

Saliva DNA Isolation Kit Dx

Norgen's Saliva DNA Isolation Kit Dx provides a fast and simple procedure for isolating genomic DNA from saliva samples collected and preserved using Norgen's Saliva DNA Collection and Preservation Devices, as well as fresh saliva for subsequent *in vitro* diagnostic use. Purification is based on spin column chromatography. The genomic DNA is preferentially purified from other cellular components such as proteins and RNA. Saliva DNA can either be isolated from saliva samples collected and preserved using Norgen's Saliva Collection and Preservation Devices or fresh saliva samples.



This kit is designed to be used with any downstream application employing enzymatic amplification or other enzymatic modifications of DNA followed by signal detection or amplification. Any diagnostic results generated using the DNA isolated with Norgen's Saliva DNA Isolation Kit Dx in conjunction with an *in vitro* diagnostic assay should be interpreted with regard to other clinical or laboratory findings. To minimize irregularities in diagnostic results, suitable controls for downstream applications should be used.



Norgen's Saliva DNA Isolation Kit Dx is intended for use by professional users such as technicians, physicians and biologists experienced and trained in molecular biological techniques including DNA isolation.

Norgen's Saliva DNA Isolation Kit Dx does not provide a diagnostic result. It is the sole responsibility of the user to use and validate the kit in conjunction with a downstream *in vitro* diagnostic assay.

Kit Specifications			
Maximum Saliva Input	500 μ L preserved saliva 250 μ L fresh saliva	Average Purity (OD 260/280)	1.7 - 2.1
Average Yield from 0.25 mL of Saliva*	3 - 7 μ g	Time to Complete 10 Purifications	30 minutes

* Average yield will depend on the donor

Saliva DNA Isolation Kit Dx Benefits

Fast and easy processing		Rapid spin-column format allows for the processing of 10 samples in 30 minutes.
Compatible with Norgen's collection and preservation products		This product allows for the isolation of DNA from samples collected and preserved using Norgen's Saliva DNA Collection and Preservation Devices.
Sample collection is non-invasive and painless		Saliva offers an attractive alternative to blood or tissue for the isolation of human DNA samples for use in diagnostic applications.
High quality DNA		Purified DNA is of the highest quality and free from inhibitors, and can be used in downstream applications employing enzymatic amplification or other enzymatic modification of DNA followed by signal detection or amplification for <i>in vitro</i> diagnostic use.
CE Marked Product		This CE Marked kit is ideal for isolating DNA samples for <i>in vitro</i> diagnostic use.

Saliva DNA Isolation Kit Dx

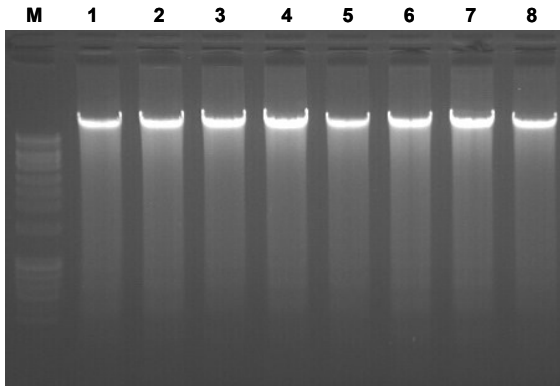


Figure 1. High Quality and Yield of DNA from Saliva Samples. Total DNA was isolated from 250 μ L of eight different saliva samples using Norgen's Saliva DNA Isolation Kit Dx (Lanes 1-8). For evaluation, 20 μ L of each 100 μ L DNA elution was run on a 1.0% agarose gel. Note the high yield and quality of the DNA in all lanes. Lane M: Norgen's HighRanger 1kb DNA Ladder.

Saliva DNA Isolation Kit Dx Contents

1. Lysis Solution
2. Proteinase K
3. Binding Solution
4. Wash Solution
5. Elution Buffer
6. Spin Columns
7. Collection Tubes
8. Elution tubes (1.7 mL)
9. Product Insert

Storage Conditions

All other solutions should be kept tightly sealed and stored at room temperature (15 – 25 $^{\circ}$ C). All solutions and plastics can be used until the expiration date specified on their labels.

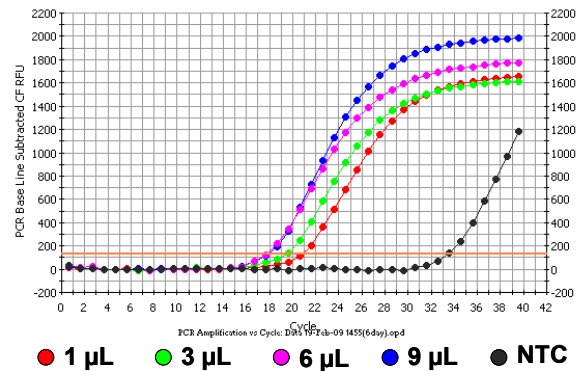


Figure 2. Detection of the Human 5S Gene using SYBR Green Real-Time PCR

Saliva DNA isolated from a 250 μ L saliva sample using Norgen's Saliva DNA Isolation Kit Dx was used as the template in a SYBR Green real-time PCR reaction to detect the human 5S gene. The DNA could be successfully amplified without any inhibition when 1, 3, 6 and 9 μ L of saliva DNA was used as the template, indicating the excellent quality of the purified DNA for use in downstream applications.

Customer-Supplied Reagents and Equipment

- Benchtop microcentrifuge
- Micropipettors
- Water (for rinsing of mouth)
- Norgen's Saliva DNA Collection and Preservation Devices (optional)
- 96-100% ethanol
- Isopropanol
- 55 $^{\circ}$ C incubator

Shipping Conditions

The Saliva DNA Isolation Kit Dx is shipped at room temperature.

Cat #	Description	Quantity
Dx45400	Saliva DNA Isolation Kit Dx	50 preps

NOTE: This product is not for sale in the United States

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