Sodium chloride
Cell Culture Tested

Product Code: TC046

Product Description:
Molecular Weight: 58.44
Molecular Formula: NaCl
CAS No.: 7647-14-5
Synonym: Halite

Sodium chloride is an ionic molecule in which sodium and chlorine are linked in an ionic bond. It is also known as a common salt.

In cell culture sodium chloride is used as a major component of cell culture media and reagents such as balanced salt solutions. It functions to maintain osmolality of these solutions typically in range of 250-350mOsm/Kg H₂O. Sodium chloride is also used for altering osmolality of cell culture media and reagents. Osmolality can be increased by adding 0.3gms of sodium chloride to each litre of the medium.

Quality Control:

Appearance
White crystalline powder.

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

pH of 5% solution in water
5.00 - 8.00

Bromide (Br)
NMT 0.005%

Iodide (I)
NMT 0.001%

Sulphate
NMT 0.002%

Iron (Fe)
NMT 0.0001%

Heavy metals
NMT 0.0005%

Phosphate
NMT 0.005%

Assay
NLT 99.00%

Cell Culture Test
Passes

Storage and Shelf Life:
Store at 10-30°C away from bright light.
Use before expiry date given on the product label.

Disclaimer:
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