Saliva DNA Collection & Preservation Devices

CAT. 49000, RU49000

FOR SIMPLE AND NON-INVASIVE SALIVA COLLECTION AND PRESERVATION OF DNA IN SALIVA SAMPLES AT AMBIENT TEMPERATURE

- Reliable and cost-effective
- Non-invasive, user-friendly sample collection and preservation in one convenient kit
- Preserved DNA is stable for 2 years at ambient temperature
- Compatible with most commercial DNA isolation methods including Norgen's Saliva DNA Isolation Kits (Cat. RU45400)
- Samples are non-infectious and can be handled and shipped safely
- Shipping accessories can be purchased separately
- High quality DNA is suitable for sensitive downstream applications including PCR, qPCR, sequencing, SNP analysis, microarrays, RFLP and Southern Blot Analysis

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ISO 9001:2015 CERTIFIED QUALITY · ISO 13485:2016 CERTIFIED QUALITY · GMP COMPLIANT

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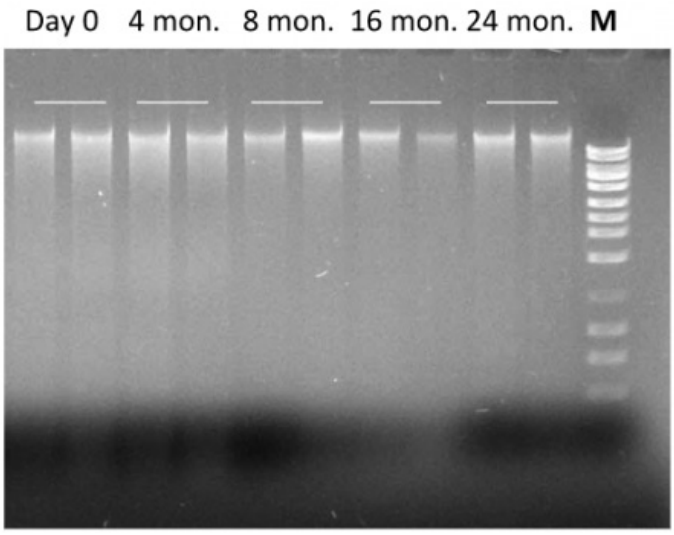
Advantages You Will Bring to Your Lab

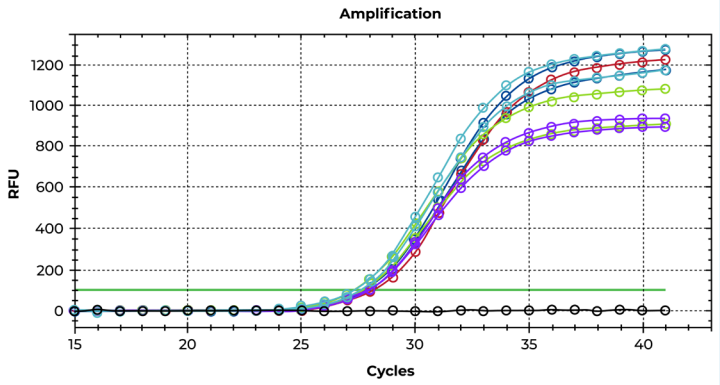


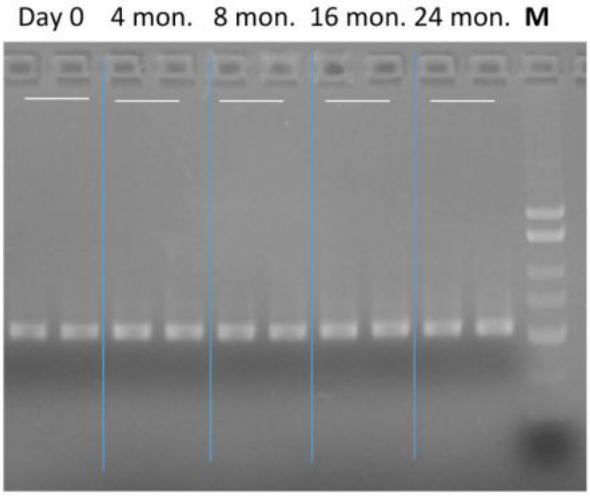
PRESERVE AND STABILIZE DNA FOR OVER 2 YEARS

Figure 1. Stability of DNA Preserved in Norgen's Saliva DNA Preservative at Room Temperature for over 2 Years. Saliva samples were collected from numerous donors and mixed, and then an equal volume of Norgen's Saliva DNA Preservative was added to the saliva. The preserved saliva was then stored at room temperature for up to 24 months. Saliva DNA was subsequently isolated at 4 months, 8 months, 16 months and 24 months from 0.5 mL of the preserved saliva sample using Norgen's Saliva DNA Isolation Kit (Cat. RU45400). For visual analysis, 10 µL 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 24 months at ambient temperatures in Norgen's Saliva DNA Preservative. Furthermore, the size of the DNA was maintained over 24 kb for the entire 24 month period. M: Norgen's UltraRanger 1 Kb DNA Ladder (Cat. 12100).

