



## DNA from Saliva

EASY • PAINLESS • PROVEN

### Collect superior samples for your genetic analysis

All genetic research 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.

- **Easy collection, transportation and processing**
- **Painless, non-invasive collection of high quality, high quantity DNA**
- **DNA is stable for years at room temperature**
- **Ideal for use with children<sup>†</sup>**
- **Proven on downstream applications**



Sample ready for transport, storage and processing

Collection device catalog #: OGR-250

For more information contact  
[info@dnagenotek.com](mailto:info@dnagenotek.com)

“The suitability of saliva samples as a source of genomic DNA allows for the flexibility of a collection method in the research environment that is more cost effective, less invasive and more suitable for long term and/or broad range studies.”

*Affymetrix Poster: “Comparison of high density genotyping results from saliva and blood samples on Affymetrix GeneChip® GenomeWide SNP 6.0 arrays”*

## Benefits

- Non-invasive, reliable self-collection that increases compliance and decreases costs
- DNA from saliva is equivalent to DNA from blood for downstream applications
- Sample remains stable for years at room temperature, reducing transportation and storage costs
- Sample can be mailed using the standard postal system
- Ideal for use with children or donors that will not comply with blood collections

## Collection method comparison

Attributes	Blood collection		Oral collection	
	Venous blood	Mouthwash	Buccal swabs	Oragene-DISCOVER (OGR-250)
Non-invasive collection	✗	✗	✓	✓
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	✗	✓	✓	✓
Ideal for use with children	✗	✗	✓	✓†

‡ 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: 8.0 x 12.0 x 2.5 cm

Weight: 30.3 g

Shelf-life: 24 months

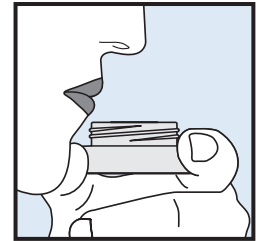
#### Post sample collection specifications

Disc diameter: 45 mm

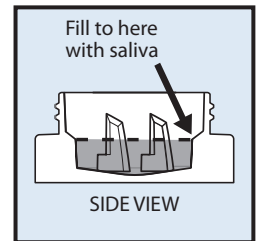
Disc height (without cap): 20.5 mm

Sample stability: Years

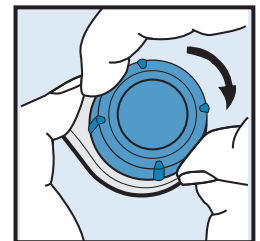
## Easy collection



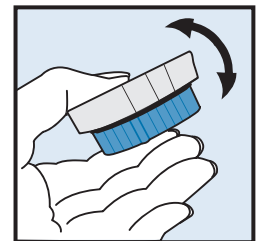
Spit saliva into empty container.



Spit until the amount of liquid saliva (not bubbles) reaches the level shown.



On a flat surface, tightly close the container with the cap.



Tighten cap firmly and shake gently for 10 seconds.

† For use with CS-1 or CS-2 accessory kit. 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.

\*Oragene is a registered trademark of DNA Genotek Inc. All other brands and names contained herein are the property of their respective owners. Patent ([www.dnagenotek.com/legalnotices](http://www.dnagenotek.com/legalnotices))