



## Benefits

- Improve donor care and compliance with painless, non-invasive sample collection
- Eliminate phlebotomy costs
- Ideal for use with children or patients that will not comply with blood collections
- Increase efficiency, minimize sample handling and reduce handling errors with a compatible format for high-throughput processing
- Sample remains stable for years at room temperature, reducing transportation and storage costs
- Sample can be mailed using the standard postal system
- DNA from saliva is equivalent to DNA from blood for downstream applications

## Collection method comparison

| Attributes   | Blood collection | Oral collection                                 |   |  |
|--|------------------|---|---|--|
|  | Venous blood     | Mouthwash                                       | Buccal swabs                                    | Oragene-DISCOVER (OGR-500.005)                     |
| Non-invasive collection                            | ✗                | ✗   | ✓   | ✓  |
| Standardized format for high-throughput processing | ✓                | ✗   | ✗   | ✓  |
| Specimen stability at room temperature             | Days             | Weeks   | Days  | Years  |
| Low bacterial content                              | ✓                | ✗ <sup>†</sup><br>(up to 60% bacterial content) | ✗ <sup>†</sup><br>(up to 90% bacterial content) | ✓ <sup>†</sup><br>(median 11.8% bacterial content) |
| Median DNA yield                                   | 30 µg            | 35 µg   | 2 µg  | 110 µg   |
| Sample size  | 1 mL             | 10 mL <sup>‡</sup>                              | 1 swab  | 2 mL   |
| Molecular weight                                   | >23 kb           | > 23 kb   | < 23 kb   | >23 kb   |
| Shipping at ambient temperature                    | ✗                | ✓   | ✓   | ✓  |
| Full customization available                       | ✗                | ✗   | ✗   | ✓  |

<sup>†</sup> Birnboim, H.C., Iwaszow, R.M. and James, C.M.P. (2008). Human genomic DNA content of saliva samples collected with the Oragene self-collection kit. DNA Genotek. PD-WP-011.

<sup>‡</sup> Volume of mouthwash used for sample collection.

## Kit contents



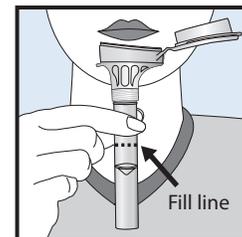
### Product specifications

**Pre-use with packaging:**  
 Dimensions: 14.0 x 8.0 x 2.8 cm  
 Weight: 39 g  
 Shelf-life: 30 months

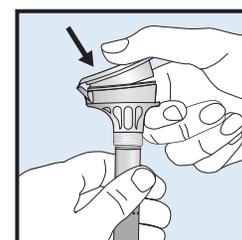
### Post sample collection specifications

**Standard false bottom tube:**  
 Tube diameter: 16 mm  
 Tube height (without cap): 93 mm  
 Stability: Years

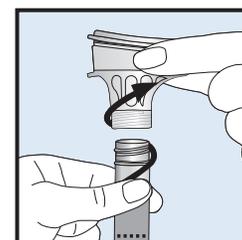
## Easy collection



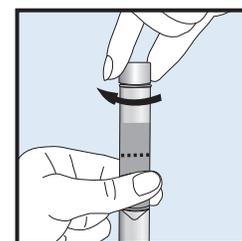
Spit until the amount of saliva (not bubbles) reaches the fill line.



Close lid tightly by pushing down hard on the funnel lid until you hear a loud click.



Unscrew the funnel from the tube.



Close tube tightly with small cap. Shake for 5 seconds.

Oragene-DISCOVER is for research use only, not for use in diagnostic procedures. Some DNA Genotek products may not be available in all geographic regions.

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