

**SOP Name:** Solid Agar Plate

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**Source(s):** New England BioLab

**Materials (500mL):**

- Tryptone (5g)
- Yeast extract (2.5g)
- NaCl (5g)
- Bacteriological agar (7.5g, 1.5% of total solution)
- MiliQ water (500ml)

**Procedure:**

1. Add the tryptone, yeast extract, and NaCl into a plastic beaker, along with 400 ml of the MQ water. Use a magnetic spinner to dissolve.
2. Add 7.5g (1.5% of total solution) of bacteriological agar and mix further.
3. Add 100 ml MQ water and further mix until dissolved.
4. Pour into a 500 ml Duran bottle and autoclave (15 psi, 121-124<sup>o</sup> C, 15 mins).