

Swab Collection and DNA Preservation System



Stabilize Genomic DNA Samples from Point-of-Collection

Compatible with commercial DNA isolation protocols

Optimized isolation procedure using Norgen's DNA Isolation System



- ✓ Collect from nasal, buccal, saliva, fecal, skin, surfaces, and more
- ✓ Completely stabilize genomic DNA samples from the point-of-collection
- ✓ High quality DNA is suitable for sensitive downstream applications: *PCR, qPCR, genotyping, (NGS sequencing, SNP analysis), microarrays, RFLP and more.*
- ✓ No need to immediately process samples: ship and store at ambient temperatures
- ✓ DNA preservation at room temperature for 6 years
- ✓ Renders sample non-infectious for safe and easy shipping

High Quality DNA Preserved for 75 Months at Room Temperature

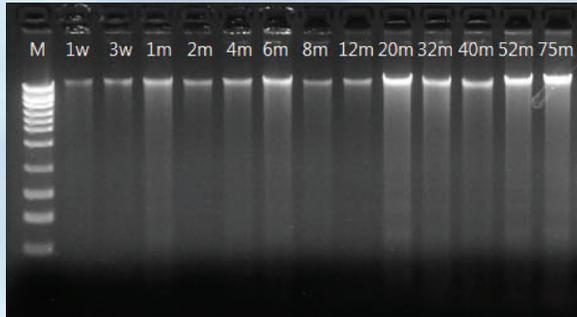


Figure 1. Stability of DNA Preserved in Norgen's Swab DNA Preservative at Room Temperature for up to 75 Months. Saliva samples were collected from numerous donors and mixed, and then an equal volume of Norgen's Swab DNA Preservative was added to the saliva. The preserved saliva was then stored at room temperature for up to 75 months. Saliva DNA was subsequently isolated at 1 week, 3 weeks, 1 month, 2 months, 4 months, 6 months, 8 months, 12 months, 20 months, 32 months, 40 months, 52 months and 75 months from 0.5 mL of the saliva/preservative sample using Norgen's Saliva DNA Isolation Kit (Cat. RU45400). For visual analysis, 100 μ L of the purified DNA was run on an agarose TAE gel. As it can be seen, there is no evidence of DNA degradation after the saliva samples are stored for 75 months at ambient temperatures in Norgen's Swab DNA Preservative. Furthermore, the size of the DNA was maintained over 24 kb for the entire 75 month period. M: Norgen's UltraRanger 1 Kb DNA Ladder (Cat. 12100).

High Quality Saliva DNA Preserved for Over 6 Years

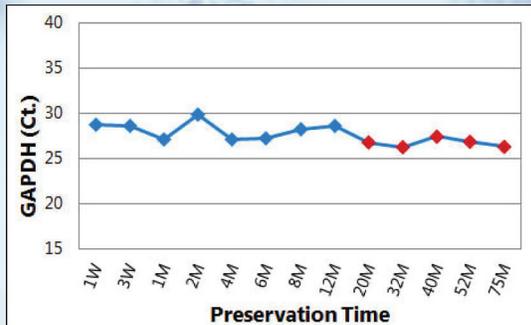


Figure 2. Detection of GAPDH Using Taqman Real-time PCR from the Saliva Samples Stored at Room Temperature from 1 Week Up to 75 Months. The quality of the saliva DNA stored at room temperature did not change from 1 week to 75 months, as indicated by the fact that the Ct values remained consistent. The improvement in the Ct values from the real-time PCR graph (red) also indicate the impact of the improved saliva DNA isolation method provided by the Saliva DNA Isolation Kit (Cat. RU45400).

Ordering Information

Description	Size	Cat. No
Swab Collection and DNA Preservation System	50 units	45690
Fecal Swab Collection and DNA Preservation System	50 units	45670
Saliva DNA Isolation Kit	50 preps	RU45400
Microbiome DNA Isolation Kit	50 preps	64100



For more information
SCAN HERE

Visit our website: www.norgenbiotech.com to view our complete line of reagents and innovative sample preparation kits.