

Agarose MS-12

Molecular Screening - DNA Resolution < 1500 bp

Practical information

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

Principles and uses

This molecular screening agarose is designed to have a larger gel network than MS-8 and is recommended for the separation of DNA fragments smaller than 1500 bp.

Gels made with MS-12 have higher gel strength than competitive products. The gel is exceptionally firm but still flexible when handled, minimizing the danger of cracking or breaking.

MS-12 has the same melting and gelling temperature as regular agaroses, allowing faster and easier preparation of gels. MS-12 also gives excellent resolution at concentrations of =1 %.

This agarose is recommended for all analytical applications, especially when DNA is recovered for subsequent use in enzymatic procedures.

Physical-chemical characteristics

Description	Specification
Ash	<0,35%
Sulfate	<0,11%
Clarity 1,5 % (NTU)	< 5
Gel strength 1,5% (g/cm ²)	>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 4% (g/cm ²)	>4200
Gelling temperature 4% (°C)	<40,5
Melting temperature 4% (°C)	<93

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C