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Culturing Xanthomonas

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Xanthomonas genomics



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We use this protocol and it's working

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Abstract

This is the protocol for culturing strains of Xanthomonas species in preparation for extracting genomic DNA for sequencing.



- 1 Streak isolates onto King's B plates. Incubate at 28°C for ~48 hours.
- 2 Pick a single colony and inoculate to 10ml King's B liquid media in 30ml universal tubes. Incubate over night at 28°C and 220rpm.
- 3 Pellet 1.8ml of liquid culture in a 2ml Eppendorf tube by centrifuging at 5000g for 10mins. Pour off and discard the supernatant.
- 4 Pipette another 1.8ml culture into the tube and repeat step 3. This will pellet 4ml of culture in a 2ml Eppendorf tube.
- 5 Spin the tubes for 2mins at 5000g. Remove the supernatant by pipetting and discard.
- 6 Proceed to the extraction process or flash freeze the pellets in liquid nitrogen and store at -20C until use.