

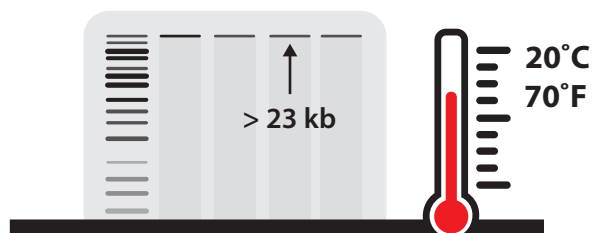
Your partner, from collection to discovery

Collect



Increase donor compliance

Stabilize



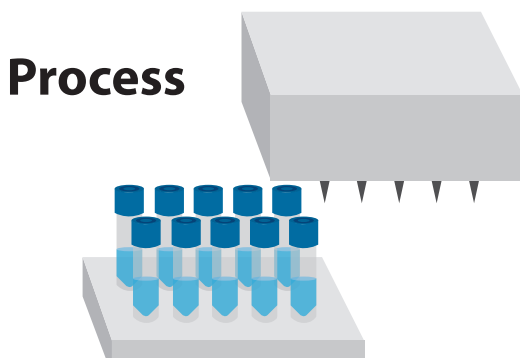
Protect sample integrity

Transport/store



Decrease costs and complexity

Process



Optimize laboratory workflow

Analysis and reporting



Ensure accurate data

Go to market



Customize sample packaging

ACCELERATE
your DISCOVERY

DNAgenOTEK™

Diversigen®

DNAgenOTEK™

Diversigen®

Proven in **3,000+** publications



Request a free trial of collection kits.
dnagenotek.com



- ¹ Impact of population and laboratory methods on DNA yield and variability. DNA Genotek. PD-WP-00031.
 - ² DNA yield with an Oragene self-collection kit. DNA Genotek. PD-WP-001.
 - ³ Non-invasive, assisted collection of high quantity and quality genomic DNA from saliva of young children. DNA Genotek. PD-WP-018.
 - ⁴ Stability and yield of RNA collected from saliva using Oragene®-RNA for expression analysis. DNA Genotek. PD-WP-008.
 - ⁵ Collect superior samples for molecular detection of microbial DNA. DNA Genotek. PD-BR-00053.
 - ⁶ OMNIgene-ORAL stabilizes microbial DNA profiles in oral fluid samples, enables more precise characterization of oral flora. DNA Genotek. MK-00090.
 - ⁷ All-in-one system for the collection and rapid stabilization of microbial nucleic acids. DNA Genotek. PD-BR-00057.
 - ⁸ OMNIgene-GUT stabilizes the microbiome profile at ambient temperature for 60 days and during transport. DNA Genotek. PD-WP-00042.
 - ⁹ OMNIgene-GUT enables reliable collection of high quality fecal samples for gut microbiome studies. DNA Genotek. WP-00040.
 - ¹⁰ Anderson, E.L. et al. A robust ambient temperature collection and stabilization strategy: Enabling worldwide functional studies of the human microbiome. Sci Rep 6, 31731; doi:10.1038/srep31731 (2016).
 - ¹¹ Urinary biomarkers for cancer detection and monitoring per cancer type. Novosanis. 2018-11A.
 - ¹² Pattyn, J. et al. Human papillomavirus detection in urine: Effect of a first-void urine collection device and timing of collection. Journal of Virology Methods, 264: 23-30 (2018).
- Some DNA Genotek™ products may not be available in all geographic regions.
¹³ For research use only, not for use in diagnostic procedures.
¹⁴ Expected yield is dependent on donor draw volume and chosen extraction method.
¹⁵ OMNIgene®-GUT (OM-200) and Oragene (OG-500/OG-575/OG-600/OG-675) are CE marked for In Vitro Diagnostic Use and not available for sale in the U.S.A.
¹⁶ Oragene®-Dx has been cleared for in vitro diagnostic use in the U.S.A. and is FDA cleared for prescription and direct-to-consumer use.
¹⁷ Oragene, OMNIgene, ORACollect and prepliT are registered trademarks and GenoFIND is a trademark of DNA Genotek Inc.
¹⁸ ColliPee is a registered trademark of Novosanis.
¹⁹ Diversigen is a subsidiary of OraSure Technologies, Inc., all rights reserved.
 All other brands and names contained herein are the property of their respective owners.
 Patent (www.dnagenotek.com/legalnotices)

