

SupePure™ AGAROSE LE



Cat# 1002-1001
Cat# G002-1001

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

Features:

- Extraordinary mechanical resistance for more reliable and easier handling;
- Possibility of varying pore size in accordance with particle size by modifying the gel concentration;
- Easy preparation of the gel by simple dilution in aqueous buffers either by standard boiling or microwaving
- Greater thermal stability due to high hysteresis (difference between gelling and melting temperatures
- Excellent transparency of the gel and high visibility;
- Exceptionally low absorption of staining agents;
- Absence of toxicity (polyacrylamide is neurotoxic)

Applications:

- With low EEO;
- Nucleic acid analytical and preparative electrophoresis;
- Blotting;
- Protein electrophoresis such as radial immunodiffusion

Specifications:

Moisture	≤7%
Ash	≤4%
EEO	0.05-0.13
Sulfate	≤0.1%
Clarity 1.5 % (NTU)	≤3
Gel Strength 1% (g/cm ²)	≥1200
Gel Strength 1.5%	≥2500
Gelling Temperature 1.5% (°C)	36±1.5
Melting Temperature 1.5 % (°C)	88 ± 1.5
DNase/ RNase activity	None detected
DNA resolution ≥1000bp	Finely resolved
Gel background	Very low

* EEO (electroendosmosis)