



Product Specifications

CARBENICILLIN Disodium Salt

<u>Catalog #</u>	<u>Size</u>
IB02010	1gm
IB02020	5gm

Physical Specifications

CAS#	4800-94-6
Molecular Weight	422.4
Molecular Formula	$C_{17}H_{16}N_2Na_2O_6S$
pH (10mg/ml in H ₂ O)	6.0 – 8.0
Appearance	White to off-white Powder
Solubility	Clear (50mg/ml in H ₂ O) Solutions are stable for 24hrs at room temperature. 72hrs at 2-8° C
Water Content (K.F.)	≤ 6%

Molecular Biology Specifications

Assay	≥ 92%
-------	-------

Recommended Use

Carbenicillin is an antibiotic which inhibits bacterial cell wall synthesis, activity against gram-positive and gram-negative bacteria, and for cell culture media applications. Recommended use is 100mg/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 Carbenicillin 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. May cause sensitization by inhalation and/or contact. See Material Safety Data Sheet for additional information.