Powering multiomics discovery

Collection kits and services

ORagene®

ORACollect®

OMNigene®

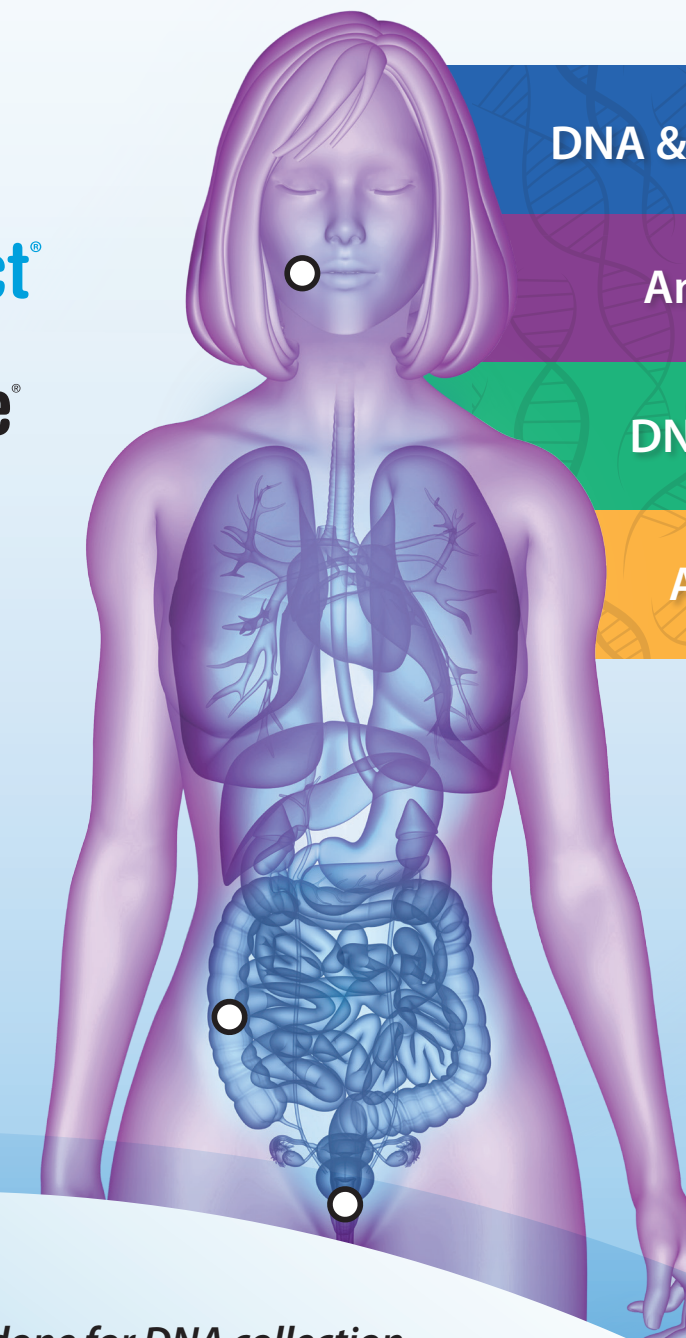
Colli-Pee®

DNA & RNA self-collection

Ambient stabilization

DNA & RNA extraction

Analysis & reporting



Superior samples • Proven performance

"[DNA Genotek] has done for DNA collection what Google did for web searches; made it ridiculously simple and efficient." Time Magazine

Human Genomics

High quality DNA from saliva proven on:

- Sequencing (targeted and whole genome)
- Microarrays
- SNP genotyping
- HLA typing

	Self collection and stabilization kits			
	ORagene ^{††}	ORacollect [*]	ORagene-RNA [*]	
	OG [†] / OGR-500	OG [†] / OGR-575	OC-175	RE-100
	OG [†] / OGR-600	OG [†] / OGR-675		
Application	Maximum DNA for research and banking	Maximum DNA for assisted collection	Maximum DNA for newborns	Maximum RNA for research
Collected sample size	2 mL saliva	0.75 mL saliva via sponge	Oral sample via sponge	2 mL saliva
Median yield**	110 µg DNA ^{1,2}	17.3 µg DNA ³	Up to 2 µg DNA	23.4 µg total RNA ⁴
A _{260/280} ratio	1.6 - 1.9	1.6 - 1.9 ³	1.6 - 1.9	>1.8
Molecular weight	>23 kb	>23 kb	>23 kb	N/A
Stability at ambient temperature (15°C–30°C)	Years	Years	1 Year	60 days
Genomic services	Extraction, SNP or microarray genotyping, targeted or whole genome sequencing			
Sample prep	Ethanol precipitation reagent			



"Oragene/saliva samples are of equal quality to DNA from blood, and unlike blood, these samples are stable at room temperature."

