## Product Datasheet

### **a-Amylase, Human Saliva 120-17**

<b>Product Name</b>	a-Amylase, Human Saliva
<b>Catalog Number</b>	120-17
<b>Alternative Names</b>	1,4-alpha-D-Glucan-glucanohydrolase, ptyalin
<b>Brand</b>	Lee Biosolutions
<b>Form/Appearance</b>	Liquid Clear, colorless liquid
<b>Concentration</b>	≥ 1.0 mg protein/mL (Coomassie)
<b>Storage</b>	-20 °C
<b>Purity</b>	≥ 90% (SDS-PAGE)
<b>CAS Number</b>	9000-90-2
<b>Source</b>	Human Saliva
<b>Molecular Weight</b>	~60,000
<b>Shelf Life</b>	1 year
<b>Biological Activity</b>	≥ 2,000 U/mL (Siemens Dimension® Clinical Chemistry System)
<b>Content</b>	Lipase: ≤ 0.05% Protease: ≤ 0.1% Calcium: ≤ 3 mg/MU
<b>Specific Activity</b>	≥ 200 U/mg protein
<b>Unit Definition</b>	One unit will catalyze the hydrolysis of one micromole 2-chloro-4-nitrophenyl- $\alpha$ -D-maltotrioxide to yield 2-chloro-4-nitrophenol per minute at 37°C.