NO PCR INHIBITION AND CHANGE IN CT VALUE

GAPDH Real Time PCR Amplification using Saliva DNA from Saliva Samples Stored at Room Temperature from Day 0 up to 24 Months. All isolated saliva DNA samples were successfully amplified without any sign of PCR inhibition and difference in Ct. Red: Day 0, Blue: 4 months, Purple: 8 months, Green: 16 months and Sky blue: 24 months. Black: No template control.





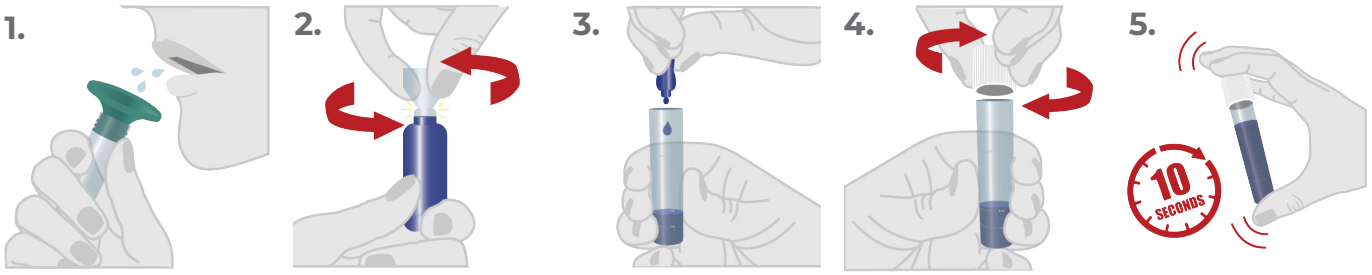
SUCCESSFUL TARGET SPECIFIC AMPLIFICATION OF VARIABLE 16S rRNA REGION

Figure 3. V3-V4 16s rRNA PCR amplification for Illumina MiSeq 16s rRNA library preparation. 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 2 years at room temperature in Norgen's Saliva DNA Preservative. The PCR result shows the clean PCR amplification at ~550 bp indicating the right target of V3-V4 16s rRNA , with no difference between day 0 and 24 months. M: FastRunner DNA Ladder (Cat. 12800).

Technical Specifications

Description	Specifications
Volume of Preservative in Ampoule	2 mL
Volume of Saliva Collected	2 mL
Average Yield of DNA from 1.0 mL*	4 mL
Preservation Temperature	Room Temperature
Preservation Time	Up to 2 years at room temperature

Donor Procedure



1. Spit into the collection funnel until the liquid saliva (not the bubbles) is in between the two lines in the collection tube (1-2 ml)
2. Twist and remove the tip of the preservative ampoule.
3. Squeeze the preservative ampoule to empty the entire contents into the collection tube.
4. Screw on the cap of the collection tube to close it tightly.
5. Shake well (for 10 seconds) to mix.

Technical Components

Description	Specifications
Individual Saliva DNA Collection and Preservation Devices	50
Donor Procedure Flowchart	1
Product Insert	1
Individual Saliva DNA Collection and Preservation Device Contents	
Saliva Collection Funnel and Collection Tube	1
Collection Tube Cap	1
Preservative Ampoule	1
Donor Instructions	1

Select Publications

Kim, Dongchan, et al. **"Pursuing Dynamics of Minimal Residual Leukemic Subclones in Relapsed and Refractory Acute Myeloid Leukemia during Conventional Therapy."** Cancer Medicine, vol. 13, no. 7, 2024, p. e7182. Wiley Online Library, https://doi.org/10.1002/cam4.7182.

Ordering Information

Description	Devices	Cat. #
Saliva DNA Collection and Preservation Devices Dx	50	49000
Saliva DNA Collection and Preservation Devices CE	50	RU49000

Related Products

Description	Prep Size	Cat. #
Saliva DNA Isolation Kit	50 Prep	RU45400
Microbiome DNA Isolation Kit	50 Prep	64100
Norgen's Next Generation Sequencing Services	Call 1-866-Norgenb or Visit norgenbiotek.com	

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