

## Agarose LE- Molecular Biology Grade

### For superior separation of nucleic acids

#### Ordering Information

[Catalog # A-201](#)

#### Description

Agarose LE (Low Electroendosmosis) is the highest quality molecular biology grade Agarose suitable for analytical and preparative electrophoresis of nucleic acids. Nucleic acid separation with Agarose LE is between 50 bp – 25 kb depending on the concentration of Agarose LE.

#### Applications

- Nucleic acid analytical and preparative electrophoresis
- High electrophoresis mobility
- Blotting assays
- Protein electrophoresis such as radial immunodiffusion

#### Features

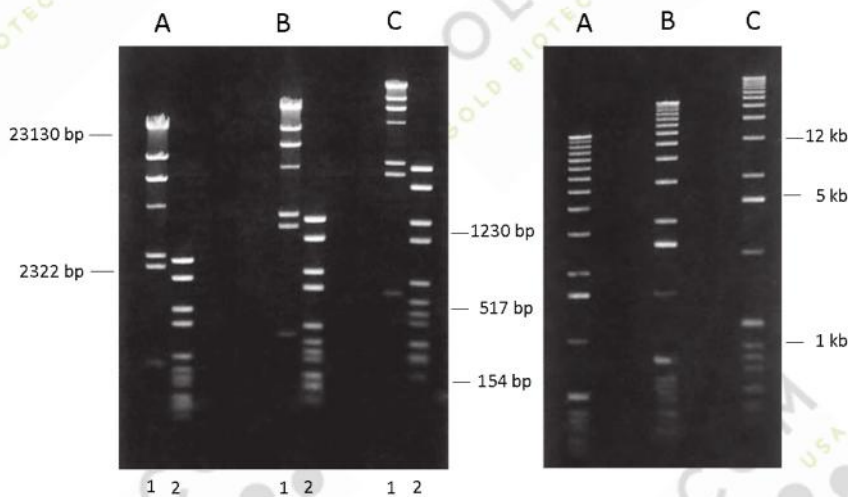
- Extraordinary mechanical resistance for more reliable and easier handling
- Excellent transparency of the gel and high visibility
- Exceptionally low absorption of staining agents
- Possibility of varying pore size in accordance with particle size by modifying the gel concentration
- Absence of toxicity (polyacrylamide is neurotoxic)
- 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)

#### Storage

Store in a dry place between 15-25°C.

#### Technical Specifications

EEO (Electroendosmosis)	≤0.12
Sulfate	≤0.1%
Gel Strength (1%)	≥1200 g/cm <sup>2</sup>
Gelling Temperature	36±1.5°C
Melting Temperature	88±1.5°C
DNase/RNase Activity	None Detected
DNA Resolution ≥1000 bp	Finely Resolved
Gel Background	Very Low
DNA Binding	Very Low



Agarose LE gels in 1X TAE buffer A-0.75%, B-1%, C-1.25%. Markers: lane 1 - Lambda DNA. HindIII; lane 2 - pBR328DNA. BglI+pBR328DNA. Hinfl.

Electrophoresis conditions: submarine gel, 2 hours, 4.5 V/cm in 1X TAE buffer.

Agarose LE gels in 1X TAE buffer A-0.75%, B-1%, C-1.25%. Marker: 1 Kb Ladder.

Electrophoresis conditions: submarine gel, 2 hours, 4.5 V/cm in 1X TAE buffer.

### Gold Biotechnology

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