

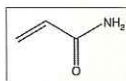
**Electrophoresis Products - Reagents**

# Ultra-Pure Reagents

For those cases where our wide array of pre-mixed Electrophoresis solutions do not provide the exact matrix or buffer required, National Diagnostics powdered reagents allow you to formulate your gels with confidence in the purity and reliability of key ingredients. National Diagnostics reagents are manufactured to the most stringently controlled specifications.



## Acrylamide - ULTRA PURE

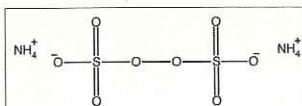


National Diagnostics' Acrylamide has been specially purified to produce consistent gel matrices for the most demanding requirements. Reproducible polymerization makes consistent electrophoretic behavior easy to attain.

Molecular Weight .....71.08 Purity .....> 99.9%  
pH.....6.5 Aldehyde Content.....< 0.001%  
Acrylic Acid .....< 0.001% Conductivity (50% solution)..... 20 µmho  
(conductometric titration of total acrylate)

Acrylamide	EC-201	100 g
		500 g
		1 kg

## Ammonium Persulfate - ULTRA PURE

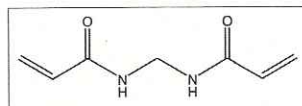


Exceeds ACS Standards. Low absorbed water results in consistent initiation.

Molecular Weight.....228.2 Purity .....> 98%

Ammonium Persulfate	EC-504	25 g
		100 g

## BIS - ULTRA PURE (N,N' - methylene bisacrylamide)

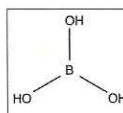


Specially purified crosslinking agent for general electrophoretic use.

OD<sub>280</sub> (1% solution).....< 0.2 Purity.....> 99.9%  
Acrylic Acid.....< 0.001% Conductivity (2% solution).....100 µmho

BIS	EC-301	25 g
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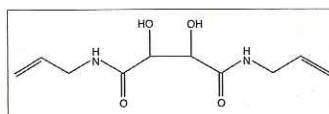
## Boric Acid - ULTRA PURE



Molecular Weight.....61.83 pH (1% solution).....5.1 ± 0.5  
Color.....≤ 10 APHA Cl.....≤ 0.4 ppm  
SO<sub>4</sub>.....≤ 4 ppm Fe.....≤ 2 ppm

Boric Acid	EC-609	500 g
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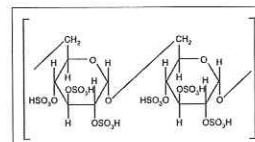
## DATD - ULTRA PURE (N,N' - diallyltartardiamide)



Crosslinker with a 1,2-diol structure that may be oxidized by periodic acid.

DATD	EC-303	25 g
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## Dextran Sulfate ULTRA PURE

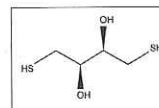


Aids in formation of networks (high localized concentrations of probes) during hybridization, thus expediting the annealing process.

Molecular Weight.....500,000 Purity.....≥ 99%

Dextran Sulfate	EC-877	50 g
		250 g

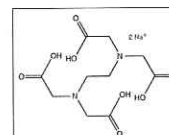
## Dithiothreitol (DTT) ULTRA PURE



Specially purified of trace metals and other impurities.

Dithiothreitol (DTT)	EC-601	1 g
		5 g

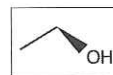
## EDTA - ULTRA PURE Disodium ethylenediamine- tetraacetate dihydrate



Molecular Weight.....372.26 Purity.....≥ 99%  
Fe.....≤ 0.01% Insolubles.....≤ 0.005%  
Color.....≤ 10 APHA(0.5M Solution) pH(5% solution).....≤ 4.0-6.0  
Heavy Metals.....≤ 10 ppm

EDTA	EC-610	100 g
		500 g

## Reagent Ethanol - ULTRA PURE



Molecular biology grade, denatured ethanol (5% Methanol)

Reagent Ethanol	HS-300	1 Liter
		4 Liter
		20 Liter