

AMRESCO Product Offering

Product Line: Acrylamide and bis-Acrylamide
Ultra Pure Powders and Premixes

Product Codes: 0341 0729
0172 0673
0907



Benefits and Features:

Quality. AMRESCO's Acrylamide and bis-Acrylamide powders provide consistent and highly producible gels that permit excellent DNA, RNA and Protein band migration control. The extremely low levels of contaminating acrylic acid and trace metals reduce unwanted side reactions and help maintain a controlled ionic strength, when used with AMRESCO gel and running buffers. AMRESCO Powder Premixes are prepared from Ultra Pure Grade components. The high solubility and clarity of each powder allows preparation of concentrated stock solutions that can be diluted at the point of use. This helps maximize refrigeration space.

Consistency. AMRESCO Acrylamide, bis-Acrylamide and Powder Premixes are carefully prepared and rigorously tested. We have optimized both analytical and performance parameters that are confirmed with each lot manufactured. Additionally, these powder blends are verified to be free of nuclease and protease contamination. These requirements combine to ensure highly reproducible gels with excellent band mobility and resolution.

Long Shelf-life. The Acrylamide and bis-Acrylamide powders and premixes are room temperature stable. This entire product line is guaranteed stable for at least two years when properly stored in their powder form. After solubilizing, the solutions should be kept under refrigerated conditions and are stable for at least one year.

The AMRESCO Acrylamide Powder offering:

Product	Code	Concentration upon dilution (w/v)
Acrylamide	0341	See reverse for specifications
Bis-Acrylamide	0172	See reverse for specifications

Standard ratios in a 40% concentrate:

Manufactured with codes 0341 and 0172

Acryl/Bis TM 19:1 Premix	0729	38.0% Acrylamide/2.0% bis-Acryl
Acryl/Bis TM 29:1 Premix	0673	38.67% Acrylamide/1.33 bis-Acryl
Acryl/Bis TM 37.5:1 Premix	0907	38.96% Acrylamide/1.04% bis-Acryl
(Or 30:0.8 Premix)		

Please see reverse for more ordering and technical information



Acrylamide (0341-Ultra Pure):

Purity	>99.9%
Melting Range	84-86°C
pH (10% w/v, 0.1M NaCl)	5.5-6.5
Conductivity (40% solution)	<5 µmhos
Free Acrylic acid	<10 ppm
Iron	<1 ppm
Lead	<1 ppm
RNase, DNase	None Detected
Protease	None Detected

bis-Acrylamide (0172 Ultra Pure):

Purity	>99.0%
A290 (1%, H2O)	<0.2
Conductivity	<5 µmhos
Acrylic acid	<10 ppm
RNase, DNase	None Detected
Protease	None Detected

Preparation of Stock Solution using pre-mixes:

To prepare a 40% (w/v) solution, reconstitute an ACRYL/BIS™ powder with distilled, deionized water. The 40 g size yields 100 ml of 40% liquid, while the 200 g size yields 500 ml. This is done by slowly adding the entire contents of the bottle to the volume or weight of water listed below.

Code	40g size—total volume 100 mL	200g size—total volume 500 mL	Recommended Application
0729	Add 62.6 g or mL of water	Add 313 g or mL of water	DNA Sequencing; Nucleic Acid Separations
0673	Add 62.7 g or mL of water	Add 313.5 g or mL of water	Nucleic Acid and Protein Separations
0907	Add 62.7 g or mL of water	Add 313.5 g or mL of water	Protein Separations

AMRESCO also offers 30 and 40% stock solutions, already prepared for diluting. Please inquire for more information from Technical Services or Technical Sales Staffs, or contact us at our Website: www.amresco-inc.com.

AMRESCO has a complete line of products for you electrophoresis and sequencing needs.

Please inquire about the following related products:

All-Gone™ Glass Plate Kit	K533	Page Plus™	E562
Urea	0568	PAGE Premixes of various acryl/bis contents with urea and TBE/TTE; Ready-to-use	
Ammonium Persulfate	0486	EZ-Squeeze™ Gene-PAGE and Gene-PAGE	
TEMED	0761	Plus Premixes; No TEMED/APS!	

We also offer a full line of gel and running buffers, loading dyes, markers, stains, and destaining products