SOP Name: 0.8% agarose gel recipe (for electrophoresis)
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Source(s): Adapted from Exeter 2015

Amounts are for a small gel (up to 12 wells), for a larger gel (up to 20 wells) make up 100 ml of agarose gel (double amounts below).

Materials (50mL):

- HiResolution agarose powder (0.4g)
- TAE buffer (50 ml)
- Nancy 520 dye (0.5 µl)
- Gel tray (small)
- Well comb (up to 12 wells)

Procedure:

From glycerol powder:

1. Place the gel tray in a holder in a fume cupboard and insert the well comb(s) into the tray
2. Add 0.4g HiResolution agarose powder and 50 ml TAE buffer to a conical flask.
3. Microwave on high for ~1 min with regular swirling until melted; no solid should be visible.
4. Cool conical flask by running water over the outside of the flask and swirling th contents until the flask can be held comfortably. Ensure that the gel does does cool so much that it begins to set.
5. In the fume cupboard add 0.5 µl of 1% Nancy 520 dye to the flask and swirl to mix.
6. Pour the gel into the gel tray. Remove comb to check for air bubbles and then replace.
7. Leave until set (~10 mins) or until needed.