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## Streaking bacteria on an agar plate from a glycerol stock

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Works for me

[dx.doi.org/10.17504/protocols.io.5xig7ke](https://doi.org/10.17504/protocols.io.5xig7ke)**Cristian Riccio**  
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### MATERIALS

**NAME** ▾**CATALOG #** ▾**VENDOR** ▾

Metal loop for microbiology

[View](#)

Agar plate

[View](#)

Bacterial glycerol stock

[View](#)

Bunsen burner

[View](#)

Dry ice

[View](#)

- 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 bacteria 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.



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