



PRODUCT INFORMATION

SuperPure™ Agarose LE

Cat# G01PD-500 (Former Cat# G1002-1001)

Cat# G02PD-125 (Former Cat# G002-1001)

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

Feature:

- 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 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)