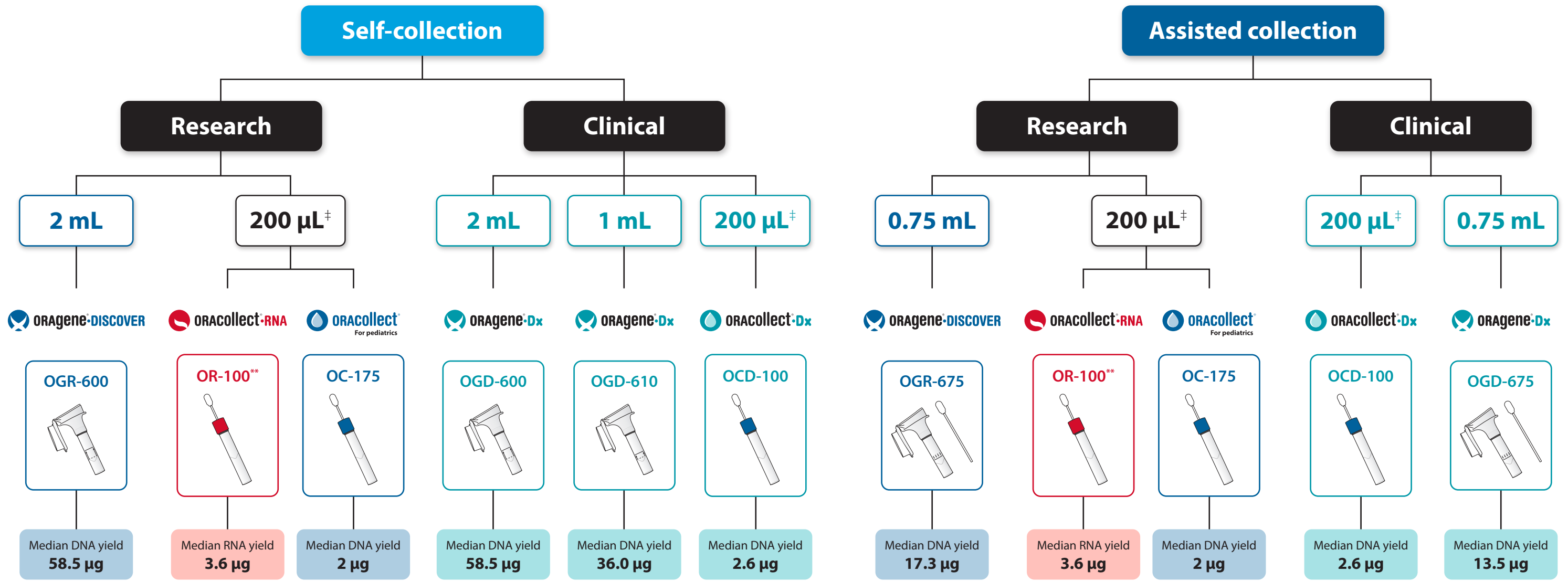


Some DNA Genotek products may not be available in all geographic regions.
 ** ORACollect-RNA is only available in the United States for use under Emergency Use Authorization (EUA).

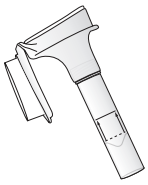
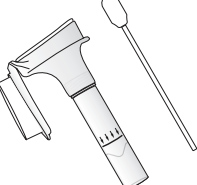
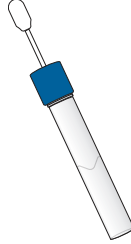
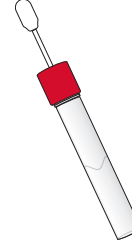
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 MK-01996 Issue 3/2022-08

Human genomics products by sample collection method



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 ‡ Saliva volume varies, expected total sample recovery (including stabilizing solution) is 600-750 µL.

