

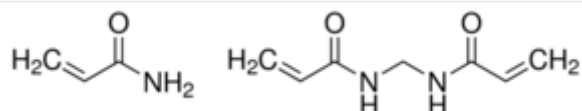
Specification Sheet

A2917 Sigma-Aldrich

Acrylamide/Bis-acrylamide

BioReagent, for molecular biology, 19:1 (ratio)

- MDL number [MFCD00080848](#)
- PubChem Substance ID [329770804](#)
- NACRES NA.25



SKU-Pack Size	Availability	Pack Size	Price (SGD)	Quantity
A2917-100ML	Estimated to ship on 28.04.2021 - FROM	100 mL	60.83	<input type="text" value="0"/>
A2917-5X100ML	Available to ship on 14.04.2021 - FROM	5 x 100 mL	177.04	<input type="text" value="0"/>
A2917-1L	Estimated to ship on 28.04.2021 - FROM	1 L	262.38	<input type="text" value="0"/>

Properties

Related Categories

[Acrylamide](#), [Acrylamides](#), [Core Bioreagents](#), [Life Science Reagents for Protein Electrophoresis](#), [Molecular Biology](#),**More...**

grade

for molecular biology

product line

BioReagent

feed ratio

19:1 (ratio)

foreign activity

DNase (exonuclease), NICKase (endonuclease), RNase, and protease, none detected

storage temp.	room temp
SMILES string	<chem>NC(=O)C=C.C=CC(=O)NCNC(=O)C=C</chem>
InChI	1S/C7H10N2O2.C3H5NO/c1-3-6(10)8-5-9-7(11)4-2;1-2-3(4)5/h3-4H,1-2,5H2,(H,8,10)(H,9,11);2H,1H2,(H2,4,5)
InChI key	OCQZXMCGTAWGEQ-UHFFFAOYSA-N

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Description

General description

Polyacrylamide gels are prepared using acrylamide and bis-acrylamide, where bis-acrylamide is a cross-linking agent.^[3] On the other hand, acrylamide is a water soluble monomer which helps in forming a transparent stable insoluble gel.^[4]

Application

Acrylamide/Bis-acrylamide has been used:

- in the preparation of urea polyacrylamide gel during a modified cross-linking affinity purification protocol (cCLAP)^[1]
- in microsatellite genotyping and nonfluorescent elastin (ELN) (GT)_n polymorphism genotyping^[2]
- in polyacrylamide gel for separation of proteins in SDS-PAGE for western blotting^[5]

Ready to reconstitute dry powder blends are accurately pre-blended to produce a 40% (w/v) stock solution for use in protein and nucleic acid electrophoresis. The concentration is based on the total weight of both the acrylamide and bis-acrylamide.

Packaging

1 L in poly bottle

100 mL in poly bottle

Features and Benefits

Eliminates the need to weigh toxic acrylamide and bis-acrylamide.

Reconstitution

Reconstitute by slowly adding the indicated amount of distilled water to the container and dissolve contents.

To make up 100 ml of A2917, slowly add 63 ml distilled or deionized water to the container and dissolve contents. Do not divide the solid. This makes 100 ml of a 40% stock solution.

For the 1 Liter size, use 630 mL of water.

