RealPure[™] Agarose (Low EEO)

Molecular Biology Grade

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

 $\label{eq:separation range: 50 bp to 30,000 bp} & Wide separation range! \\ Electroendosmosis (EEQ), -Mr: <math>\leq 0.1$ Sharpest resolution! \\ Gel strength: $\geq 1,200 \ g/cm2(1.5\%)$ \\ Melting point: $\leq 90^{\circ}C(1.5\%)$ Gelling point: $37.39^{\circ}C(1.5\%)$ Sulfate(SO4): $\leq 0.1\%$ High purity! Moisture: $\leq 10\%$ Molecular Biology Grade DNase and RNase free! \\ DNase and RNas



Store at 15-25°C Applications

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

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Not intended for any animal or

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human therapeutic or diagnostic use.

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 dumping.
 (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. (Verv 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℃. (8) Put the solidified gel at a 4℃ 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

zuanty 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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Features

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 Separation range: 50 bp to 30,000 bp
 Wide separation range!

 Electroendosmosis (EEO), -Mr: ≤ 0.1 Sharpest resolution!

 Gelstrength: $\geq 1,200 g/cm2(1.5\%)$ High gel strength!

 Melting point: 37-39°C (1.5%)
 High purity!

 Sulfate(SO4): $\leq 0.1\%$ High purity!

 Moisture: $\leq 10\%$ DNase and RNase free!

RBC It's the Joy of Discovery

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(Very important!)

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(8) Put the solidified gel at a 4°C refrigerator for 10 minutes.
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