

Agarose LE



Molecular Biology Grade for superior separation of nucleic acids

Description:

Agarose LE (Low Electroendosmosis) is the highest quality molecular biology grade Agarose suitable for analytical and pre-parative electrophoresis of nucleic acids. Nucleic acid separation with ABT Agarose LE is between 0.2 – 23kbp depending on the concentration of ABT Agarose LE.

Applications:

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

Features:

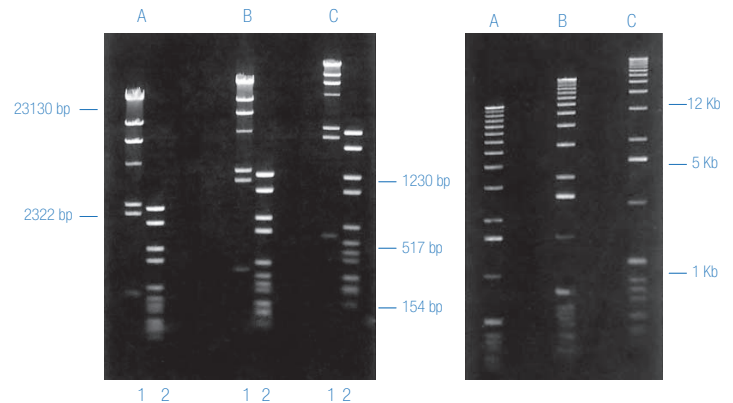
- Extraordinary mechanical resistance for more reliable and easier handling
- Excellent transparency of the gel and high visibility
- Exceptionally low absorption of staining agents
- Absence of toxicity (polyacrylamide is neurotoxic)
- Possibility of varying pore size in accordance with particle size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

Storage:

Store in a dry place at 15-25°C

Ordering information:

| Cat # | Product | Qty. |
|------------|------------|-------|
| A-1270-100 | AGAROSE LE | 100 g |
| A-1270-500 | AGAROSE LE | 500 g |



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. HinfI.

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

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Marker: 1 Kb Ladder.

Electrophoresis conditions:
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TECHNICAL SPECIFICATIONS

| | |
|---------------------------------------|-------------------------------------|
| EEO (Electroendosmosis) | ≤ 0.12 |
| SULFATE | $\leq 0.1\%$ |
| GEL STRENGTH 1% | $\geq 1200 \text{ g/cm}^2$ |
| GELLING TEMPERATURE | $36 \pm 1.5 \text{ }^\circ\text{C}$ |
| MELTING TEMPERATURE | $88 \pm 1.5 \text{ }^\circ\text{C}$ |
| DNase/ RNase ACTIVITY | None detected |
| DNA RESOLUTION $\geq 1000 \text{ bp}$ | Finely resolved |
| GEL BACKGROUND | Very low |
| DNA BINDING | Very low |