



DNA from Saliva

EASY • PAINLESS • PROVEN

Collect superior samples for your genetic analysis

All genetic analysis starts with the collection of DNA samples. Collect reliable samples with an all-in-one system for the collection, stabilization and transportation of DNA from saliva.

- **Painless, non-invasive collection of high quality, high quantity DNA**
- **Easy collection, transportation and processing**
- **DNA is stable for years at room temperature**
- **Standardized format for automated processing**
- **Proven on downstream applications**

"Here we have shown that saliva DNA is of high quality and suitable as a template for array-based SNP genotyping, at least for the Illumina Infinium genotyping platform. The Oragene kit also enables self-collection and therefore presents minimal inconvenience to the participant, resulting in high response rates. Further, we have shown that saliva samples can be sent in the mail to a central collection point, thereby reducing transportation costs and the risk of duplication. These financial and logistical benefits will positively affect other genetic studies seeking to expand collections for future research."

Bahlo M et al. Cancer Epidemiol Biomarkers Prev. 2010;19(3):794-8.



Sample ready for transport, storage and processing

Collection device catalog #: OGR-500

For more information contact info@dnagenotek.com

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)
Non-invasive collection	✗	✗	✓	✓
Standardized format for high-throughput processing	✓	✗	✗	✓
Specimen stability at room temperature	Days	Weeks	Days	Years
Low bacterial content	✓	✗ [†] (up to 60% bacterial content)	✗ [†] (up to 90% bacterial content)	✓ [†] (median 11.8% bacterial content)
Median DNA yield	30 µg	35 µg	2 µg	110 µg
Sample size	1 mL	10 mL [‡]	1 swab	2 mL
Molecular weight	>23 kb	> 23 kb	< 23 kb	>23 kb
Shipping at ambient temperature	✗	✓	✓	✓
Full customization available	✗	✗	✗	✓

[†] Birnboim, H.C., Iwasiow, 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.

[‡] 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

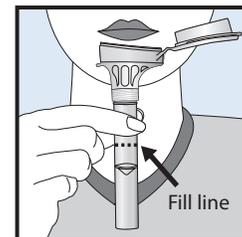
Post sample collection specifications

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

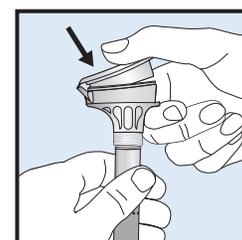
Oragene®-DISCOVER is for research use only, not for use in diagnostic procedures. Some DNA Genotek products may not be available in all geographic regions.

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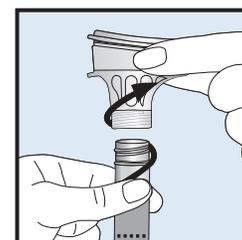
Easy collection



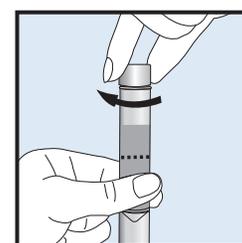
Spit until the amount of saliva (not bubbles) reaches the fill line.



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.

U.S. Patent No. 7,482,116;
 European Patent No. 1 513 952
 and 1 956 969; Patent pending
 Canadian Design Nos.
 127470; 132896; 132897
 U.S. D631,554 S and D640,795 S
 Community Design Nos.
 001095186-0001; -0002; -0003