

Agarose D1 Medium EEO

Cat. 8019

Agaroses

Practical information

Industry: Molecular biology / PCR and Electrophoresis / Cloning / Proteomics / NGS

Principles and uses

Agarose D1 Medium EEO is used in nucleic acid analytical and preparative electrophoresis and protein electrophoresis.

Some important characteristics are:

- 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).

Physical-chemical characteristics

| Description | Specification |
|--|---------------|
| Ash | $\leq 0,5\%$ |
| Sulfate | $\leq 0,14\%$ |
| Clarity 1,5 % (NTU) | ≤ 4 |
| Gel strength 1% (g/cm ²) | ≥ 1000 |
| Gel strength 1,5% (g/cm ²) | ≥ 2200 |
| Gelling temperature 1,5 % (°C) | $36 \pm 1,5$ |
| Melting temperature 1,5% (°C) | $88 \pm 1,5$ |

Storage

Temp. Min.: 2 °C
Temp. Max.: 25 °C