ABT Agarose LE

Molecular Biology Grade

for superior separation of nucleic acids

Description:

ABT 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 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:

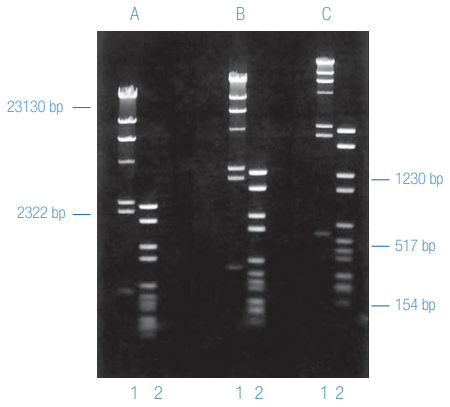
- Extraordinary mechanical resistance for more reliable and easier handling
- Excellent transparency of the gel and high visibility
- Exceptionally low absorption of staining agents
- Absence of toxicity (polyacrylamide is neurotoxic)
- Possibility of varying pore size in accordance with particle size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

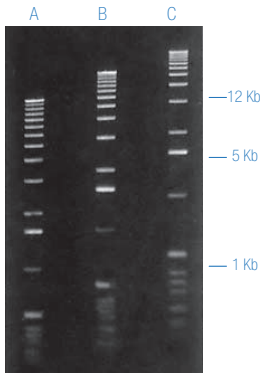
Ordering information:

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



ABT 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.



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

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

TECHNICAL SPECIFICATIONS

EEO (Electroendosmosis)	≤ 0.12
SULFATE	≤ 0.1%
GEL STRENGTH 1%	≥ 1200 g/cm^2
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 BEAD TECHNOLOGIES

5008 West Linebaugh Ave. Suite 44 · Tampa, FL 33624, USA · Phone 813 908 2589 · Fax 813 908 3190
C/ La Forja, 9 · 28850 · Torrejón de Ardoz · Madrid · SPAIN · Phone. +34 91 761 02 30/32 · Fax +34 91 675 74 44
info@abtbeads.com
www.abtbeads.com