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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