

Agarose E

Agarose E is ideal for routine rapid separations of DNA and RNA fragments as well as PCR products, the preparation of plasmids, and for screening, cloning and blotting techniques.

- ✓ *Easy dissolution and rapid gelling*
- ✓ *Excellent transparency and low background staining gives clear band visibility*
- ✓ *Sharp and well defined bands*
- ✓ *Very low DNA binding*

Agarose E has high gel strength even at low concentrations, so use rates are 0.75 - 2%. It is effective in blotting and in separations of nucleic acid fractions from 250 bp to 23 Kb.



Lane 1 : 1 kb ladder
Lane 2: 250 bp ladder
Lane 3: 100 bp ladder

Electrophoresis conditions :
1% gel in TAE1X buffer
4.5 V/cm, 90 min

Technical Specifications

Ash Content	≤ 0.45%
Sulfate	≤ 0.1%
Clarity 1.5 % (NTU)	≤ 4 NTU
Gel Strength 1% [g/cm ²]	≥ 1000
Gel Strength 1.5 % [g/cm ²]	≥ 2200
Gelling Temperature 1.5 % [°C]	36 ± 1.5
Melting Temperature 1.5 % [°C]	88 ± 1.5
DNase/ RNase activity	None detected
Applications	High electrophoresis mobility Nucleic acid analytical and preparative electrophoresis Blotting assays Protein electrophoresis such as radial immunodiffusion