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# © Growth of mixed E. coli colonies

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1 Works for me

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#### ABSTRACT

Growth of mixed E. coli colonies on agar plates and between an agar plate and an agar pad

#### PROTOCOL CITATION

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# Make plates

- 1 Autoclave Lennox LB (10 g/l tryptone, 5 g/l NaCl, 5 g/l yeast extract) with 1.5 % agar (w/v) for 15 to 20 minutes.
- Optional: Add antibiotics at desired concentration after medium has cooled down sufficiently.
- 3 Pour  $\blacksquare$ 10 mL of LB and agar in Petri dishes with diameter of  $\neg$ 1-6 cm .

## Store and prepare plates

If not used the day after pouring plates, store at § 4 °C . Enclose in plastic container or bag to avoid further drying of plates.

6 Before usage of plates that have been refrigerated, preheat plates at § 37 °C for about © 00:00:00 min .

# Prepare bacterial cultures

Grow overnight culture (colony picked, or directly from glycerol frozen stocks) in Lennox LB (10 g/l XXX, 5 g/l NaCl, 5 g/l yeast extract).

# Inoculate colonies and incubate

- 8 Mix **300 μl** Lennox LB, and **50 μl** of each of the two overnight cultures in an Eppendorf tube. Vortex.
- 9 Inoculate **1 μl** in centre of plate and let dry.
- **Optional:** Cover colonies with agar pad. Cut about **18 mm** x **18 mm** agar pad inside plate. Use spatula to lift pad. Place vertically next to colony and let fall upside down onto colony. Use spatula to remove bubbles by pressing on top.
- 11 Place plates into container, together with sufficiently wet paper towels. Incubate for 7-8 days.