



FastGene® Agarose Tablets (200 x 0.5g)

Cat.No.: AG05



How to use:

- 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%	50 ml	100 ml	150 ml
1.2%	42 ml	83 ml	125 ml
1.3%	38 ml	77 ml	115 ml
1.5%	33 ml	67 ml	100 ml
1.8%	28 ml	56 ml	83 ml
2.0%	25 ml	50 ml	75 ml

3) Melting the agarose

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.

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