

Agarose Powder (Molecular Biology Grade)

09 DEC 2022

Catalog Number	Size	Format
MB755-0500	500 g	Bottle
MB755-0100	100 g	Bottle

Storage Conditions

Stable for up to 2 years at 25°C

Description

- Bio-Helix Agarose is ideal for size-based separation of nucleic acids in electrophoresis application.
- Each gel sharply resolves DNA and provides the consistent resolution from lot to lot.
- Its low EEO property enables high electrophoretic mobility of DNA.
- Its strong gel strength allows easy handling and less breakage.
- There are no detectable DNase and RNase activities.

Kit Content(s)

Agarose powder	500g/bottle
	100g/bottle

Required materials but not provided

- Agarose gel caster
- 1X TAE Buffers
- Microwave oven

Reaction Setup

1. Measure agarose powders according to gel strength and agarose gel caster volume.

Approximate buffer volume and amount of powder needed to achieve the stated gel strength:

	0.70 %	0.80 %	1.00 %	1.20 %	1.30 %	1.50 %
30 ml	0.21 g	0.24 g	0.3 g	0.36 g	0.39 g	0.45 g
50 ml	0.35 g	0.4 g	0.5 g	0.6 g	0.65 g	0.75 g
100 ml	0.7 g	0.8 g	1 g	1.2 g	1.3 g	1.5 g

2. Mix agarose powder with 1X TAE buffer in a microwavable flask.
3. Microwave for 30-45 seconds, stop and swirl the flask until the agarose is completely dissolved but avoid overboiling the solution.
4. Cool down the agarose solution to about 50 °C. Pour the agarose into a gel tray with the well comb in place. Pour slowly to avoid bubbles.





Analytical Specifications

Appearance	White powder
Gel strength of 1% (w/v) gel	1,365 g/cm ²
Melting Point	87.9°C
Gelling temperature	36.8°C
Sulfate	<0.1%
DNase and RNase	None-detected