Kadlubar, S., University of Arkansas



Collect at home



Point-of-care

DNAgenOTEK™ Sample collection kits and end-to-end services

It all starts with the right sample

- ✓ All-in-one kits (collect, stabilize, transport, store)
- ✓ High quality DNA and RNA
- ✓ Easy, reliable collection improves recruitment
- ✓ Transport and store at ambient temperature
- ✓ Compatible with high-throughput processing
- ✓ Proven on sequencing (targeted and whole genome)

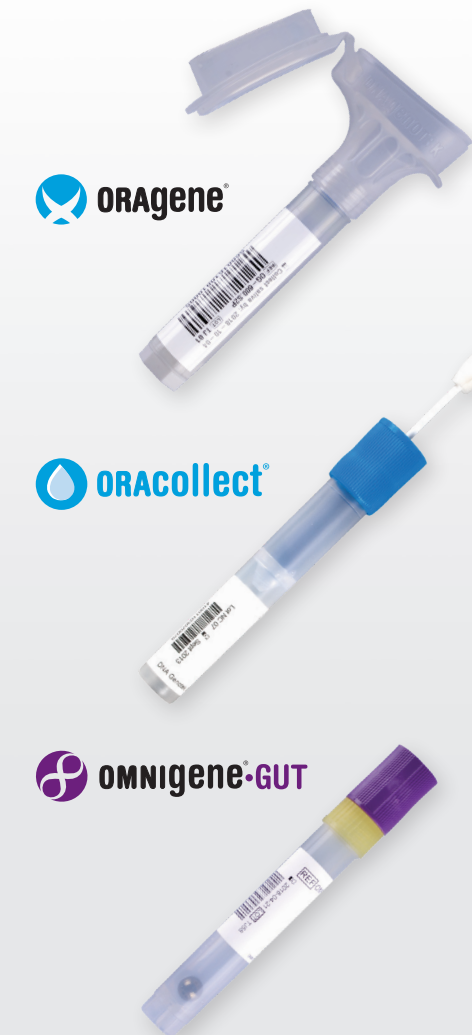
Services to accelerate discovery

- ✓ CLIA/CAP accredited lab
 - DNA/RNA extraction (any sample type)
 - Sequencing
 - Genotyping
 - Microarrays
- ✓ Expert analytics for genomics and microbiome
- ✓ Regulatory expertise (FDA^{††}, CE IVD[†])
- ✓ Custom sample packaging

NEW

Easy self-collection of first-void urine

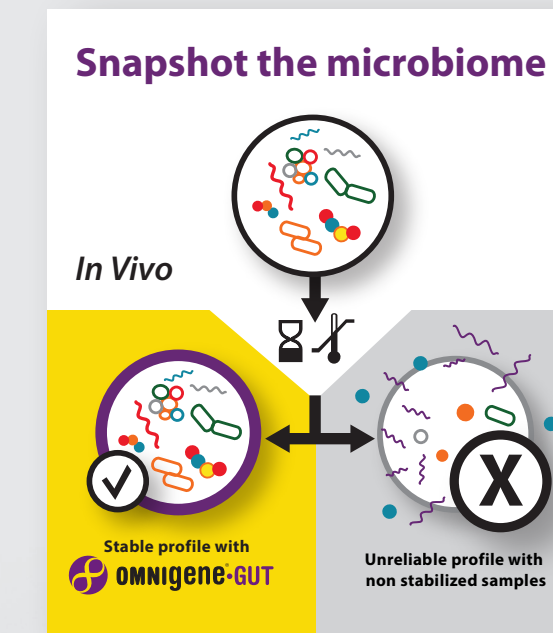
- ✓ Volumetric and standardized sample
- ✓ Improves detection of cancer biomarkers¹¹ and sexually transmitted infections (STI's)¹²
- ✓ Non invasive alternative to blood for molecular genetics



Microbiome

Collect microbial nucleic acids for quantitative microbiome analysis

	Self-collection and stabilization kits				
	OMNigene-ORAL [*]		OMNigene-GUT [†]	OMNigene-VAGINAL [*]	
	OMR-110	OMR-120	OM-501 OM-505	OM-200 [†] OMR-200 [†]	OMR-130
Collection site	Gums and plaque	Tongue	Saliva	Stool	Vagina
High quality nucleic acids	DNA & RNA	DNA & RNA	DNA DNA & RNA	DNA	DNA & RNA
Microbiome profile stability at ambient temperature (15-25°C)	4 weeks	4 weeks	1 year ⁵ 3 weeks ^{6,7}	8 weeks ⁸	4 weeks
Number of extractions per kit	2	2	8	8 ⁹	2
Microbiome services	Variable depth shotgun metagenomics, world-leading 16S sequencing, 18S rRNA and ITS sequencing, genome sequencing of bacterial and viral isolates, viral metagenomics sequencing, absolute quantification, Q-PCR assay development				



"(OMNigene-GUT) provides a robust, reproducible workflow that enables standardized global collection, storage, and analysis of stool for microbiome studies."

Anderson, E.L. et al, Human Longevity, Inc.¹⁰



We offer microbial profiling of all sample types, including a broad range of high, medium and low microbial biomass sample types (from human, animal and environmental samples) for medical, pharmaceutical and academic research.