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Streaking bacteria on an agar plate from a glycerol stock

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Protocol status: Working

We use this protocol and it's working

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Keywords: bacteria on an agar plate, streaking bacteria, glycerol stock, agar plate, bacteria

Materials

MATERIALS



Metal loop for microbiology



Agar plate



Bacterial glycerol stock



Bunsen burner



Dry ice

Troubleshooting



- 1 Transfer the glycerol stock onto dry ice next to a flame.
- 2 Sterilise the loop in the flame.
- 3 Rub the loop in the glycerol stock.
- 4 Streak the bacteri in zigzag over half the agar plate.
- 5 Sterilise the loop.
- 6 Zigzag over half the plate which overlaps with the first half by a quarter of a plate.
- 7 Sterilise the loop.
- 8 Zigzag over half the plate which overlaps with the second half by a quarter of a plate.
- 9 Incube overnight at the temperature which is optimal for bacterial growth, 37 C for *E. coli*.
- 10 The next day, you should have single colonies visible on a quarter of the plate or half the plate.