



Product Specifications

AMPICILLIN Sodium Salt

<u>Catalog #</u> IB02040	<u>Size</u> 25gm
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Physical Specifications

CAS#	69-52-3
Formula Weight	371.39
Molecular Formula	C ₁₆ H ₁₈ N ₃ NaO ₄ S
Potency	845 – 988mcg/mg
PH (1%,water)	9.0 ± 1.0
Moisture	Max. 2.0%

Molecular Biology Specifications

Antibiotic Inhibition/Sensitivity Assay Pass

Recommended Use

Ampicillin is used at the following working conditions:

		<u>Working Concentration</u>	
		Stringent	Relaxed
		<u>Plasmids</u>	<u>Plasmids</u>
Ampicillin	<u>Stock Solution</u> 50mg/mL in H ₂ O.	20µg/mL	60µg/mL

NOTE: Stock solution of antibiotics dissolved in H₂O should be sterilized by filtration through a 0.22-micron filter.

Storage

Store at +4°C. Warm to room temperature before opening. Keep tightly sealed. Store Ampicillin solution in a light-tight container at -20°C.

Warning

Federal law prohibits dispensing without prescription. Not for use in humans. Not for drug use. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. See Material Safety Data Sheet for additional information.