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Miniprep Protocol (QIAGEN)

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Aditya Mohan¹

¹Johns Hopkins University



Aditya Mohan

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Protocol status: In development

We are still developing and optimizing this protocol

Created: October 20, 2019






Last Modified: October 20, 2019

Protocol Integer ID: 28963

Keywords: qiagen, protocol

Troubleshooting



- 1 Resuspend pelleted bacterial cells in 250 µl Buffer P1 and transfer to a microcentrifuge tube.
- 2 Add 250 µl Buffer P2 and mix thoroughly by inverting the tube 4–6 times.
- 3 Mix gently by inverting the tube. Do not vortex, as this will result in shearing of genomic DNA.
- 4 Add 350 µl Buffer N3 and mix immediately and thoroughly by inverting the tube 4–6 times.
- 5 Centrifuge for 10 min at 13,000 rpm (~17,900 x g) in a table-top microcentrifuge. A compact white pellet will form.  17900 x g
- 6 Apply 800 µl of the supernatant from step 4 to the QIAprep 2.0 spin column by pipetting.
- 7 Centrifuge for 30–60 s. Discard the flow-through.
 00:01:00
- 8 Wash the QIAprep 2.0 spin column by adding 0.5 ml Buffer PB and centrifuging for 30–60 s. Discard the flow-through.
 00:01:00
- 9 Wash QIAprep 2.0 spin column by adding 0.75 ml Buffer PE and centrifuging for 30–60 s.
 00:01:00
- 10 Discard the flow-through, and centrifuge at full speed for an additional 1 min to remove residual wash buffer.
 00:01:00



- 11 Place the QIAprep 2.0 column in a clean 1.5 ml microcentrifuge tube. To elute DNA, add 50 μ l Buffer EB.