

# Agarose D1 High EEO

Agaroses

## Practical information

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

## Principles and uses

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Agarose D1 High EEO is used in techniques such as serum protein, immunoelectrophoresis and counterimmunoelectrophoresis.

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

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Description	Value
Ash	<1%
Sulfate	<0,2%
Clarity 1,5 % (NTU)	<4
Gel strength 1% (g/cm <sup>2</sup> )	>750
Gel strength 1,5% (g/cm <sup>2</sup> )	>1200
Gelling temperature 1,5 % (°C)	36 ± 1,5
Temperature melting 1,5% (°C)	88 ± 1,5
DNase/RNase activity	None detected
EEO	0,23-0,26
Moisture	< 10 %

## Storage

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Temp. Min.:2 °C  
Temp. Max.:25 °C