

APS (Ammonium Persulphate)

#GS20.0025 (25 g)

(FOR RESEARCH ONLY)



Product: APS (Ammonium persulphate | CAS Number 7727-54-0) is a commonly used reagent for the preparation of polyacrylamide gels for electrophoresis. In aqueous solutions APS forms oxygen free radicals, which initiate the polymerization of acrylamide and bisacrylamide to form a gel matrix. Protocols for the use of APS are widely available¹.

Applications: Protein Electrophoresis (PAGE)

Quantity: #GS20.0025 contains 25g of Ammonium persulphate

Appearance: White crystal

Storage: Fresh solutions of this product should be prepared as in solution APS at room temperature is not stable, even when protected from light or air. Prepare a working solution by dissolving APS in ultrapure water (up to 100mg/ml), yielding a clear colourless solution, prepare aliquots and store at -20°C. Solutions can be stored at 2-8°C for up to 12 hours.

Bibliography:

Sambrook J. and Russell, DW. (2001) In Molecular cloning: a laboratory manual, 3rd ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY.