



PRODUCT INFORMATION

SuperSieve™ 3:1 Agarose

Cat# N01PD-100 (Former Cat# N001-1002)

SuperPure™ Agarose LE is analytical grade super pure agarose, specifically prepared for DNA/RNA electrophoretic separation and blotting in molecular biology research.

SuperSieve™ 3:1 Agarose is molecular biology grade agarose and a standard melting temperature agarose. It yields strong gels for fine resolution of the DNA, RNA, and PCR products which smaller than 1kb. SuperSieve 3:1 agarose is RNase and DNase free and is capable of finely resolving the DNA fragments ranging from 10bp up to 1,200bp on gel. The DNA bands appear sharp on gel and finely resolved. It is easy to handle.

Analytical Specifications

Gelling temp. (4%):	32.5°C-38.0°C
Melting temp. (4%):	≤90°C
Moisture:	<10%
Sulfate:	<0.15%
EEO (-mr):	<0.13
Gel strength (4%):	≥1,400 g/cm ²

Quality and Performance Tests

DNase and RNase activity: None detected.

Application

For analysis DNA fragments <1,000 bp after electrophoresis and fro recovery of small DNA fragments for further applications.

Suggested Agarose Concentrations

Size Range (Base Pairs)	Final Agarose Concentration (%)	
	1X TAE Buffer	1X TBE Buffer
500-1,000	3.0	2.0
100-500	4.0	3.0
10-100	6.0	5.0

Gel background

Gel exhibits low background fluorescence after ethidium bromide staining.

DNA binding

None detected.