



# Agarose Tablets

## Molecular Biology Grade

CM1220-0110 110 tablets



CELTIC MOLECULAR

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## Shipping and storage instructions

Store at 15 - 30°C upon arrival. This product is shipped at room temperature.

## What's in the box

<b>Cat no.</b>	<b>CM1220-0110</b>
Pack size	110 tablets
Molecular Grade Agarose tablets	110 x 0.5g

## Notes

For research use only.

## **Product description**

Celtic agarose tablets are a high-quality molecular biology grade agarose in a convenient tablet format, ideal for routine electrophoretic separation of nucleic acids. Each tablet consists of 0.5g agarose – simply add the desired quantity of tablets to the buffer for the chosen gel concentration, without the need to weigh out agarose powder.

Agarose tablets offer consistent resolution between lots and is free of detectable DNase/RNase activities. High gel strength facilitates easy handling of gel concentrations as low as 0.5%, while low EEO (electroendosmosis) and sulfate content permits high nucleic acid mobility.

## **Analytical Specification**

Gelling Temperature: 36.8°C

Melting Temperature: 87.9°C

Gel Strength (1% Gel): 1,365 g/cm<sup>2</sup>

Sulfate Content: <0.1%

RNase / DNase: non-detectable

## Protocol

Aliquot the appropriate volume of electrophoresis buffer (TAE or TBE buffer) in a flask/beaker. Ensure that the liquid volume does not exceed half the volume of the flask. Add the appropriate number of tablets (dependent on the desired percentage gel) to the buffer and incubate at room temperature until dissolved (around 3 minutes) to achieve a homogenous solution. Heat the solution using a microwave oven/hot plate. Note, heating the tablets before the incubation step may result in insoluble pellets. Replenish the solution with warm distilled water to compensate for any liquid that has evaporated during heating. Allow the mixture to cool to 50-60°C before casting. Leave at room temperature to allow polymerization.

Gel strength guideline with approximate buffer volume and number of 0.5g agarose tablets:

	0.7%	0.8%	1%	1.2%	1.3%	1.5%
1 Tablet	71ml	63ml	50ml	42ml	38ml	33ml
2 Tablets	143ml	125ml	100ml	83ml	77ml	67ml
3 Tablets	214ml	188ml	150ml	125ml	115ml	100ml

## Technical support

For technical support please e-mail

[info@celticmolecular.com](mailto:info@celticmolecular.com)

