N-Acetyl-D-glucosamine
Cell Culture Tested

Product Code: TC081

Product Description:

Molecular Weight: 221.21
Molecular Formula: C₈H₁₅NO₆
CAS Number: 7512-17-6
Synonym: 2-Acetamido-2-deoxy-D-glucose, D-GlcNAc

N-Acetyl-D-glucosamine (GLcNAc) is a monosaccharide derivative of glucose, an amide between glucosamine and acetic acid.

It is a major component of bacterial cell wall murein and the lipopolysaccharide of outer membrane. It is also found in chitin, hyaluronic acid and glycans.

Quality Control:

Appearance
White to off white powder.

Solubility
Clear colorless to faint yellow solution at 5 gm in 100ml of water.

pH of 5% solution in water
5.00 - 7.00

Specific optical rotation $[\alpha]_D^{20}$
$+39^\circ$ to $+43^\circ$

Residue on Ignition
NMT 0.1%

Loss on drying (105°C; 1 h)
NMT 0.5%

Cell Culture Test
Passes

Storage and Shelf Life:

Store at 2°-8°C away from bright light.
Shelf life is 48 months.
Use before expiry date given on the product label.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ Publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.