Agarose Tablets

Shipping: Ambient temperature

Batch No.: See bottle

Catalog numbers

BIO-41028 : 300 x 0.5 g

BIO-41027 : 600 x 0.5 g

Storage and stability:
Agarose Tablets are shipped at ambient temperature and should be stored in a cool, dry place.

Expiry
When stored under the recommended conditions and handled correctly, full activity is retained until the expiry date on the outer box label.

Safety precautions:
Please refer to the material safety data sheet for further information.

Quality control specifications:
Agarose Tablets is extensively tested for efficiency and contamination prior to release.

Notes:
Research use only.

Trademarks:
HyperLadder is a trademark of Bioline Reagents Ltd.

Description

Bioline Agarose Tablets (DNase/RNase free) are designed to provide a cleaner, safer, no-mess environment and more convenience than powdered agarose. Each tablet contains a pre-determined amount of agarose (0.5 g), eliminating the need to weigh out loose agarose powder. Simply add the appropriate number of tablets to your buffer, incubate at room temperature for five minutes, heat the solution and then prepare your gel as normal.

Features

- DNase/RNase-free
- Fast and convenient
- Greater gel-to-gel consistency
- Gels as low as 0.5 % are feasible
- Safer and cleaner to use than conventional agarose powder

Applications

- DNA/RNA electrophoresis
- Ideal for separating nucleic acids of a wide range of sizes

Preparation for Use:

Prior to heating, Agarose Tablets require a 5-6 minute incubation at room temperature in buffer*. This incubation step softens and then dissolves the agarose tablet in the buffer. Once dissolved, proceed as normal, heating the agarose solution preferably using a microwave. All other parameters are the same as when using a powdered form of agarose.

*(*The time needed to dissolve the tablet is dependent on the laboratory temperature. Please, do not microwave the tablet in the buffer immediately, as this will cause formation of smaller insoluble pellets. The room-temperature incubation step, prior to heating, is important to achieve a homogeneous mix).*

Approximate volume of buffer and number of Tablets needed to achieve the stated gel strength:

	1 Tablet	2 Tablets	3 Tablets
0.70%	71 mL	143 mL	214 mL
0.80%	63 mL	125 mL	188 mL
1.00%	50 mL	100 mL	150 mL
1.20%	42 mL	83 mL	125 mL
1.30%	38 mL	77 mL	115 mL
1.50%	33 mL	67 mL	100 mL

(Volumes are rounded up or down to the nearest whole mL)

Analytical Specifications:

Appearance:	White crystals or powder
Gel strength of 1.5% (w/v) gel	≥1200 g/cm^2
Melting temperature:	88-90 °C
Gelling temperature:	37 ºC ± 2 ºC
Sulfate:	≤ 0.14%
DNase/RNase:	None detected

Associated products

Product Name	Pack Size	Catalog No.
HyperLadder™ 1kb	200 Lanes	BIO-33025
MyTaq™ DNA polymerase	200 Units	BIO-21105
5x DNA Loading Buffer Blue	2 x 1mL	BIO-37045
EasyLadder I	200 Lanes	BIO-33045

Product citations

1. Ansari, A. and Emery, V. C. *J. Virol.* **73(4)**, 3284-3291 (1999).

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