

# Agarose NovaGel GQT

Cat. 8093

High resolution agarose

## Practical information

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

## Principles and uses

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Agarose NovaGel is a new low gelling/melting temperature Agarose GQT grade certified. This agarose, with high resolution capacity, finely resolves nucleic acid fragments from 50 bp to 1000 bp, especially PCR products.

Due to its low gelling/melting temperatures, NovaGel GQT is compatible with In-gel applications (enzymatic processing of nucleic acids directly in remelted agarose) thus, it is not necessary to recover DNA from agarose gels.

The low viscosity of Agarose NovaGel GQT makes it possible for gels of high concentrations, even 6%, to be prepared easily. At lower concentration (< 2%) gels are fragile and difficult to handle, so special care must be taken when working. The best concentration range for easy handling is 3-6%.

Agarose NovaGel is used in:

- Analytical and preparative gel electrophoresis of small DNA fragments.
- In-Gel applications.
- Analysis and recovery of small DNA fragments for further applications.

## Physical-chemical characteristics

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Description	Specification
Ash	<0,45%
Sulfate	<0,12%
DNase/RNase activity	Non detected
EEO	<0,13
DNA resolution = 1000 bp	Finely resolved
Moisture	<7%
Gel background	Very low
Color	White
Appearance	Fine, homogeneous powder
Gel strength 4% (g/cm <sup>2</sup> )	>800
Gelling temperature 4% (°C)	<35
Melting temperature 4% (°C)	<65
Clarity 4% (NTU)	<6

## Storage

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Temp. Min.:2 °C  
Temp. Max.:25 °C