# Extracting DNA

## Saliva sample extraction made easy

prepIT™•L2P

To acquire high-quality DNA for genetic testing and analysis from saliva samples, a consistent and standardized extraction process is critical. Maximize DNA recovery using the prepIT™•L2P reagent, a cost-effective ethanol precipitation-based method.

- Consistently provides high molecular weight and high-quality DNA from saliva collected using ORAcollect™ and Oragene™ saliva collection devices
- Higher DNA recovery than column or magnetic bead-based extraction methods
- Extracted DNA is suitable for a wide range of downstream applications, including PCR, microarray, sequencing and biobanking for future use
- Highly economical compared with other leading extraction options, based on actual market prices


Available in two sizes: 5 mL for 200 extractions or 45 mL for 2,000 extractions, where 1 sample preparation requires a 0.5 mL sample volume.

**Convenient workflow with few steps**

**Minimal consumable waste**

**Best-in-class technical support available**

| | prepIT™•L2P reagent | Column/bead-based competitor |
|---|---|---|
| **Mechanism** | Precipitation | Silica adsorption |
| **Yield**[1] | High (recovers ~ 100% of DNA) | Medium (recovers ~ 50%-70% of DNA) |
| **Quality**[2] | 260/280 ratio: > 1.6 | 260/280 ratio: > 1.7 |
| **Molecular weight**[3] | > 23 kb by agarose gel | ~ 15 kb by agarose gel |

**Learn more:**

1 Binding efficiency of columns and beads is not 100%.
2 Minor quality differences do not correlate with performance in downstream applications.
3 Spin columns shear DNA.

DNAgenotek™

CE IVD

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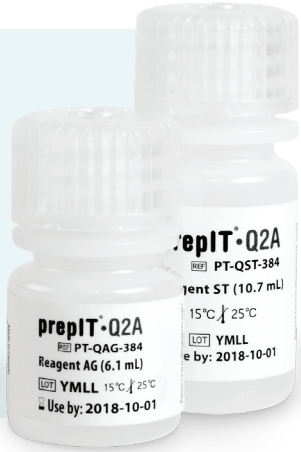
prepIT™•Q2A

For rapid, cost-effective preparation of DNA from saliva samples, use the scalable and automation-friendly prepIT™•Q2A reagent. This reagent offers a fast and effective solution for overcoming sample throughput challenges faced by laboratories.

- Offers optimized chemistry for liquid-based removal of inhibitors from saliva samples collected using ORAcollect™ and Oragene™ saliva collection devices
- Enables a quick-to-assay workflow — for scaling saliva sample processing
- Works with automated liquid handlers to increase efficiency
- Extracted DNA is suitable for PCR, microarrays[1] and sequencing[2]




### Streamlined processing for whole exome sequencing

Using prepIT™•Q2A reagent with ORAcollect™ or Oragene™ saliva collection devices provides a streamlined workflow for high-quality next generation sequencing library preparation and target enrichment — **from saliva sample to sequencer in under 8 hours.[2]**

**Collected saliva sample** → **Sample preparation** → Direct input, No quantification or normalization → **Library preparation and human exome panel**

ORAgene•Dx
ORAcollect•Dx

prepIT™•Q2A

**Learn more:**

1 DNA Genotek. (2019). Affymetrix® Axiom® Array performance using ORAcollect•DNA samples prepared with prepIT•Q2A: A new direct-to-assay method eliminating extraction, quantification and normalization. MK-01200.
2 DNA Genotek. (2024). prepIT™•Q2A: Streamlined processing of Oragene™•Dx and ORAcollect™•Dx saliva samples for whole exome sequencing. MK-AN-39.

IVD For In Vitro Diagnostic Use

DNAgenotek™

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