

Oct 17, 2022

Step A: Culturing

DOI

<https://dx.doi.org/10.17504/protocols.io.yxmvm2736g3p/v1>

k.z.cooper¹

¹University of Southampton

webb-group-resequenci...



Joe Parker

National Biofilm Innovation Centre, University of Southampto...

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Protocol Citation: k.z.cooper 2022. Step A: Culturing. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.yxmvm2736g3p/v1>

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Protocol status: In development

We are still developing and optimizing this protocol

Created: September 12, 2022

Last Modified: October 17, 2022

Protocol Integer ID: 69860

Keywords: culturing step

Abstract

Culturing step for bacterial genome resequencing project



- 1 Open the tracking form and verify you **also** have a copy of the batch tracking sheet printed out:
 - [Step A tracking form](#)
 - [Batch tracking sheet](#)

Preparation

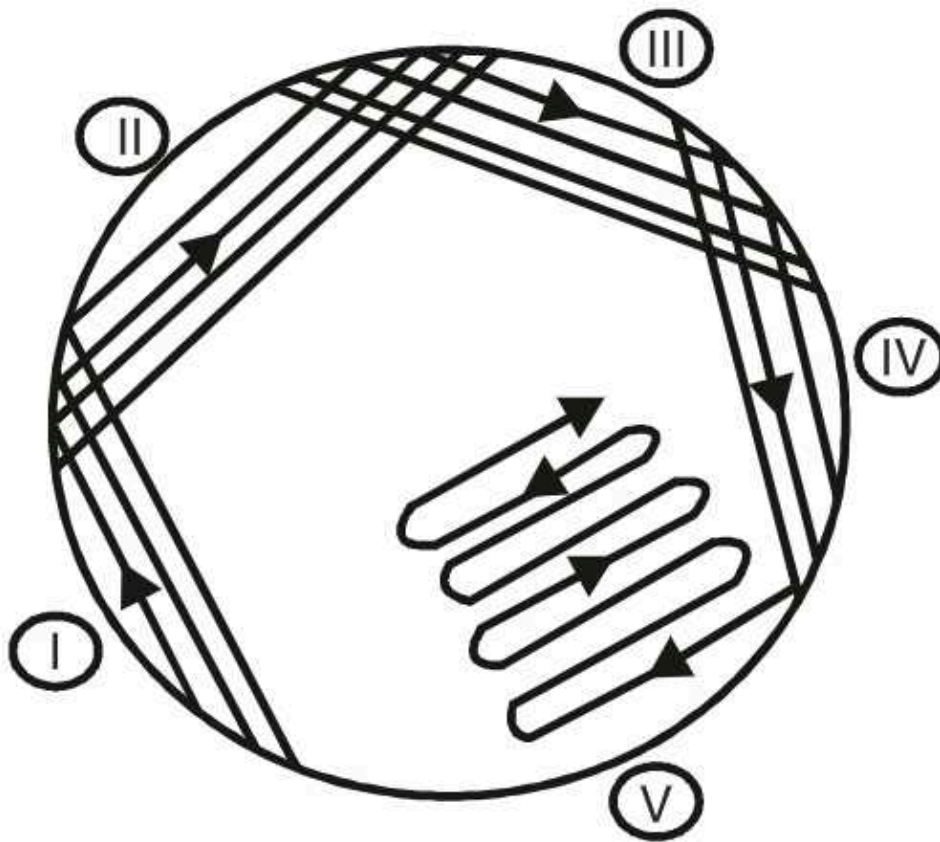
- 2 Ensure agar plates are pre-poured
- 3 Pre-label the plates using only the numbers provided on the spreadsheet under heading 'Sample_Label' 5m
- 4 Get required glycerol stocks and keep on dry ice 20m

Creating streak plate

12h

- 5 Ensure to cross reference with spreadsheet before every inoculation
- 6 Create streak plate inoculum using inoculation loop from glycerol stock 15m
- 7 Replace inoculation loop (after step I in the below figure) and dilute across the plate

8



Streak plate method

Use 2 disposable loops, 1 for the initial step, then 1 for the remaining 4 steps

9 Incubate at 37°C overnight

12h

Creating LB broth overnight culture

12h

10 Pre-label tubes using numbers from spreadsheets

5m

11 Transfer 5 ml of LB broth into a universal tube

10m

12 Inoculate the LB broth with a single colony from the agar plate

15m



13 Grow at 37°C overnight at 180 rpm in a shaking incubator

12h

14 Place agar plates into fridge for storage