

Storage

Store at RT

Contents

- Product Manual
- Ammonium Persulfate

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Description

Ammonium persulfate (APS) is a widely used reagent in biochemistry and molecular biology for the preparation of polyacrylamide gels. APS forms oxygen free radicals in aqueous solution by a base-catalyzed mechanism. The bases, most commonly used as catalysts, are tertiary amines such as TEMED (N,N,N',N'-tetramethylethylenediamine) or DMAPN (3-dimethylaminopropionitrile). The free radicals will cause the polymerization of acrylamide and bis-acrylamide to form a gel matrix, which can be used for separating macromolecules by size.

APS has also been utilized to study protein-protein interactions via photoinitiated crosslinking chemistry.

Product Specification

CAS NO	7727-54-0
Formular	$(\text{NH}_4)_2\text{S}_2\text{O}_8$
M.W	228.2
Purity	≥ 98 % , Titration by KMNO4
Solubility	100 mg/ml in water
Heavy Metal (as lead)	< 50 ppm

Related Products

Product Name	Cat No
Albumin, (IgG, Fattu Acid and Protease Free)	A0100
AffiSelect Cox IV Loading Control Antibody	A0017
AffiSelect GAPDH Loading Control Antibody, 100ug	A0039
AffiSelect Beta-Actin Loading Control Antibody, 100ug	A0042
AffiSelect a-Tubulin Loading Control Antibody, 100ug	A0050
NP-40 Lysis Buffer (2X)	N1200
Affiselect Total Protein Extraction Solution	A0710
RIPA Cell Lysis Buffer (1X) with EDTA	R4100
Xert Protease Inhibitor Cocktail Solution (100X)	P3100
Xpert Prestained Protein Marker (6.5-240 kDa)	P8502
Xpert 2 Prestained Protein Marker (10-240 kDa)	P8503
TBS Buffer, 20X, pH 7.4	T8054
West-Ez Stripping buffer	S2100
Goat anti-Rabbit IgG(H+L)-HRP, 1mg/ml	SA002
Rabbit anti-Goat IgG(H+L)-HRP, 1mg/ml	SA007
Tween 20, Molecular Biology Grade	T9100
West-Q Pico Dura ECL Solution	W3653
West-Q Femto ECL Solution	W3700
West-Ez Blocker, 5% Non-Fat Kit	W3710