

Tablet Agarose Gel Preparation Protocol

Product contents:

P/N: TAB-200, TAB-1000

200 x 0.5g, 1000 x 0.5g

Introduction:

Tablet Agarose is LE Agarose Tablet delivered in blister convenient pack. Optimized gel strength and Low EEO for ease of handling, high clarity, and low background sharp band separation.

Protocol:

1. Use a flask that is 2 to 4 times the volume of the solution being prepared.

IMPORTANT

2. Add the correct number of agarose tablet to a measured quantity of electrophoresis buffer, **soak tablet in buffer for 2 minutes**

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

3. 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.

If use microwave oven:

- Heat the slurry in microwave on high power setting until it starts to boil, allow boiling for 30 seconds.
- Remove the flask from microwave, swirl gently to re-suspend any remaining agarose particles.
- Reheat on high power for 1-2 minutes or until the solution is clear and all particles are dissolved.
- Remove the flask from the microwave oven, and gently swirl to it.

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