

AS-101 D-1 AGAROSE LE

Size: 500 gr.

Agarose D1-LE Agarose is a low EEO, multi-purpose, standard melting point agarose that yields high resolution sharp DNA bands with high clarity and low background. Its optimized gel strength enhances ease of gel processing and handling.

Applications:

D-1 LE: DNA Routine Analysis: 250 bp – 23 kb. High electrophoresis mobility.

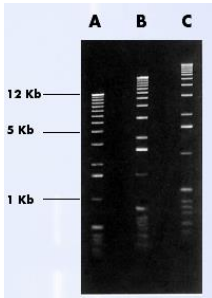
- Nucleic acid analytical and preparative electrophoresis.
- Blotting.

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).

Specifications:

AGAROSE D1-LE	D-1 LE
Lot. N°	
Moisture	4.53%
Ash	0,43%
EEO*	0,12
Sulfate	≤ 0,15%
Clarity 1.5% (NTU)	3,33
pH in Solution	7,05
pH in gel	7,09
Colorimetry (absorbance) nm 450	0,041
Gel Strength 1%(g/cm²)	≥1.200
Gel Strength 1.5% (g/cm²)	≥2.855
Gelling Temperature 1.5% (°C)	36,3
Melting Temperature 1.5% (°C)	89,1
DNase/Rnase activity	None detected
DNA resolution ≥ 1000 bp	Finely Resolved
Gel Background	Very low



Applications:

- D-1 LE: with Low EEO. High electrophoresis mobility.
- Nucleic acid analytical and preparative electrophoresis.
 - Blotting.
 - **Protein electrophoresis such as radial immunodiffusion.**

D1-LE Agarose gels in 1X TAE buffer A-0.75%, B-1%, C-1.25% Marker: 1 kb ladder. Electrophoresis conditions: submarine gel, 2 hours 30 min, 4.5 V/cm in 1X TAE buffer.