

Sputum DNA Collection & Preservation Products



**Rapid and Affordable Kits for Sputum
Collection, Liquefaction and DNA Purification**

Features

- ✓ Non-invasive, simple to perform sample collection
- ✓ Sample collection and preservation in one convenient kit
- ✓ Preserved DNA is stable for years at ambient temperature
- ✓ Compatible with most DNA isolation methods
- ✓ High quality DNA is suitable for sensitive downstream assays such as real-time PCR and detection of bacteria, fungi or viruses

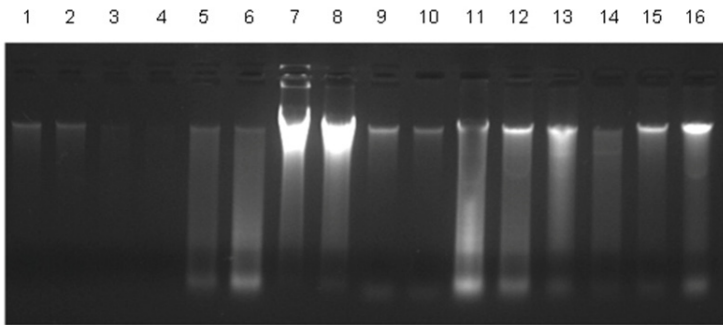


Figure 1. Consistent isolation of Sputum DNA.

Sputum samples were collected from 16 donors using the collection devices from Norgen's Sputum DNA Collection, Preservation and Isolation Kit, and the DNA was subsequently isolated using Norgen's Sputum DNA Isolation Kit. It is important to note that the yield of DNA in a typical sputum sample will vary greatly and is highly dependent on the health status of the donor. The DNA yields obtained using Norgen's kit were equal to or exceeding those of what is stated in the literature.

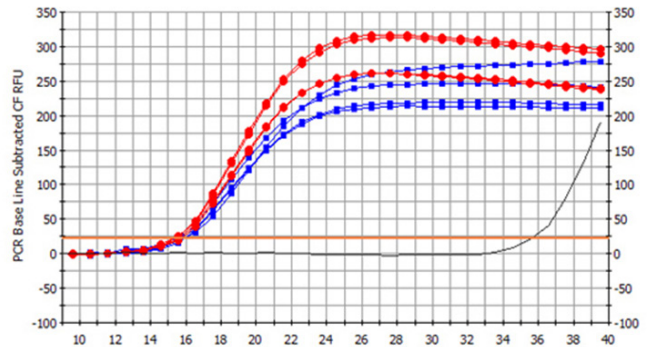
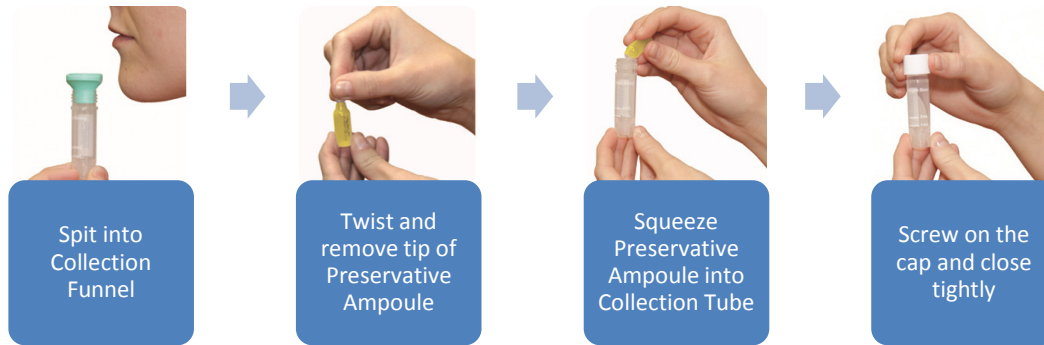


Figure 2. Real Time PCR Amplification of Sputum DNA.

Sputum samples were collected from donors using Norgen's Sputum DNA Collection, Preservation and Isolation Kit, and sputum DNA was subsequently isolated from the samples over time (0, 1 week, 2 weeks and 4 weeks) from samples stored at either room temperature or 55°C using the supplied protocol. DNA was then used as the template in a real-time PCR reaction with 5s gene specific primers. All samples showed successful amplification, indicating the high quality of the purified DNA from preserved samples. Sputum DNA is both preserved over time and is suitable for use in downstream detection assays including real-time PCR.



