

DNEASY DNA EXTRACTION WORKSHEET

DATE: _____

INITIALS: _____

NUMBER NAME _____

1. _____

2. _____

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10. BLANK _____

DIRECTIONS:

1. Turn on heat block. Label 2 sets of 1.5 uL microcentrifuge tubes and 1 set of spin tubes.
2. Place 1-2 legs or small amount of thoracic tissue in 1.5 uL tube.
3. Add 180 uL PBS.
4. Crush leg/body parts with pestle. Wash and autoclave each pestle after use.
5. Add 20 uL of Protinease K, and 200 uL buffer AL. Mix by vortexing.
6. Incubate at 70 degrees C for 10 minutes. Vortex at 5 minutes.
7. Add 200 uL absolute ethanol, mix by vortexing.
8. With disposable pipet, pipet mixture into spin tube.
9. Centrifuge at 8000 rpm for 1 minute. Discard flow through (non-hazardous).
10. Use same collection tube. Add 500 uL Buffer AW1.
11. Centrifuge at 8000 rpm for 1 minute. Discard flow through (non-hazardous).
12. Use same collection tube. Add 500 uL Buffer AW2.
13. Centrifuge at full speed for 3 minutes. Discard flow through and collection tube.
14. Place spin column in labeled 1.5 uL tube. Add 70 uL of hot Buffer EB to the membrane.
15. Incubate for 1 minute at room temperature.
16. Centrifuge for 1 minute at 8000 rpm. Discard spin tube.
17. Store products at -70 C.