

## Agarose FP DNA

Cat. 8090

Specific agarose for forensic analysis, paternity tests, verification of cell lines and DNA identity.

### Practical information

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

### Principles and uses

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Agarose FP DNA is a powerful tool in laboratories performing forensic testing, paternity determination, cell line verification, tissue typing, etc. Agarose FP DNA meets all requirements for DNA identity applications.

Some important features are:

- Low EEO.
- High gel strength, forming easy-to-handle gels.
- No DNA binding.
- No DNase and RNase activity.
- Clear and sharp bands.
- High-efficiency transfer for DNA (blotting).
- No smearing.
- No gel background.
- No variability in agarose quality and performance between batches.

### Physical-chemical characteristics

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Description	Specification
Ash	$\leq 0,4\%$
Gel strength 1% (g/cm <sup>2</sup> )	$\geq 1400$
Gelling temperature 1,5 % (°C)	$36\pm 1,5$ °C
Melting temperature 1,5% (°C)	$88\pm 1,5$ °C
DNase/RNase activity	None detected
EEO	$\leq 0,13$
Moisture	$\leq 10\%$
Color	White
Appearance	Fine, homogeneous powder
DNA binding	None detected
Comparative assay of different size DNA fragments	Clear and sharp bands produced when a 23 Kb DNA size Standard is electrophoresed transferred and probed
Background fluorescence assay in ethidium bromide	None detected
Digestion with agarase enzyme and DNA recovery	Passes test
Sulphate	$\leq 0,14\%$

### Storage

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Temp. Min.: 2 °C  
Temp. Max.: 25 °C