

RealPure™ Agarose (Low EEO)

Molecular Biology Grade

Store at
15-25°C**Cat. No. RPA100**

RealPure™ Agarose (Low EEO): 100 g

Cat. No. RPA500

RealPure™ Agarose (Low EEO): 500 g

Description

RealPure™ Agarose (Low EEO) is a highly purified agarose with very low EEO values. It provides the sharpest resolution of fragments ranging from 50 bp to 30,000 bp and it's ideal for routine nucleic acid analytical/preparative applications, blotting assays, DNA fingerprinting, PCR or restriction digest analysis. Furthermore, this high-strength agarose forms gels that are easy to handle and that remain flexible even at high gel percentages, which minimize the risk of cracking or breaking.

Features

Form: Fine white powder

Separation range : 50 bp to 30,000 bp

Electroendosmosis (EEO), -Mr : ≤ 0.1

Gel strength : ≥ 1,200 g/cm² (1.5%)

Melting point : ≤ 90°C (1.5%)

Gelling point : 37-39°C (1.5%)

Sulfate(SO₄) : ≤ 0.1%

Moisture : ≤ 10%

Molecular Biology Grade

Wide separation range!**Sharpest resolution!****High gel strength!****High purity!****DNase and RNase free!****Applications**

Suitable for routine nucleic acid analytical/preparative applications, blotting assays, DNA fingerprinting, PCR or restriction digest analysis.

Usage

- (1) Add 1X TAE or any buffer of choice to a glass bottle which can hold 2-4 times the volume of the desired solution.
- (2) Sprinkle the agarose powder into the buffer and gently shake to prevent clumping.
- (3) Cover the beaker with plastic wrap and pierce a hole in the wrap for ventilation.
- (4) Heat the bottle in a microwave oven and shut down the oven right after boiling.

(Very important!)

- (5) Shake the bottle gently to dissolve agarose powder completely.
- (6) Repeat Steps 4-5 until the solution is clear and the agarose is completely dissolved.
- (7) Remove the solution from the oven very carefully and allow the solution to cool down to about 50-55°C, at which temperature it is ready to be cast into cassettes which have been prewarmed to 50-55°C.
- (8) Put the solidified gel at a 4°C refrigerator for 10 minutes.
- (9) The gel can be used for electrophoresis.

Storage Conditions

RealPure™ Agarose (Low EEO) should be stored dry at room temperature.

Quality Control

The quality of RealPure™ Agarose (Low EEO) is tested on a lot-to-lot basis by checking the product specifications and DNA separation. Also, no detectable RNase and DNase activity.

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Not intended for any animal or
human therapeutic or diagnostic use.
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