

★ Storage

Store at room temperature.

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- Sepro, Agarose LE Tablets

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Shipping Condition

Ship on ambient.

★ Introduction

Agarose LE is refined in an advanced process that excludes the use of organic solvents. The result is a cleaner end product with significantly reduced environmental impact. The agarose can be used for analyses of nucleic acids from 150bp to 6kbp, protein electrophoresis and various blotting protocols.

The low EEO of the agarose promotes increased electrophoretic mobility, yielding improved resolution and shorter run times. This also allows macromolecules and larger particles (subcellular fragments, viruses, etc.) to migrate more freely through the gel matrix. The consistently low EEO reduces band distortion (caused by counterflow) that can result from the presence of excessive sulfate-rich negative ions.

The quick dissolving Sepro, Agarose LE tablets contains 0.5g (500mg) of Agarose LE, eliminating the hands-on time and inaccuracies normally associated with weighing. Use of the tablet is not only convenient and cleaner, it also provides better consistency and reproducibility gel to gel. Gel preparation is simple - add the desired number of tablets to electrophoresis buffer, allow to sit for two minutes and then heat and pour as usual. The resulting gels are highly transparent, have exceptional thermal stability (ensuring safe and easy handling) and exhibit exceptionally low absorption of chemical staining agents.

★ Instructions for use

Remove the required number of Sepro, Agarose LE Tablets from the package by pushing through the backing and added to an appropriate amount of buffer, see chart below. Allow tablet(s) to dissolve for 2 minutes. Once the tablet has dissolved, heat and pour the agarose as per your standard procedures.

* The time required for the tablet to dissolve is dependent upon the temperature of the buffer and the laboratory. DO NOT heat the solution until the tablet is dissolved.

Gel %	1 Tablet	2 Tablet	3 Tablet
0.70%	71ml	143ml	214ml
0.80%	63ml	125ml	188ml
1.00%	50ml	100ml	150ml
1.20%	42ml	83ml	125ml
1.30%	38ml	77ml	115ml
1.50%	33ml	67ml	100ml
1.80%	28ml	56ml	83ml
2.00%	25ml	50ml	75ml

★ Technical data

Gel strength	> 1200g/cm ² at 1%
	> 2500g/cm ² at 1.5%
Gelling temperature	36°C +/-1.5°C (1.5%)
Melting temperature	88°C +/-1.5°C (1.5%)
EEO (-mr)	< 0.13
Sulfate	< 0.2%
Moisture content	< 10%
RNase/DNase	None detected
Protease/Endonuclease	None detected
Storage conditions	Room temperature

★ Related GenDEPOT Products

Product Name	Cat No
Agarose, Sepro	A0224
iVDye 100bp DNA Ladder	V1002
1Kb PCR Ranger DNA Marker, 75bp-To-20Kb	D1109
amfSure PCR Master Mix (2X)	P0311
SafePinky DNA Gel Staining Solution (10,000X) in water	S1001