

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
Gel strength 1,5% (g/cm ²)	>= 2000
Gelling temperature 1,5 % (°C)	36±1,5 °C
Melting temperature 1,5% (°C)	88±1,5 °C
DNase/RNase activity	None detected
Moisture	<= 10%
Color	White
Appearance	Fine, homogeneous powder
DNA binding	Very low
Comparative assay of different size DNA fragments	Sharp and well defined bands
Background fluorescence assay in ethidium bromide	Low background staining
Sulphate	<= 0,15%

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C