

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

**Product Name:**

Lysostaphin from *Staphylococcus staphyolyticus* – free of DNA contaminants, suitable for Microbiome research, lyophilized powder,  $\geq 500$  units/mg protein

**Product Number:** **SAE0091**

Storage Temperature: -20 °C

**TEST****Specification**

Appearance (Form)	Powder
Appearance (Color)	White to Light Yellow
Solubility (Solvent)	Water
Solubility (Conc)	2.00 - 2.10 mg/ml
Solubility (Turbidity)	Clear to Slightly Hazy
Solubility (Color)	Colorless to Light Yellow
Protein Content	50.00 - 70.00 %
Biuret	
Specific Activity	$\geq 500.00$ U/mgP
One unit will reduce the turbidity (A620) of a suspension of <i>S. aureus</i> cells from 0.250 to 0.125 in 10 minutes at pH 7.5 at 37°C in a 6.0 mL reaction mixture	
DNA Content	None Detected
PCR reaction with 35 cycles using suitable primers for 16S and 18S	
Recommended Retest Period	-----
3 Years	

Specification: PRE.0.ZQ5.10000017996

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.