



# Product Specifications

## AGAROSE 3:1 Super Sieve

<u>Catalog #</u>	<u>Size</u>
IB70052	25gm
IB70053	250gm

### Physical Specifications

CAS#	9012-36-6
Melting Temperature (@ 4%)	93°C
Gel Strength (@ 4%):	>4200 g/cm <sup>2</sup>
Gel Strength (@ 15%):	>2000 g/cm <sup>2</sup>
Gelling Point (@ 4%):	≤40.5°C
EEO (-mr):	<0.12
Sulfate:	<0.11%
Ash	<0.35%
Moisture	<7%
Clarity (NTU) @1.5%	≤5

### Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected
Protease assay	None Detected
Gel analysis assay	Pass
DNA Extraction assay	Pass

### Recommended Use

Super Sieve Agarose is designed for analytical electrophoresis where high resolution is needed.

DNA 100-1500bp and PCR products <1000bp can be resolved. Super sieve Agarose has low viscosity, so high concentration gels can be made with high resolving capacity. The high gel strength, low concentration 1.0-1.5% can also be made.

### Storage

Store at room temperature. Protected from moisture.

Agarose gels may be stored wrapped in plastic or submerged in 1X running buffer at +4°C until needed.

### Warning

Avoid contact with eyes, skin, and clothes. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.