

## Product Datasheet

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

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| <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%<br>Protease: ≤ 0.1%<br>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. |