Supplementary Protocol for the Isolation of DNA from Norgen’s Swab Collection and DNA Preservation System using Norgen’s Saliva DNA Isolation Kit

Product #: 45690

Customer-Supplied Reagents
- Isopropanol
- 96-100% Ethanol
- Norgen’s Swab Collection and DNA Preservation System (Cat# 45690)
- Norgen’s Saliva DNA Isolation Kit (Cat# RU45400)

Isolation of DNA from Swabs

1. Add 20 μL of Proteinase K (vortex before use) to the swab collection tube (blue cap). Mix by vortexing and incubate at 55°C for 1 hour.
2. Aliquot 500 μL of preserved sample to a microcentrifuge tube (user provided).
3. Add 200 μL of Binding Buffer B to the saliva sample. Mix by vortexing and incubate at 55°C for 5 minutes.
4. Add 720 μL of Isopropanol and mix by vortexing for a few seconds.
5. Assemble a column with one of the provided collection tubes.
6. Apply up to 650 μL of the lysate to the Spin column and centrifuge for 1 minute at 6,000 RPM (~3,800 x g).
   Note: Ensure the entire sample has passed through into the collection tube by inspecting the column. If the entire sample volume has not passed, spin for additional 1 minute at 10,000 RPM (~10,000 x g).
7. Discard the flowthrough and reassemble the spin column with its collection tube.
8. Repeat with remaining lysate (you may need to repeat a total of three times to ensure all lysate passes through the column).
9. Apply 500 μL of Wash Solution A to the column (ensure EtOH is added) and centrifuge for 1 minute at 8,000 RPM (~6,800 x g). Discard the flowthrough and reassemble the spin column with its collection tube.
10. Apply 500 μL of Wash Solution A to the column and centrifuge for 1 minute at 14,000 RPM (~20,000 x g), a maximum speed. Discard the flowthrough and reassemble the spin column with its collection tube.
11. Spin the column for 2 minutes at 14,000 RPM (~20,000 x g) or at maximum speed in order to thoroughly dry the column. Discard the collection tube.
12. Place the column into a fresh 1.7 mL Elution tube provided with the kit.
13. Add 50 μL of Elution Buffer B to the column. Incubate for 5 minutes at 55°C.
14. Centrifuge for 2 minutes at 2,000 RPM (~ 425 x g), followed by a second spin for 1 minute at maximum speed.

Technical Support
Contact our Technical Support Team between the hours of 8:30 and 5:30 (Eastern Standard Time) at (905) 227-8848 or Toll Free at 1-866-667-4362.

Technical support can also be obtained from our website (www.norgenbiotek.com) or through email at techsupport@norgenbiotek.com.