

## DNA from Saliva EASY • PAINLESS • PROVEN

### Collect superior samples for your animal research

All genetic research and testing starts with the collection of DNA samples. Blood sample collection is invasive, requires stringent ethics approval and blood is difficult to ship, store and process. Buccal swabs provide a low quality and quantity of DNA, typically resulting in failed samples and a requirement to recollect, incurring additional cost, effort, and time.

Eliminate these challenges by collecting superior samples with Oragene•ANIMAL.

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

*"Your Oragene•ANIMAL kits are amazing and I would use them over buccal swabs or blood anytime."*

- Katherine Mitsouras, Ph. D., Western University of Health Sciences

All-in-one system for the collection, stabilization, transportation and preparation of DNA from saliva.

Catalog #: OA-400

For more information contact  
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## Benefits

- Collect high quality, high quantity DNA
- Improve animal well-being and facilitate ethical approvals with painless and non-invasive sample collection
- Easy-to-use and reliable for use by pet owners or trained professionals in any collection environment: in the clinic, in the field or at home
- Increase the number of samples collected and reduce collection cost and complexity by sending kits via the mail - no special shipping or handling is required
- Increase compliance and eliminate costly and inconvenient clinic visits required for a blood draw
- Decrease cost and complexity of sample management with room temperature stability of samples
- Proven performance on a wide range of downstream applications, including microarrays
- Collect sufficient DNA for research and biobanking

## Collection Method Comparison

	Blood Collection	Oral Sample Collection	
Attributes	Venous Blood	Buccal Swabs	Oragene•ANIMAL
Non-invasive	✗	✓	✓
Standardized format for high throughput processing	✓	✗	✓
Specimen stability at room temperature	Weeks	Days	Months
Low bacterial content	✓	✗ <sup>†</sup> (up to 90% bacterial content)	✓ <sup>††</sup> (median bacterial content 16.1%)
Median DNA yield	3 µg/100 µL <sup>†††</sup>	1-2 µg total for 3 buccal swabs <sup>†††</sup>	11.6 µg per sample <sup>††</sup>
Molecular weight	>23 kb	< 23 kb	>23 kb
No special shipping or handling required	✗	✓	✓

<sup>†</sup> Birnboim, H.C., Iwasio, R.M., James, C.M.P. (2008) Human Genomic DNA Content of Saliva Samples Collected in Oragene•DNA. DNA Genotek Technical Bulletin PD-WP-011

<sup>††</sup> Iwasio, R.M., James C.M.P., Niles, J., (2009) Quality, Yield, Performance and Bacterial Content of DNA from canine saliva collected and purified using Oragene•ANIMAL. DNA Genotek Technical Bulletin PD-WP-014

<sup>†††</sup> Melanie Lee Chang, Rebecca Lee Terrill, Maria M. Bautista, Elaine J. Carlson, Donna J. Dyer, Karen L. Overall and Steven P. Hamilton, (2001) Large-Scale SNP Genotyping with Canine Buccal Swab DNA, Journal of Heredity 2007:98(5):428-437

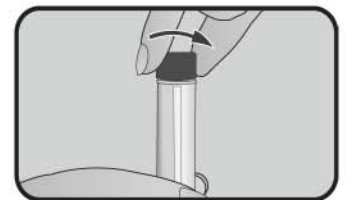
## Collection Instructions



Collect saliva by placing 2 sponges in the animal's mouth



Place both sponges in the tube



Close the tube to protect and stabilize the saliva sample

## Product Specifications

With packaging

- Dimensions: 10.2 x 22.9 x 1.7 cm
- Weight: 13 g

## Post Sample Collection Specifications

- Tube Diameter: 16.85 mm
- Tube Height (without cap): 120 mm
- Weight (with cap and sponges): 13 g



**DNA genotek**

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