



Citations & References (1)

Invitrogen™

PureLink™ Microbiome DNA Purification Kit

The PureLink™ Microbiome DNA Purification Kit enables fast purification of high-quality microbial and host DNA from a wide variety [Read more](#)

Have Questions? [Contact Us](#)

Catalog Number	Quantity
A29790	50 Preps kit

Catalog number A29790

Price (MDL)
-

Contact Us

Quantity: 50 Preps kit

various samples.

Features of the PureLink Microbiome DNA Purification Kit include:

- Efficient lysis of all microorganisms (including durable species with thicker and more complex cell walls) by a combination of heat, chemical, and mechanical disruption with specialized beads
- Elimination of inhibitory compounds by precipitation using a novel cleanup buffer
- Streamlined protocols for numerous biological samples
- Recovery of high-purity DNA compatible with common downstream applications such as qPCR and next-generation sequencing

One kit to isolate microbial and host DNA from a diverse set of sample types

The PureLink Microbiome DNA Purification Kit minimizes the need to order individual kits for specific sample types because it has been optimized for use with a wide range of biological samples.

The kit enables microbial—and, where applicable, host—DNA purification from the following samples:

- Stool
- Urine
- Saliva
- Swabs (vaginal, buccal, skin, rectal, environmental)
- Transport media
- Growth media
- Soil

Analyzing the human microbiome

The human body is populated by 100 trillion bacteria, archaea, fungi, protists, and viruses, all of which play a fundamental role in our well-being. The term 'microbiome' refers to the various different microbes in those communities. Presently, their genes are the most straightforward method of identifying these organisms. Deviations from healthy microbial compositions have been linked to many human diseases, including inflammatory bowel disease, obesity, cancer, asthma, diabetes, and allergies.

Purification of the aggregate microbial DNA in a biological sample is a key step in understanding how the microbiome influences human health. It is of utmost importance that the DNA recovered accurately reflects the representation of the diverse microbes in the sample community. The mechanical disruption and triple lysis approach used in the PureLink Microbiome DNA Kit help ensure that microbial DNA from even the toughest samples, such as gram-positive bacteria found in stool, can be recovered—allowing you to identify the full spectrum of microbes present.

For research use only. Not for use in diagnostic procedures.

Specifications

Column Type	Spin Column
Elution Volume	50 to 200 µL
Final Product Type	Microbial and host DNA
For Use With (Application)	PCR, Southern blotting, sequencing, nucleic acid labeling, hybridization
High-throughput Compatibility	Not High-throughput Compatible (Manual)
Quantity	50 Preps kit
Sample Type	Microbial Culture, Saliva, Soil, Stool, Host DNA from Stool, Swabs (Buccal, Vaginal, Skin, Rectal, or Environmental), Cells, Food and Environmental

Starting Material Amount	Buccal/Vaginal/Skin/Rectal/Environmental Swab: 1 swab Microbial Culture: ≤5 mL Saliva: ≤2 mL Soil: ≤2 g Stool: ≤2 g Urine: ≤10 mL
Test Time	Up to 55 min. (Including sample homogenization)
Yield	≤25 µg
Isolation Technology	Silica Spin Column
Unit Size	Each

Contents & Storage

- 40 mL S1 Lysis Buffer; room temperature
- 5 mL S2 Lysis Enhancer; room temperature
- 12.5 mL S3 Cleanup Buffer; room temperature
- 45 mL S4 Binding Buffer; room temperature
- 13 mL S5 Wash Buffer (concentrated); room temperature
- 5 mL S6 Elution Buffer; room temperature
- 50 PureLink Columns with Collection Tubes; room temperature
- 100 PureLink Collection Tubes; room temperature
- 50 Bead Tubes; room temperature



Have questions about this product? Ask our AI assisted search.

Q Ask a question about this product.

What transport media is compatible with PureLink Microbiome DNA Purification Kit?

Which instrument is better for quantitation of purified DNA isolated using the PureLink Microbiome DNA Purification Kit?

Does the PureLink Microbiome DNA Purification Kit work for swab samples? Does it come with swabs?

What is the best way to preserve the microbiome samples before DNA isolation when using the PureLink Microbiome DNA Purification Kit?

