Product Insert

Agarose Tablets

(DNase/RNase-free)

Catalogue Numbers:

BIO-41027	600 x 0.5g
BIO-41028	300 x 0.5g

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

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 (0.5g), 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.

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%	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

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

Product Specifications

Batch details:
Batch No: See bottle

Storage Conditions:
Cool, dry place

Shipping Conditions:
At Ambient Temperature

Analytical Specifications:

Appearance	White Tablet
Gel strength of 1.5% (w/v) gel	>1280 g /cm^2
Melting Point	88-90°C
Gelling temperature	37-39°C
Sulfate	<0.1%
DNase and RNase	Absent

Product Life:
1 year from date of purchase

Associated Products:

Product Name	Pack Size	Cat. No.
Agarose	100g	BIO-41026
RiboLadder Long	25 Lanes	BIO-33 061
HyperLadder I	200 Lanes	BIO-33025
RNA Loading Buffer	1ml	BIO-38025
Colored DNA Loading Buffer	2 x 1ml	BIO-37070

Notes

1. This product insert is a declaration of analysis at the time of manufacture.
2. Research Use Only.

UK
Bioline
16 The Edge Business Centre
Humber Road
London, NW2 6EW
U.K

Tel: + 44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

USA
Bioline USA Inc.
305 Constitution Dr.
Taunton
MA 02780
USA

Toll Free: 888 257 5155
Tel: 508 880 8990
Fax: 508 880 8993

Germany
Bioline GmbH
Im Biotechnologiepark TGZ 2
D-14943 Luckenwalde
Germany

Tel: +49 (0)33 7168 1229
Fax: +49 (0)33 7168 1244

Australia
Bioline (Aust) Pty Ltd
PO Box 122
Alexandria NSW 1435
Australia

Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763

email: info@bioline.com
website: www.bioline.com