

## Agarose MS-8

Molecular Screening - DNA Resolution < 1000 b.p.

### Practical information

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

### Principles and uses

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An agarose for molecular screening that improves the resolution of small DNA fragments and PCR products. CONDA has produced Agarose MS-8 for applications that require an efficient separation of small DNA fragments and PCR products.

Some important features are:

- High resolution of short PCR and DNA fragments.
  - Improved clarity of the gel, enhancing visibility.
  - Better handling than competitive products because of a stronger gel structure and higher gel strength.
- The chances of gels breaking or cracking when handled are greatly minimized, even with lower concentrations of agarose.
- High gel strength allows use in blotting.

### Physical-chemical characteristics

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Description	Specification
Ash	<0,35%
Sulfate	<0,11%
Clarity 1,5 % (NTU)	< 5
Gel strength 1,5% (g/cm <sup>2</sup> )	>600
DNase/RNase activity	Non detected
EEO	<0,12
DNA resolution = 1000 bp	Finely resolved
Moisture	< 7%
Color	White
Appearance	Fine, homogeneous powder
Gel strength 3% (g/cm <sup>2</sup> )	>1500
Gelling temperature 3% (°C)	<35,5
Temperature melting 3% (°C)	<80

### Storage

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Temp. Min.:2 °C  
Temp. Max.:25 °C