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Preparing Agarose Gel

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Protocol status: Working
We use this protocol and it's working

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Abstract

N/A

Materials

1
- 1X TAE Buffer
- SYBRsafe
- Agarose powder
- Weigh boat
- 500mL Erlenmeyer flask
- Gel Electrophoresis tray
- Gel Electrophoresis comb
- Tape

Procedure

2 Tape up the gel electrophoresis tray and add well comb

3 Add 200mL of 1X TAE buffer to the Erlenmeyer flask

4 Weigh the right amount of agarose powder - depends on the expected PCR products: smaller than 500 bp: 2% agarose gel – 4 gr/200mL; bigger than 500 bp: 1% agarose gel – 2 gr/200mL).

5 Microwave for 2-3 minutes

6 Carefully remove flask from microwave and add 20uL of SYBRsafe to the gel solution. Swirl to mix.

7 Slowly pour the mixture in to the electrophoresis tray

8 Let cool for at least 30 minutes (no longer than 2 hours)

9 Clean the Erlenmeyer flask to remove excess agarose gel