GRS Genomic DNA Kit – Tissue

#GK03.0100 (100 preps) | GK03s (trial size, 4 preps)
(FOR RESEARCH ONLY)

SUGGESTED PROTOCOL FOR DNA PURIFICATION FROM BUCCAL SWAB

1) Add 500µl of Buffer BC2 and 20µl of Proteinase K (10mg/ml) to a 1.5-ml microcentrifuge tube. Place the buccal swab into the tube and incubate at 60ºC for 10 minutes.

2) Discard the swab and add 500µl of Buffer TC1 to the lysate. Mix immediately by shaking vigorously. Incubate at 60ºC for 10 minutes [At this time, preheat the elution buffer to 60ºC for the DNA elution step]

3) **[optional; when RNA-free DNA is required]** Allow the mixture to cool to room temperature and add 5µl of RNase A (10mg/ml), vortex, and incubate for 5 minutes at room temperature.

4) Add 500µl of absolute ethanol to the lysate and immediately mix by shaking vigorously.

5) Place the genomic DNA mini spin column in a 2-ml collection tube and transfer 700 µl of the sample mixture to the column. Centrifuge at 14,000g-16,000g for 1 minute.

6) Discard the flow-through and repeat step 5 with the remaining lysate.

7) Proceed with the wash step of the tissue protocol.