

Agarose E

Cat. 8100

Ideal agarose for the routine separation of DNA and RNA fragments.

Practical information

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

Principles and uses

Agarose E is an agarose ideal for routine rapid separation of DNA and RNA fragments as well as PCR products, the preparation of plasmids, and for screening, cloning and blotting techniques.

Agarose E has high gel strength even at low concentrations, so use rates are 0.75 - 2%. It is effective in blotting and in separations of nucleic acid fractions from 250 bp to 23 Kb.

Some important features are:

- Easy dissolution and rapid gelling.
- Excellent transparency and low background staining gives clear band visibility.
- Sharp and well defined bands.
- Very low DNA binding.

Physical-chemical characteristics

Description	Specification
Ash	<= 0,45%
Clarity 1,5 % (NTU)	<= 4
Gel strength 1% (g/cm ²)	>=1000 g/cm ²
Gel strength 1,5% (g/cm ²)	>= 2000 g/cm ²
Gelling temperature 1,5 % (°C)	36±1,5 °C
Melting temperature 1,5% (°C)	88±1,5 °C
DNase/RNase activity	None detected
Color	White
Appearance	Fine, homogeneous powder
Sulphate	<= 0,15%

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C