



Product Specifications

ACRYLAMIDE:BISACRYLAMIDE 37.5:1

<u>Catalog #</u>	<u>Size</u>
IB70018	40gm
IB70019	200gm

Physical Specifications

Acrylamide Component

CAS#	79-06-1
Formula Weight	71.08
Molecular Formula	C ₃ H ₅ NO
Purity	Min. 99.9%
Melting Point	85 ± 1°C
pH (10%, 0.1 M NaCL)	6.0 ± 0.5
Acrylic Acid	Max. 0.001%
Conductivity	Max. 5 µmho
Iron	Max. 0.0001%
Lead	Max. 0.0001%

Bisacrylamide Component

CAS#	110-26-9
Formula Weight	154.17
Molecular Formula	C ₇ H ₁₀ O ₂ N ₂
Purity	Min. 99.0%
Conductivity	Max. 10 µmho
Acrylic Acid	Max. 0.001%
A ₂₉₀ (2%, water)	Max.0.4

Molecular Biology Specifications

Dnase assay	None Detected
Rnase assay	None Detected
Protease assay	None Detected
Polymerization assay	Pass
Gel analysis	Pass

Recommended Use

A primary component of polyacrylamide gels. Prepare Acrylamide:BisAcrylamide solutions in a fume hood.

To make a 30% solution*:

For the 40gm size, transfer powder to a 250ml graduated cylinder, add water to a final volume to 133ml.

For the 200gm size, transfer powder to a 1000ml graduated cylinder, add water to a final volume to 667ml.

To make a 40% solution*:

For the 40gm size, transfer powder to a 250ml graduated cylinder, add water to a final volume to 100ml.

For the 200gm size, transfer powder to a 500ml graduated cylinder, add water to a final volume to 500ml.

*NOTE: The specific gravity of the Acrylamide:BisAcrylamide powder can vary from lot to lot, thus altering the proper amount of water required to prepare the final Acrylamide:BisAcrylamide Solution.

Storage

Store at room temperature. Keep tightly sealed. Protect from moisture.

Warning

Poison/Neurotoxin/Lachrymator. Suspected carcinogen. May be harmful or fatal if swallowed. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

11/7/2011