

# PROTOCOL

## Agarose Tablets



Part Number: AGT05-100  
Version: 1.0  
Storage: Cool, dry place  
Batch Number: Marked on box

### Preparation for Use:

Prior to heating, Agarose Tablets require a 3 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, and heat the agarose solution preferably using a microwave. All other parameters are as same as using the agarose in the powder form.

(\*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 the 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:

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

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

### Analytical Specifications:

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

#### Notes

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