## **Technical Data Sheet**

## **Agarose Low Melt**

for molecular biology Order number: 2276

Agarose Low Melt is a low melting temperature agarose with high resolving capacity for large DNA fragments  $\geq$  1000 bp. The low melting temperature enables the recovery of undamaged nucleic acids below denaturation temperature. Low gelling temperature ensures that enzymatic applications like digestion, ligation, PCR can be performed "in-Gel" (in remelted agarose), avoiding difficult DNA extraction steps. Agarose Low Melt is ideal for digestion by agarose enzymes, simplifying the recovery of large DNA fragments suitable for cloning or enzymatic processing. Agarose low melting offers a very low gel background (low adsorption of EtBr) and very low DNA binding. It is also suitable for applications in cell and tissue culture.

## **Technical data**

EEO (Electroendosmosis)	≤ 0.12
Gel strength (1.5 %)	≥ 500 g/cm <sup>2</sup>
Gelling temperature	24 - 28°C
Melting temperature	≤ 65.5 °C
Sulfate	≤ 0.12 %
DNIases/PNIases/Proteases not detected	

DNases/RNases/Proteases not detected

Store at ambient temperature and keep product dry.

## **Related products**

1127 Agarose low EEO for biochemistry 2172 Agarose High Resolution for molecular biology 1531 DNA Marker 1 kb (lyophilized) for molecular biology 1530 DNA Marker 100 bp (lyophilized) for molecular biology 1133 dsDNA-Stain nontoX for molecular biology 1254 Ethidium bromide - Solution 0.07 % dropping bottle for electrophoresis 1280 Glycerol anhydrous for molecular biology 1255 TAE buffer (50X) for electrophoresis TBE buffer (10X) for electrophoresis 1303

- 12 kb - 12 kb - 5 kb - 5 kb 1 kb-- 1 kb

В

А

С

Nucleic acid separation with Agarose low EEO in TAE buffer. A: 0.75% Agarose low melting B: 1 % Agarose low melting C: 1.25 % Agarose low melting

Electrophoresis conditions: 2:30 h, 4.5 V/cm in TAE buffer.

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