

# Genfind v2 Protocol Supplement



## For Buccal Cells and Saliva

Please reference the current protocol for product information and a detailed description of use. Note that eating or drinking 1 hour before sample collection can compromise gDNA quantity and quality. Follow the standard protocol except:

### Buccal Swabs

1. Collect buccal cells on swabs (for example Puritan Medical Products REF 25-3306 H) by scraping swab across the inside of the cheek at least 10 times. Dry the swab for storage or continue to the next step immediately.
2. Cut the tip of the swab and put it into a 2.2 ml deepwell plate (WorldWide Medical Products 99181000; <http://www.wwmponline.com>). Add 400 ul of Genfind v2 Lysis and 9 ul of Genfind v2 Proteinase K.
3. Shake for 15 minutes to mix and lyse 45 minutes at room temperature.
4. Remove the swab and continue with the standard Genfind v2 protocol from the Bind step.
5. Reduce the elution volume to 40 ul and reduce the transfer volume of eluate to 35 ul.

### Buccal Cells Collected in Mouthwash

1. Pour 10 ml of mouthwash into a 50 ml conical tube.
2. Swish the mouthwash in mouth from side to side rinsing the cheeks for 20 seconds. DO NOT GARGLE
3. Spit the mouthwash back into the tube. For best results continue with the extraction within 3 hours of collection. If waiting more than 3 days before extraction, it is recommended to pellet the cells and freeze them until lysis.
4. Centrifuge the tube at 3000 x g for 10 minutes
5. Decant the mouthwash
6. Resuspend the buccal cell pellet in 400 ul Genfind v2 Lysis buffer and 9 ul Genfind v2 Proteinase K
7. Transfer lysate to a 2.2 ml deepwell plate (WorldWide Medical Products 99181000; <http://www.wwmponline.com>).
8. Continue with the standard Genfind v2 protocol with the lysis incubation step
9. Reduce the elution volume to 40 ul and reduce the transfer volume of eluate to 35 ul.

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## Saliva

Collect Saliva in a 15 or 50 ml conical tube

Transfer up to 300 ul of saliva without foam into a 2.2 ml deepwell plate (WorldWide Medical Products 99181000; <http://www.wmponline.com>).

Continue with the standard Genfind v2 protocol