Agarose Tablets

18 JUL 2023

Catalog Number	Size	Format
AGT002-0500S	0.5g x 2 Tablets	Tablet
AGT002-0500	0.5g x 110 Tablets	Tablet

Intended Use

For Research Use Only (RUO)

Storage Conditions

Stable for up to 2.5 years at 25°C

Description

Bio-Helix 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.

Kit Content(s)

Agarose tablet	110 tablets/ box

Required materials but not provided

- Agarose gel caster
- Buffers
- Microwave oven

Reaction Setup

Prior to heating, Agarose Tablets require a 3 minutes 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).

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

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

Analytical Specifications

Appearance	White Tablet
Gel strength of 1% (w/v) gel	1,365 g /cm²
Melting Point	87.9°C
Gelling temperature	36.8°C
Sulfate	<0.1%
DNase and RNase	None-detected

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