EasySpin Genomic DNA Microplate Tissue Kit

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BEFORE START INSTRUCTIONS

Prepare 1.5 µL eppendorf tubes, one for each sample (95 samples per plate).
Label them and add 300 µL ACL Solution.

DOI:
dx.doi.org/10.17504/protocols.io.zjxf4pn

Protocol Citation: Daniel Oliveira . EasySpin Genomic DNA Microplate Tissue Kit.
protocols.io
<https://dx.doi.org/10.17504/protocols.io.zjxf4pn>

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Created: Mar 27, 2019

Last Modified: Mar 27, 2019

PROTOCOL integer ID:
21847

Day 1

- 1 Add one insect leg to each tube containing the buffer.

- 2 Add 20 µL Proteinase K . Vortex samples (can be done by vortexing the rack) and, before the next step, make sure all legs are covered by buffer (check that legs are not stuck in the eppendorf tube wall away from the liquid).

- 3 Incubate tubes at 55 °C overnight.

Day 2

- 4 Pipette 300 μ L of supernatant (buffer plus Proteinase K) from each tube into a well of the column plate.
- 5 Add 300 μ L of AB Solution to each well of the column plate and let rest at room temperature for 00:02:00 .
- 6 Centrifuge plate at 3700 rpm for 00:05:00
- 7 Discard the flow-through and place column plate in the same collection plate.
- 8 Add 500 μ L Wash Solution to each well and centrifuge again at 3700 rpm for 5 minutes.
- 9 Repeat step 7 and 8.
- 10 Discard the flow-through and centrifuge one more time at 3700 rpm for 00:05:00 to dry the membrane.

- 11** Transfer the column plate to a (new) PCR plate. Add 50 µL Elution Buffer to each well. Incubate at 55 °C for 00:05:00 . Centrifuge at 3700 rpm for 00:05:00 (this is the Elution 1 plate).
- 12** Transfer the column plate to a new PCR plate and add 50 µL Elution Buffer again to each well for a second elution. Incubate at 55 °C for 5 minutes. Centrifuge at 3700 rpm for 00:05:00 . This is the Elution 2 plate.
- 13** Seal the DNA plates with strip caps and store at -20 °C . Discard the column plate.