



Cyrusbioscience

Agarose HR

Product No.: 102-9012-36-6

Storage: Store at Room Temperature

Protocol

1. Use a flask that is 2 to 4 times the volume of the solution being prepared.
2. Add the correct amount of dry agarose to a measured quantity of electrophoresis buffer, swirl the flask and allow agarose fully soak in the buffer to prevent clumping.
3. Weigh the flask and solution before heating.

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

Use caution when handling as solution may be extremely heated.

5. Add additional hot distilled water to bring the contents to the original weight (Step 3.) and mix well.
6. Cool the solution to approx. 60°C before pouring.

Separation of DNA in agarose

Agarose in gel (%)	2.0	3.0	4.0	5.0
DNA size range (bp)	500-2,000	100-1,200	50-500	20-250