

CHLOROFORM, 500ml**PG-7570-500ML**

MES (2-(N-Morpholino)ethanesulfonic Acid) Anhydrous is a high-purity zwitterionic biological buffer belonging to the Good's buffer family. It is widely used in molecular biology, biochemistry, cell culture, protein chemistry, and biotechnology applications. MES provides excellent buffering capacity in the acidic to near-neutral pH range and exhibits minimal interaction with metal ions, enzymes, and biological systems, making it ideal for sensitive biochemical studies.

Parameter	Specification
Product Name	MES Buffer Anhydrous
Chemical Name	2-(N-Morpholino)ethanesulfonic Acid
Molecular Formula	C ₆ H ₁₃ NO ₄ S
Molecular Weight	195.24 g/mol
Appearance	White crystalline powder
Assay	≥ 99.0%
Solubility	Freely soluble in water
pKa (25°C)	6.10
Useful pH Range	5.5 – 6.7
pH (1% Solution)	2.5 – 4.5
Loss on Drying	≤ 1.0%
Heavy Metals	≤ 10 ppm
CAS Number	4432-31-9
Storage Condition	Store at room temperature in a tightly closed container. Protect from moisture and direct sunlight.

Applications: Cell culture media preparation, Protein purification and chromatography, Enzyme activity assays, Molecular biology buffer preparation, Plant tissue culture applications, Electrophoresis and blotting procedures etc.

Safety

Harmful if inhaled, swallowed, or absorbed through skin. Suspected carcinogen. May cause liver, kidney, and central nervous system damage following prolonged or repeated exposure. Use in a well-ventilated area and wear appropriate PPE including gloves, lab coat, and safety goggles. Avoid contact with skin, eyes, and clothing. Store away from heat and incompatible materials.