

## Agarose Tablets, 0.5g

### Instructions:

- 1) Use a flask that is 2 to 4 times the volume of the solution being prepared.
- 2) Add the 0.5g agarose tablet(s) to a measured quantity of electrophoresis buffer.

**IMPORTANT: Tablet must be allowed to soak/dissolve for 2 min before heating.**

### 3) Heating (Microwave):

- 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.

### Heating (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.

***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