North American Toll-Free: 1-866-667-4362

Phone: 905-227-8848 Fax: 905-227-1061

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www.norgenbiotek.com

ISO 13485:2016 & ISO 9001:2015 Registered

Reliable and Cost-Effective Sputum Collection

Collection

Complete kit
Affordable collection
Non-invasive
Quick and simple
Collect, preserve and isolate sputum DNA with one convenient kit



Collection and Preservation Devices

Preservation

Included with every individual collection device

Convenient

Preserves sputum DNA for over 4 years at room temperature

Sputum is ready to ship with no need for immediate processing

Allows for subsequent isolation of DNA of excellent quality and integrity

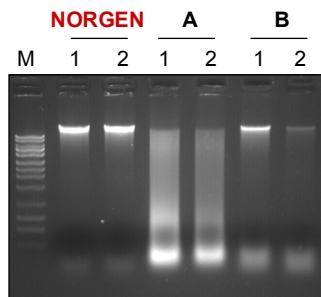


Fig. 1 Preservation of genomic DNA in sputum samples preserved for 4 weeks at 55°C.

Genomic DNA isolated from sputum samples preserved with Norgen's Sputum Preservative was high quality, intact genomic DNA, even following long term storage (equivalent to 1 year storage at ambient temperature).

Shipping

All shipping requirements in one convenient mailer

Includes leak-proof biohazard bags with adsorbent pads for enhanced safety

Complies to OSHA as well as IATA regulations



50 Mailers
Comprehensive Mailing Collaterals

See back page for complete ordering details.

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Eliminate the Challenges of Sputum Work

Sputum Liquefaction Buffer

Process even highly viscous sputum samples quickly and easily

Spin Column DNA Purification

Rapid spin-column kits provide high yield, high quality DNA for any application

Compatible with sputum preserved with Norgen's preservative, other preservatives or fresh sputum

DNA Purification with Alcohol Precipitation

Included with our Sputum DNA Collection, Preservation and Isolation Kit (Cat# RU46100)

Cost-effective alcohol precipitation method

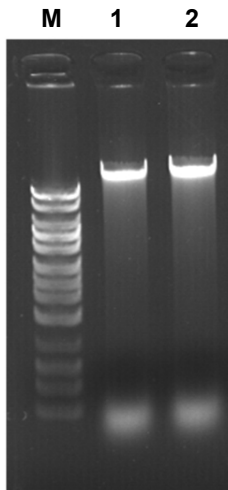


Fig. 2 Isolation of genomic DNA from sputum samples liquefied using Norgen's Sputum Liquefaction Buffer.



Includes all reagents and spin columns needed for rapid and efficient purification of sputum DNA.



Included with Sputum DNA Collection, Preservation & Isolation Kit Cat# RU46100.

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Ordering Information

Sputum DNA Collection and Preservation Kit

Kit	Description	Cat #
Sputum DNA Collection, Preservation and Isolation Kit	Norgen's Sputum DNA Collection, Preservation and Isolation Kit provides a simple and ready to use system for the collection, preservation and isolation of sputum DNA at ambient temperatures.	RU 46100 (50 devices)

Sputum Liquification

Kit	Description	Cat #
Sputum Liquifier (10 mL)	Norgen's Sputum Liquifier is designed for the liquification of viscous sputum samples prior to isolation of cells for microscopy or nucleic acids for molecular testing.	28289
Sputum Liquifier (10 x 10 mL pack)		28290

Sputum DNA Isolation Kits

Kit	Description	Cat #
Sputum Total DNA Isolation Kit	A complete solution for sputum liquification and purification of bacterial and eukaryotic DNA using rapid and convenient spin columns. Recovered DNA is ready for any application.	46200
Genomic DNA Isolation Kit	Rapid recovery of DNA from cells. Easy processing of cells from sputum.	24700
Bacterial Genomic DNA Isolation Kit	Rapid recovery of DNA from bacteria in sputum samples.	17900
Yeast Genomic DNA Isolation Kit	Rapid recovery of genomic DNA from yeast isolated from sputum samples.	18600

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