



DNA from Saliva

EASY • PAINLESS • PROVEN

Ultimate flexibility for your genetic research and banking

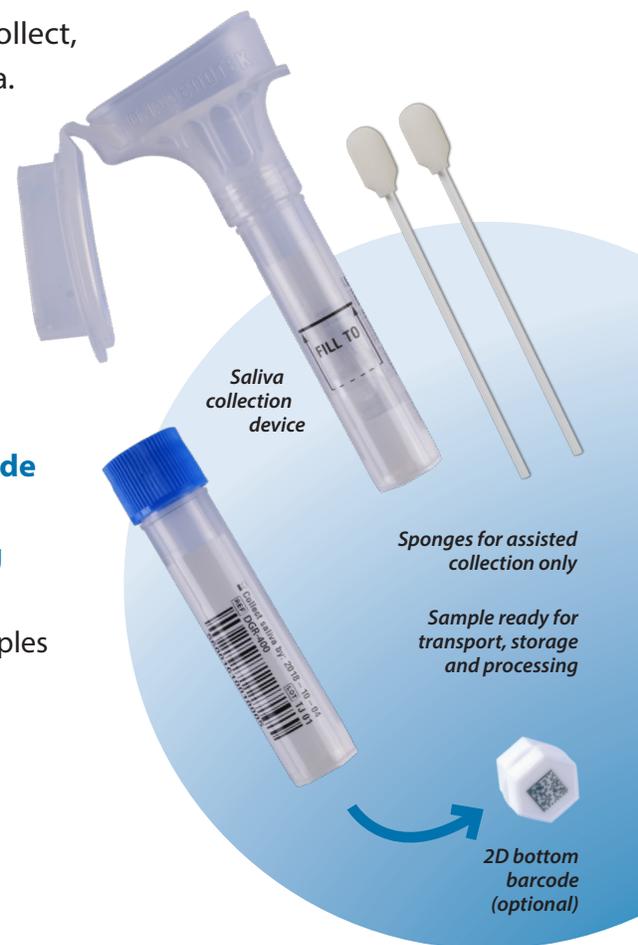
Collect DNA samples that are reproducible and scalable with Oragene®·DISCOVER — the proven all-in-one system to collect, stabilize, transport and store high-quality DNA from saliva.

- **High-quality, high-quantity DNA**
- **Equivalent to blood for DNA analysis**
- **Painless and reliable self-collection or assisted collection**
- **DNA is stable for years at ambient temperature**
- **Optimized for both manual sample processing and automated workflows**
- **Integrated 1D barcode + optional 2D bottom barcode for workflow efficiency**
- **Proven on targeted and whole genome sequencing**

“To date, we have sequenced over 1,585 (Oragene) saliva samples to **30x coverage using the HiSeqX™ (Illumina®)**... we are confident sequencing patient samples from (Oragene) saliva can be **cost-effective** and produce **high-quality results** for research and clinical studies.”

Scientific poster by the Broad Institute

Dodge S, Ferreira S, Philippakis A. Sequencing whole genomes with DNA derived from saliva. [Poster]. Advances in Genome Biology and Technology Meeting (AGBT); Feb. 10-13, 2016. Orlando, FL



Your kit, your way.

The Oragene-DISCOVER 600 series combines ease-of-use and high-quality samples with the ability to tailor the device to your needs. Tube length, anti-rotation features for automation and enhanced barcoding options give you ultimate flexibility for storage, sample processing and traceability.

Sample size	Recommended configuration	Laboratory advantages	Collection, transport and storage advantages	Supplemental services
Small- to mid-size study 	Standard 600 series kit with 1D tube barcode	<ul style="list-style-type: none"> Compatible with manual processing Automated de-capping (low-medium throughput) Sample tracking with 1D tube barcode 	<ul style="list-style-type: none"> Non-invasive At-home or centralized collection Quick and easy self-collection or assisted collection Instructions available in multiple languages 	<ul style="list-style-type: none"> Study design and consultation Custom sample packaging Mailing accessories and direct-to-donor shipments
Large-size study 	Standard 600 series kit • 1D tube barcode • Optional matching 2D bottom barcode†	<ul style="list-style-type: none"> Automated de-capping (high throughput) Sample tracking with option for bed scanning 	<ul style="list-style-type: none"> Ship via standard postal system No cold-chain transport required Compact design minimizes storage space 	

† No false bottom on configurations with 2D bottom barcodes

Kit contents and packaging specifications

Full product specifications can be found on our website.

Dimensions: 14.0 x 7.5 x 2.8 cm
Weight: 37 g
Shelf life: 30 months



Performance data

Attributes	OGR-600 for self-collection	OGR-675 for assisted collection
Saliva volume	2 mL	0.75 mL via sponge
Average DNA yield ¹	58.5 µg ^{2,3}	17.3 µg ⁴
Molecular weight	> 23 kb	> 23 kb
Low bacterial content	11.8% ⁵	11.8% ⁵
Sample stability at ambient temperature	Years	Years

¹ Expected yield is dependent on donor draw volume and chosen extraction method.

² Impact of population and laboratory methods on DNA yield and variability. DNA Genotek. PD-WP-00031.

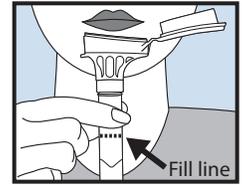
³ Oragene Dx Product Handbook PD-HB-00001_Issue10.

⁴ Non-invasive, assisted collection of high quantity and quality genomic DNA from saliva of young children. DNA Genotek. PD-WP-018.

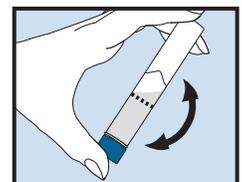
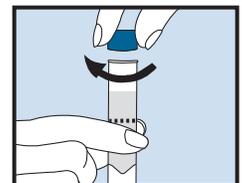
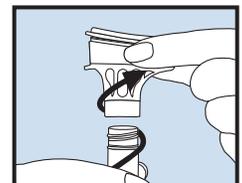
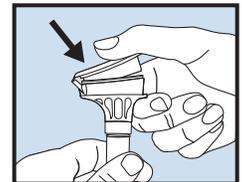
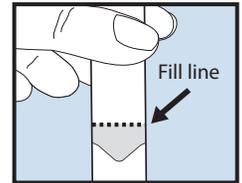
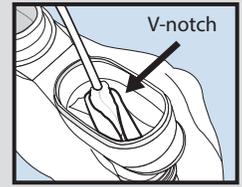
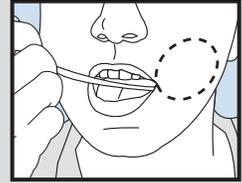
⁵ Birnboim HC, Iwasiwo RM, James CMP. (2008). Human genomic DNA content of saliva samples collected with the Oragene self-collection kit. DNA Genotek. PD-WP-011.

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Self-collection (OGR-600)



Assisted collection option (OGR-675)



Full collection instructions can be found on our website.