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| | Oragene series | | ORAc collect series | |
|---|--|---|--|---|
| | OGR-600* | OGR-675* | OC-175 | OR-100** |
| |  |  |  |  |
| Volume of chemistry | 2 mL | 0.75 mL | 1 mL | 1 mL |
| Volume of saliva | 2 mL | 0.75 mL | 200 µL‡ | 200 µL‡ |
| Compatible extraction methods† | prepIT®•L2P, prepIT®•Q2A | prepIT®•L2P, prepIT®•Q2A | prepIT®•L2P, prepIT®•Q2A | RE-2LN, third-party extraction kits |
| Molecular weight | >23 kb | >23 kb | >23 kb | >23 kb |
| Median yield ^{1,2,3} | 58.5 µg DNA | 17.3 µg DNA | 2 µg DNA | 3.6 µg RNA |
| Ambient temperature sample stability | 5 years | 5 years | 1 year | 60 days |
| Product benefits | <ul style="list-style-type: none"> • High-quality, high-quantity DNA • Equivalent to blood for DNA analysis • Painless and reliable self- or assisted-collection • DNA is stable for years at ambient temperature • Compact tube design with 1D barcode, optional 2D bottom barcode and anti-rotation features to enable automated workflows • Proven on SNP, microarray, and targeted and whole genome sequencing | | <ul style="list-style-type: none"> • Fast, easy and reliable DNA and RNA sample collection in a clinic or at home • DNA and RNA are stabilized at ambient temperature and can withstand fluctuations ranging from -20°C to 50°C during collection and transportation • Flexible sample processing with seamless integration into existing high-throughput automated workflows • Suitable for pediatric and adult sample collection | |

* Original 500 series available upon request; details can be found at <https://dnagenotek.com/US/products/collection-human/collection-kits-for-diagnostics.html>.

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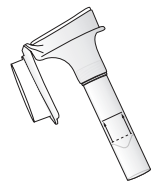
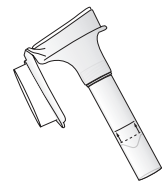
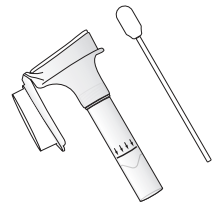
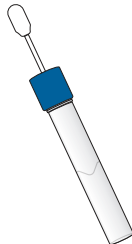
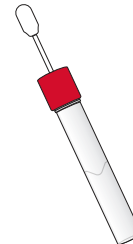
† Oragene and ORAc collect family of products is compatible with most third-party purification and extraction protocols.

‡ Saliva volume varies, expected total sample recovery (including stabilizing solution) is 600-750 µL.

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 Comparison of DNA from samples collected using ORAc collect®-DNA (OCR-100) vs. buccal swabs. DNA Genotek. PD-WP-00021

| | Oragene series | | | ORAc collect series | |
|--------------------------------------|--|---|---|--|---|
| | OGD-600* | OGD-610* | OGD-675* | OCD-100 | ORE-100** |
| |  |  |  |  |  |
| Volume of chemistry | 2 mL | 1 mL | 0.75 mL | 1 mL | 1 mL |
| Volume of saliva | 2 mL | 1 mL | 0.75 mL | 200 µL [‡] | 200 µL [‡] |
| Compatible extraction methods | prepIT [®] •L2P | prepIT [®] •L2P | prepIT [®] •L2P | QIAGEN [®] QIAamp [®] DNA Mini Kit | RE-L2N, third-party extraction kits |
| Molecular weight | >23 kb | >23 kb | >23 kb | >23 kb | >23 kb |
| Median yield | 58.5 ± 47.0 µg DNA ¹ | 36.0 ± 41.1 µg DNA ² | 13.5 ± 8.8 µg DNA ³ | 2.6 µg DNA ⁴ | 3.6 µg RNA |
| Ambient temperature sample stability | 1 year | 1 year | 1 year | 60 days | 60 days |
| Product benefits | <ul style="list-style-type: none"> • High-quality, high-quantity DNA • Equivalent to blood for DNA analysis • Painless and reliable self- or assisted-collection • DNA is stable for years at ambient temperature • Compact tube design with 1D barcode, optional 2D bottom barcode and anti-rotation features to enable automated workflows • Proven on SNP, microarray, and targeted and whole genome sequencing | | | <ul style="list-style-type: none"> • Fast, easy and reliable DNA and RNA sample collection in a clinic or at home • DNA and RNA are stabilized at ambient temperature and can withstand fluctuations ranging from -20°C to 50°C during collection and transportation • Flexible sample processing with seamless integration into existing high-throughput automated workflows • Suitable for pediatric and adult sample collection | |

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‡ Saliva volume varies, expected total sample recovery (including stabilizing solution) is 600-750 µL.

1 Data obtained by testing 450 samples from 245 individuals.

2 Data obtained by testing 45 samples from 45 individuals.

3 Data obtained by testing 43 samples from 43 individuals.

4 Data obtained by testing 156 donors; DNA was extracted using the QIAamp[®] DNA Mini Kit (QIAGEN[®]).