When using the PureLink Microbiome DNA Purification Kit with stool samples, will we get both host and microbial DNA? If yes, what is the approximate percentage for each?

[Show more FAQs for this product](#)

Frequently asked questions (FAQs)

I am using the PureLink Microbiome DNA Purification Kit (Cat. No. A29790). When should I remove the swab? ▼

Does the elution buffer in the PureLink Microbiome DNA Purification Kit (Cat. No. A29790) contain EDTA? ▼

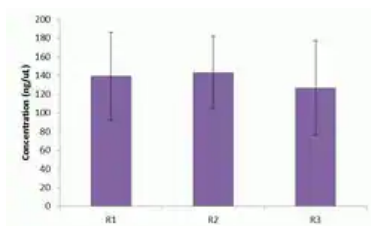
When using the PureLink Microbiome DNA Purification Kit with soil samples, I am getting less than 400 µL supernatant after lysis. Can you provide me with any suggestions? ▼

I am getting low yield using PureLink Microbiome DNA Purification Kit. How can I improve the yield? ▼

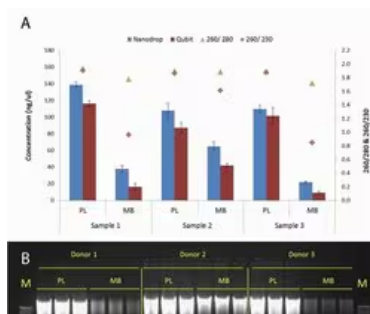
There are inhibitors in the isolated DNA from environmental samples using PureLink Microbiome DNA Purification Kit. Is there a way to rescue it and obtain good PCR results? ▼

[View all PureLink™ Microbiome DNA Purification Kit FAQs](#) >

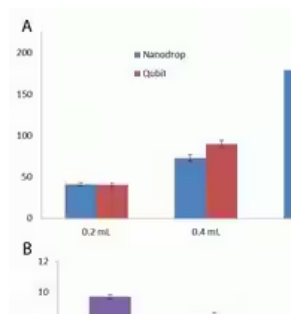
Figures



Purification of microbial and host DNA from rat feces



Purification of microbial and host DNA from human stool



Purification of bacterial DNA from culture media

Videos

Prepare lysate



Documents & Downloads

Certificates

Q Search by lot number or partial lot number

Search

0 results displayed, search above for a specific certificate

[Request a Certificate](#)

Safety Data Sheets



SDS

Product Information

Manuals



-  [User Guide: PureLink Microbiome DNA Purification Kit \(Soil Samples\)](#)
-  [User Guide: PureLink Microbiome DNA Purification Kit \(Stool Samples\)](#)
-  [User Guide: PureLink Microbiome DNA Purification Kit \(Host DNA from Stool Samples\)](#)
-  [User Guide: PureLink Microbiome DNA Purification Kit \(Rectal and Environmental Swab Samples\)](#)
-  [User Guide: PureLink Microbiome DNA Purification Kit \(Buccal, Vaginal, and Skin Swab Samples\)](#)
-  [User Guide: PureLink Microbiome DNA Purification Kit \(Transport Media and Microbial Culture Samples\)](#)
-  [User Guide: PureLink Microbiome DNA Purification Kit \(Saliva and Urine Samples\)](#)

Application Notes

[Application Note: The human microbiome in 2015—PureLink Microbiome DNA Purification Kit](#)[Application Note: Rapid 2-hour workflow for detection of select bacteria in stool samples](#)

Flyers

[Flyer: PCR enzymes and sample prep kits for microbiome research](#)

Citations & References (1)

Citations & References

Abstract

[Evaluation of a Highly Efficient DNA Extraction Method for Bacillus anthracis Endospores.](#)

Authors: Knüpfer M, Braun P, Baumann K, Rehn A, Antwerpen M, Grass G, Wölfel AR

Journal: Microorganisms

PubMed ID: 32443768

A variety of methods have been established in order to optimize the accessibility of DNA originating from *Bacillus anthracis* cells and endospores to facilitate highly sensitive molecular diagnostics. However, most endospore lysis techniques have not been evaluated in respect to their quantitative proficiencies. Here, we started by systematically assessing the ... [More](#)