



Collection for Human DNA Analysis

Sample Collection Method Overview

- ✓ **Passive Drool**
- ✓ **SalivaBio Swabs**

+ Sample Collection Methods and Sample Volume

High quality DNA with sufficient yields to test hundreds of SNPs can be isolated from saliva samples at the Salimetrics DNA laboratory. Salivary oral swab (SOS) are preferred for DNA analysis, but passive drool and other Salimetrics collection devices can also yield high quality results.* DNA can also be obtained from samples that have been collected for testing of other analytes and from previously collected archived samples.

If samples were collected by passive drool please do not discard the pellet if genetic testing is desired.

Take care not to touch the swab or brushes with your fingers to avoid contaminating the DNA sample with nucleases.

+ Storing Saliva for DNA Analysis

DNA can tolerate storage at room temperature for up to 5 days without compromising the quality of the DNA for genetic testing. DNA also withstands multiple freeze-thaw cycles without a significant effect on the DNA quality.

If samples are to be tested for analytes in addition to DNA analysis, do not use a device containing DNA stabilizers that may interfere with Salimetrics assays. As a default, follow storage instructions for the most sensitive analyte (i.e., the hormone or biomarker) of interest. For genetic analysis alone and when long-term room-temperature storage is necessary, the Oragene•DNA® self-collection kit (OG-500) may be used.

+ Avoiding Contamination of Samples

To prevent contamination of saliva samples for DNA analysis, we recommend the following precautions in addition to those recommended for immunoassay testing collection:

1. Employ only single-use materials (disposable forceps, etc.) for sample collection/transfer to prevent possible contamination between research subjects.
2. Those researchers assisting with collections should wear gloves and avoid touching collection device materials and samples.

** If collecting samples for genotyping alone, we recommend collecting a second saliva sample as a backup.*

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