

TEMED, 25 ml**PG-1670-25ML**

TEMED (N,N,N',N'-Tetramethylethylenediamine) is a highly effective catalyst used in conjunction with Ammonium Persulfate (APS) to initiate and accelerate the polymerization of acrylamide and bis-acrylamide solutions. It is an essential reagent for the preparation of polyacrylamide gels used in protein and nucleic acid electrophoresis. TEMED promotes free-radical formation, ensuring rapid, uniform, and reproducible gel polymerization.

Product Name TEMED (Tetramethylethylenediamine)

Chemical Name N,N,N',N'-Tetramethylethane-1,2-diamine

Molecular Formula C₆H₁₆N₂

Molecular Weight 116.21 g/mol

Appearance Clear, colorless liquid

Purity ≥ 99%

Boiling Point 119 – 121°C

CAS Number 110-18-9

Solubility Miscible with water and most organic solvents

Storage Condition : RT

Shelf Life 36 months when stored under recommended.

Applications / Uses: Polyacrylamide Gel Electrophoresis (PAGE), SDS-PAGE Gel Preparation, Native PAGE, DNA Sequencing Gels, Protein Electrophoresis, Molecular Biology Research, Polymerization Reactions, Biochemical Research Applications 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.