

EZ Agarose Tablets

Product Number: EZ100

Description

EZ Agarose Tablets is made with the High purity Low EEO (LE) Agarose. Pre-weighted (0.5g/tablet) no weighing required. For Multi-purpose, ready and easy to use. EZ Agarose Tablets is a line of cleaner agarose products with significantly reduced environmental impact at improved cost efficiency while delivering same reliable high quality user experience.

CAS	9012-36-6
Appearance	White to off-white powder
EEO	<0.13
Gelling Point	36°C±1.5°C (1.5% gel)
Melting Point	88°C±1.5°C (1.5% gel)
Solubility	Clear colorless solution at 1gr in 100ml water
Moisture	≤10%
Gel strength	≥1200g/cm ²
Sulfate	≤0.15%
Ash	≤0.5%
DNase/RNase/Protease	Not Detectable

Features

1. Pre-weighted tablet(0.5g/ tablet), no weighing required
2. Made with high purity Green LE Agarose, multi-purpose
3. Blister packaging allow for full portability and easy dispensing
4. <1 min. safe hands-on time

Package

0.5 gram per Tablet, 10 tablets(5g) per blister, 20 blisters(200 tablets) per box.

Protocol

1. Use a flask that is 2 to 4 times the volume of the solution being prepared.
2. Add agarose tablet to electrophoresis buffer based on below table to prepare your desired gel%, **soak tablet in buffer for 2 minutes before heating.**

GEL%	1 Tab	2 Tabs	3 Tabs
1%	50ml	100ml	150ml
1.2%	42ml	83ml	125ml
1.3%	38ml	77ml	115ml
1.5%	33m	67ml	100ml
1.8%	28ml	56ml	83ml
2.0%	25ml	50ml	75ml

3. heating

3.1. If use boiling water bath:

To melt agarose, simply heat the slurry in a boiling water bath, bring the solution to a boil and allow it to boil for 5-10 minutes stirring continuously, until agarose dissolves completely.

3.2. If use microwave oven:

- 3.2.1. Heat the slurry in microwave on high power setting until it starts to boil, allow boiling for 30 seconds.

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3.2.2. Remove the flask from microwave, swirl gently to re-suspend any remaining agarose particles.

3.2.3. Reheat on high power for 1-2 minutes or until the solution is clear and all particles are dissolved.

3.2.4. Remove the flask from the microwave oven, and gently swirl to it.

Note: Use caution when handling as solution may be extremely heated.

4. Cool the solution to approx 60°C before pouring.

Separation of DNA in agarose

Agarose gel (%)	0.3	0.6	0.7	0.9	1.2	1.5	2.0
DNA size range (kb)	60-5	20-1	10-0.8	7-0.5	6-0.4	4-0.2	3-0.1