

Agarose MS-4

Molecular Screening - DNA Resolución < 500 pb

Practical information

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

Principles and uses

Agarose MS-4 is a molecular screening agarose for improved resolution of DNA fragments with 500 bp or less, especially primer-sized fragments.

At 3 % concentration, Agarose MS-4 gives a resolution of DNA fragments similar to gels made with polyacrylamide at concentrations of 8 %. While MS-4 may be dissolved carefully by microwaving, gels are best prepared by autoclaving.

Some important features are::

- Excellent resolution of DNA fragments lower than 500 bp, especially smaller primer-sized fragments.
- Forms a very clear, transparent gel, even at concentrations of 5% or higher.
- Efficient mechanical handling at all concentrations. The chances of gels breaking or cracking when handled are greatly minimized.

Physical-chemical characteristics

Description	Specification
Ash	<=0,3%
Sulfate	<=0,11
EEO	<=0,12
Moisture	<= 10%
Clarity 3% (NTU)	<=6
Gel strength 3% (g/cm2)	>=500
Gel strength 5% (g/cm2)	>=1000
Gelling temperature 3% (°C)	<=31
Temperature melting 3% (°C)	<=76

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C