MOLGEN

4.2.3 Detailed instructions

Follow exactly the instructions as given below. Label all plates thoroughly and unambiguously to avoid any misloading during the instrument loading procedure.

Before starting:

- *Depending on the sample material, prepare Lysis Working Solution according to section 3.3*
- *Immediately before use, resuspend MagSi-AG IV by vortexing for 20 seconds*

Sample lysis:

1. Transfer the sample to a deepwell microplate or microtube. To each sample, add **400 µL Lysis Working Solution** and incubate the samples at **65°C** for **3 hours**.
2. Centrifuge for **15 min (>6.000 x g)** to pellet contaminants and cell debris. Transfer 300 µL cleared lysate to the "Sample Plate".

DNA purification:

3. Prepare the "Sample Plate" for the binding step with **MagSi-AG IV** and **Binding Buffer U1**. To each well of the Sample Plate already containing 300 µL lysate, dispense **20 µL MagSi-AG IV** magnetic beads and **500 µL Binding Buffer U1**.
4. Prepare "Wash Plate 1" and "Wash Plate 2" with Wash Buffer I. Add **800 µL Wash Buffer I** to each well of the corresponding deep-well plates.
5. Prepare "Wash Plate 3" with **Wash Buffer II**. Add **800 µL Wash Buffer II** to each well of the corresponding deep-well plate.
6. Prepare "Elution Plate" with **Elution Buffer**. Add **150 µL Elution Buffer** to each well of the corresponding square-well elution plate.
7. Switch on the PurePrep 96 System and select the protocol from the user defined protocols
8. Load all plates to the PurePrep 96 instrument on indicated positions, see section 4.2.2 (right-most column). Use the clockwise / counter clockwise buttons on the instrument to rotate the turntable to the indicated positions.

   Make sure that the plates are loaded in the correct orientation (especially when using partially filled plates). Place the A1 well of each plate to the A1 mark on the instruments turntable. Make sure that the plates are fixed to the positions by the clamps.
9. Press on the Tab "Run Prog.", select the shortcut icon for the protocol and press Run to start the protocol
10. At the end of the run remove all plates from the instrument

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