



# 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
<b>0.70%</b>	71ml	143ml	214ml
<b>0.80%</b>	63ml	125ml	188ml
<b>1.00%</b>	50ml	10ml	150ml
<b>1.20%</b>	42ml	83ml	125ml
<b>1.30%</b>	38ml	77ml	115ml
<b>1.50%</b>	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 <sup>2</sup>
Melting Point	88-90°C
Gelling temperature	37-39°C
Sulphate	<0.1%
Solids	<10%
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.

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