



DNA from Saliva EASY • PAINLESS • PROVEN

Easy self-collection for maximum compliance

Transplant centers and marrow donor registries can improve access to potential donors, improve efficiency and decrease costs by offering a completely non-invasive, reliable and easy-to-use sample collection method. Oragene®•DNA and ORAc collect®•DNA are ideal for use with HLA typing applications.

Use Oragene•DNA and ORAc collect•DNA for proven collection, stabilization and transportation of DNA from saliva.

- **Non-invasive, reliable self-collection of DNA samples with both spitting and non-spitting options**
- **Increase access to potential family members and/or unrelated donors with mail based or event-based sample collection**
- **Ideally suited for HLA typing and Next Generation Sequencing applications**
- **Decrease cost and complexity of sample transport, management and storage with room temperature stability of samples**
- **Improve processing efficiency with a liquid sample and tube format that seamlessly integrates with automated platforms**



OG-510 collector

OCR-100 collector

For more information contact
info@dnagenotek.com

"We're really excited about the switch to saliva testing. Ultimately, this is about saving more lives. Anthony Nolan provides two potentially lifesaving transplants every day, but there is an equal number that we can't currently help. We urgently need to increase the number of people on our register, and saliva testing will help us do that much more quickly and effectively."

Henny Braund
Chief Executive of Anthony Nolan

Other DNA Genotek products include



For In Vitro Diagnostic Use

For collection of human DNA

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DNAgenotek

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Benefits

- Improve donor convenience while eliminating phlebotomy costs
- Ideal for use with all donors, including those who will not comply with blood collections
- Reliable for use in any collection environment: in the clinic, at the physician's office or at home
- Compact and robust design for transport via the standard postal system
- Suitable for molecular diagnostic applications, such as HLA low, intermediate and high resolution typing

Collection method comparison

Attributes	Blood collection	Buccal oral collection	DNA Genotek oral collection		
	Venous blood	Buccal swabs	OG-575, OG-510, OG-500	ON-500	OCR-100
Non-invasive collection	✗	✓	✓	✓	✓
Standardized format for high-throughput processing	✓	✗	✓	✓	✓
Liquid sample	✓	✗	✓	✓	✓
Specimen stability at room temperature	Days	Days	Years	Months	Months
Low bacterial content	✓	✗	✓	✓	✓
Shipping at ambient temperature	✗	✓	✓	✓	✓
Collected sample size	1 mL	1 swab	0.75–2 mL	0.5 mL	1 sponge
Median DNA yield	30 µg	2 µg	17.3 – 110 µg ^{1,2,3}	8.6 µg ⁴	3.9 µg ⁵
Molecular weight	>23 kb	<23 kb	>23 kb	>23 kb	>23kb

¹ Impact of population and laboratory methods on DNA yield and variability. PD-WP-00031.

² DNA yield with an Oragene self-collection kit. PD-WP-001.

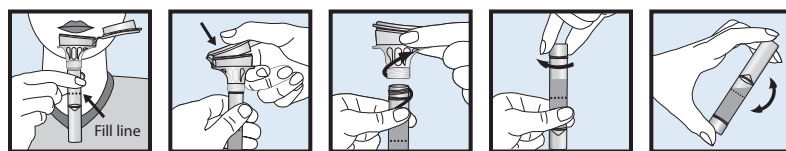
³ J.O. Niles, A. Jackson, S. Rabuka and R.M. Iwaszow (2011). Non-invasive, assisted collection of high quantity and quality genomic DNA from saliva of young children. PD-WP-018.

⁴ M. Iwaszow, M.A. Tayeb and C.M.P. James (2011). Quality, yield and bacterial content of DNA from human saliva collected and purified using Oragene-ONE. PD-WP-013.

⁵ R. Panford-Walsh, E. Doukhanine, A. Bouevitch. Comparison of DNA from samples collected using ORAcollect+DNA (OCR-100) vs. buccal swabs. PD-WP-00021.

Collection steps

Saliva collection (OG-500, OG-510 and ON-500)[†]



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

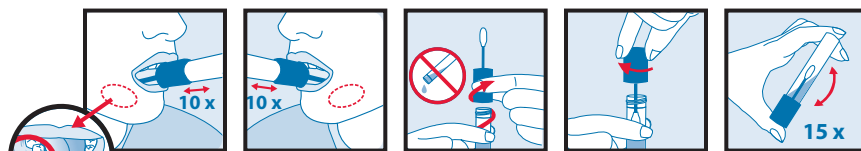
Close lid tightly by pushing down hard on the funnel lid until you hear a loud click.

Unscrew the funnel from the tube.

Close tube tightly with small cap.

Shake the capped tube for 5 seconds.

Oral collection (OCR-100)



Place sponge comfortably in mouth and rub lower gums 10 times back and forth.

Repeat rubbing motion on the opposite side of the mouth.

Holding the tube upright, unscrew the cap from the tube.

Turn the cap upside down, insert the sponge into the tube and close tightly.

Invert the capped tube and shake vigorously 15 times.

[†] For complete OG-575 collection instruction, please go to <http://www.dnagenotek.com/ROW/support/ciOG575.html>. Oragene®-DNA and ORAcollect®-DNA are not available for sale in the United States.

Some DNA Genotek products may not be available in all geographic regions.

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Product specifications

	OG-500, OG-510, OG-575 and ON-500	OCR-100 [‡]
Pre-use with packaging		
Dimensions	14.0 x 8.0 x 2.8 cm	7.6 x 22.8 x 2.2 cm
Weight	39 g	10 g
Shelf-life	30 months	30 months
Post sample collection specifications		
Standard false bottom tube		
Tube diameter	16 mm	15.8 mm
Tube height (without cap)	93 mm	96.5 mm

[‡] RC-1 Replacement caps are available as an accessory for storage of the remaining sample after an aliquot has been taken from the sample and the double ended cap has been removed and discarded.