

## LM Agarose

**Product Number: LM100P**

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### Protocol

1. Weigh 0.375g LM Agarose into a conical flask, add 25mL ultrapure water or TAE Buffer, and prepare LM Agarose gel with a concentration of 1.5%;
2. Wrap the bottle mouth with cling film or loosen the bottle cap (to reduce solvent evaporation), place it in a microwave and heat it to boil until completely dissolved (during this period, take out the conical bottle every 30 seconds, shake it evenly, and then continue heating);
3. After thoroughly mixing the LM Agarose solution, take 1mL of LM Agarose solution and add it to a 1.5ml EP tube;
4. Put the centrifuge tube into the refrigerator at 2-8 °C, and wait for LM Agarose solution to completely solidify into gel shape (about 20min);
5. Use a thermometer to calibrate the temperature of the water bath, adjust the water bath to 65 °C (based on the thermometer measurement);

**Note: It is not recommended to use a metal bath for heating, as there may be a temperature difference between the actual temperature of the metal bath and the set temperature.**

6. Put the centrifuge tube containing agarose gel into the water bath for 20min, take out the centrifuge tube, and observe whether the agarose gel melts into liquid state; (LM Agarose inside the tube can be crushed to speed up the melting test process.)

**Note:After removing the centrifuge tube, you can first lightly flick the tube wall and then invert it to observe if it melts.**

### Qualification criteria

After being removed from the metal bath, the melted LM Agarose can flow freely when slowly flipping the EP tube, indicating that the melting point of the LM Agarose meets the testing standards. Otherwise, it does not meet the testing standards.