

Saliva DNA Isolation Kit

CAT. RU45400, Dx45400

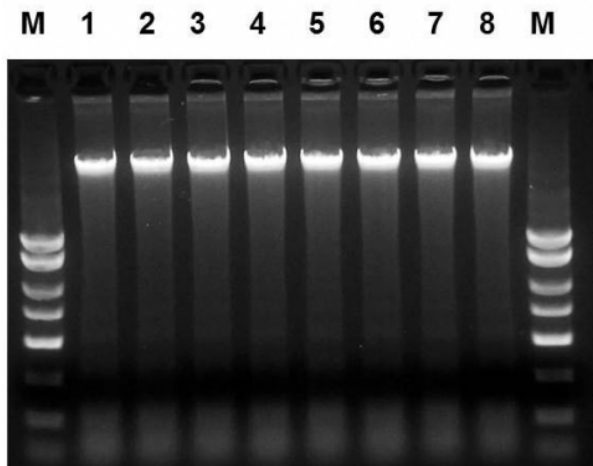
FOR THE RAPID PURIFICATION OF HIGH-QUALITY DNA FROM PRESERVED AND FRESH SALIVA SAMPLES



- ✓ Fast and easy processing using a rapid spin-column format
- ✓ Isolate high quality genomic DNA from fresh or preserved saliva samples
- ✓ Compatible with preserved saliva samples collected using Norgen's Saliva DNA Collection and Preservation Devices (Cat. RU49000)
- ✓ High quality DNA is Suitable for sensitive downstream applications including, PCR, qPCR, Southern Blot analysis, sequencing and microarray analysis



Advantages You Will Bring to Your Lab

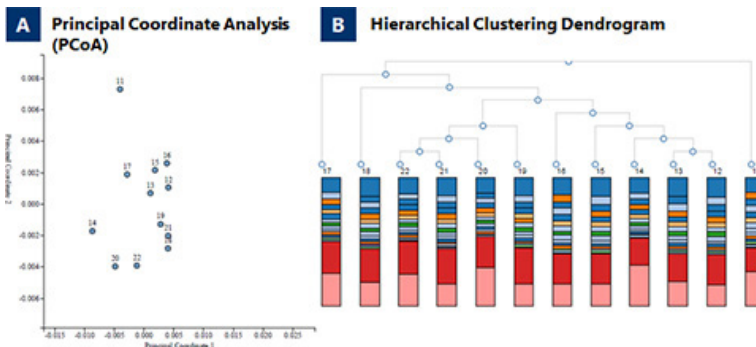
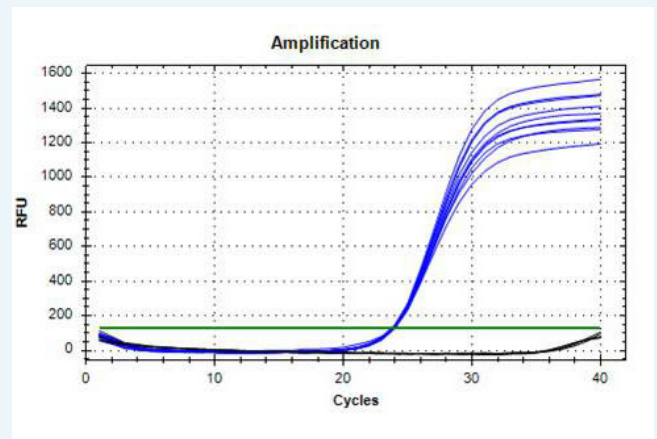


HIGH QUALITY AND QUANTITY OF DNA

Figure 1. High Quality and Yield of DNA from Saliva Samples. Total DNA was isolated from 250 μ L of eight different fresh saliva samples using Norgen's Saliva DNA Isolation Kit (Lanes 1-8). For evaluation, 10 μ L of each 100 μ L DNA elution was run on a 1.2 % agarose gel. Note the high yield and quality of the DNA in all lanes. Lane M: Norgen's Fast runner 1kb DNA Ladder (Cat. 12800).

CONSISTENT ISOLATION OF HIGH QUALITY DNA

Figure 2. Real-time PCR Consistency from Saliva Samples. Norgen's Saliva DNA Isolation Kit was used to isolate DNA from 250 μ L samples of fresh saliva. Ten samples were used from the same donor. From the 100 μ L elution, 5 μ L of saliva DNA was directly mixed to real-time PCR master mix (total reaction volume 20 μ L), and the real-time PCR reaction was performed. The GAPDH gene was successfully amplified from the different samples without any inhibition and at the same Ct, indicating the isolation consistency and the excellent quality of saliva DNA for downstream applications.



PERFECT COMPATIBILITY WITH SALIVA PRESERVED USING NORGENS TECHNOLOGY.

Figure 3. Illumina MiSeq 16s rRNA metagenomics data from saliva samples preserved for over 6 years using Norgen's Saliva DNA Collection and Preservation Devices (Cat.49000). The saliva DNA was isolated using Norgen's Saliva DNA Isolation Kit (Cat. RU45400) from saliva that had been preserved for various periods of time up to 6 years at room temperature. A) Principal Coordinate Analysis of 12 saliva microbiomes showing differences in the distribution of taxonomic classifications between samples up to kingdom level. B) Hierarchical clustering of 12 saliva microbiomes based on genus-level classifications, including a bar chart showing the relative abundance of genus-level classifications for each sample in the dendrogram.



TECHNICAL SPECIFICATIONS

Description	Specifications
Maximum Saliva Input	0.5 mL Preserved Saliva, 0.25 mL Fresh Saliva
Average Yield from 0.25 mL of Saliva*	3 - 7 μ g
Average Purity (OD260/280)	1.7 - 2.1
Time to Complete 10 Purifications	30 Minutes

* Average yield will depending on the donor

SELECT PUBLICATIONS

Publication Title	Authors	Journal	Year
Pursuing Dynamics of Minimal Residual Leukemic Subclones in Relapsed and Refractory Acute Myeloid Leukemia During Conventional Therapy	Dongchan Kim, Sheehyun Kim, Hyojin Song, Daehyeon Gwak, Suji Min, Ja Min Byun, Youngil Koh, Junshik Hong, Sung-Soo Yoon, Hongseok Yun, Dong-Yeop Shin	Cancer Medicine	2024
TAS1R3 and TAS2R38 Polymorphisms Affect Sweet Taste Perception: An Observational Study on Healthy and Obese Subjects	Monia Cecati, Arianna Vignini, Francesca Borroni, Sofia Pugnali, Sonila Alia, Jacopo Sabbatinelli, Giulia Nicolai, Marina Taus, Andrea Santarelli, Mara Fabri, Laura Mazzanti and Monica Emanuelli	Nutrients	2022

Ordering Information

Description	Preps	Cat. #
Saliva DNA Isolation Kit	50 Preps	RU45400
Saliva DNA Isolation Kit Dx CE	50 Tubes	Dx45400

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COLLECTION & PRESERVATION



EXTRACTION



APPLICATION

Related Products	Prep Size	Cat. #
Saliva DNA Collection and Preservation Devices	50 Devices	RU49000
Saliva DNA Isolation Kit (Magnetic Bead System)	50 Prep	RU55400
Norgen's Next Generation Sequencing Services	Call 1-866-NORGENB or Visit norgenbiotek.com	



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