

Recover large quantities of high-quality microbial DNA and RNA from difficult sample types with optimized sample-specific extractions

The OMNigene™ XTRACT ULTRA extraction kit is designed to extract high-quality DNA and RNA from a wide range of microbiome sample types, supporting microbiome innovation.

High yields of DNA and RNA from low biomass and difficult samples to power your research

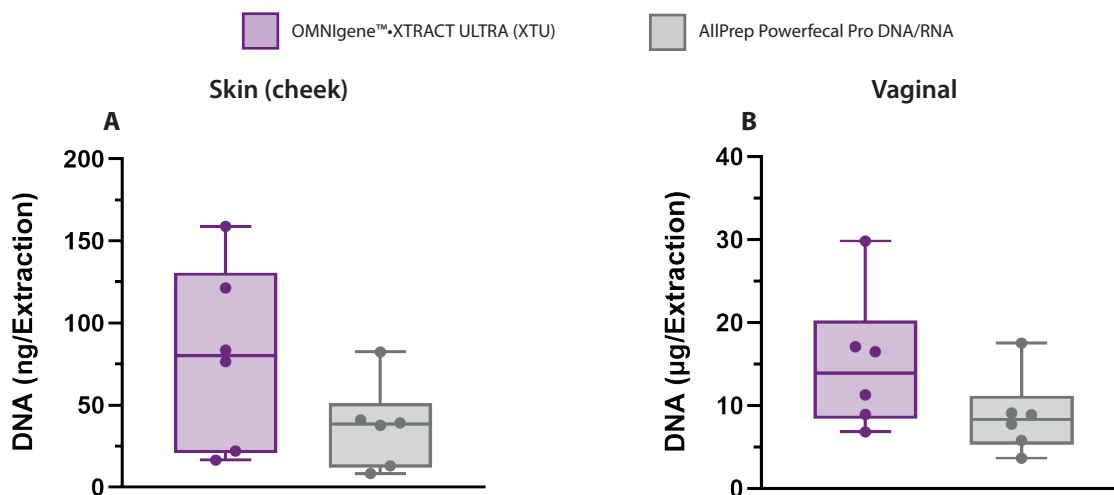


Figure 1. OMNigene™ XTRACT ULTRA recovers higher amounts of DNA than other commercially available extraction kits on the market. Samples from 6 to 8 healthy donors were collected in OMNigene™ devices (OMNigene™ VAGINAL and OMNigene™ SKIN) and aliquots were extracted using OMNigene™ XTRACT ULTRA and AllPrep Powerfecal Pro DNA/RNA Kit (QIAGEN, Cat. No. 80254). DNA yields recovered by the two extraction kits for each of the sites and donors are shown for (A) facial skin and (B) vaginal samples.

Extract total nucleic acids from a wide range of microbiome samples with optimized protocols that improve efficiency and minimize environmental impact



Optimized sample-specific protocols
Maximize research outputs with superior yields and high-quality analytes.



Safety
For a safer working environment, avoid using harsh chemicals, such as guanidinium, phenol or chloroform.



Minimal environmental impact
Environmentally friendly workflow developed to minimize plastic waste.



Improved efficiency
Reduced extraction times through optimized protocol steps, compared with other extraction kits.

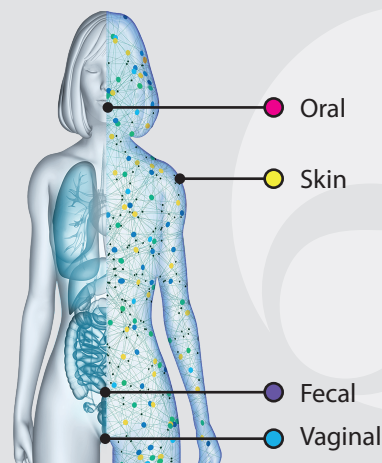


Table 1. DNA and RNA yields from a variety of microbiome samples extracted with OMNIGENE™ XTRACT ULTRA extraction kits. Data was generated from a group of 5-8 donors per sample type, as an example of DNA and RNA yields across sample types. Yields may vary due to biological variability.

Sample type	Recommended input volume into extraction	OMNIGENE™ XTRACT ULTRA average yields (min.-max.)	
		DNA	RNA
Skin (cheek)	1 mL	79.8 ng (16.6 ng-159.0 ng)	61.0 ng (12.5 ng-149.6 ng)
Skin (forearm)	1 mL	11.1 ng (5.9 ng-20.9 ng)	4.3 ng (1.8 ng-8.1 ng)
Saliva	500 µL	7.4 µg (0.4 µg-23.3 µg)	0.3 µg (0.1 µg-0.6 µg)
Vaginal	500 µL	15.1 µg (6.9 µg-29.9 µg)	1.2 µg (0.5 µg-2.3 µg)
Fecal	250 µL	7.9 µg (3.3 µg-12.4 µg)	1.3 µg (1.0 µg-2.5 µg)

Obtain high-quantity DNA and RNA from a range of sites, including low biomass and challenging samples

Unbiased lysis for accurate microbial profiles

ATCC skin microbiome whole cell mix

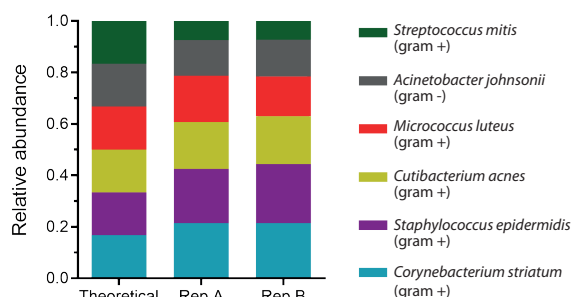


Figure 2. OMNIGENE™ XTRACT ULTRA extraction kits effectively lyse gram-negative and gram-positive bacteria while accurately capturing site-specific bacterial taxonomic profiles.

Kit contents and attributes

Number of extractions per kit	50
Optimized protocols for a wide range of sample types, including skin, vaginal, oral and fecal	✓
Efficient recovery of high-quality DNA and RNA	✓
Reduced extraction time compared with other methods	✓
Avoids the use of harsh chemicals	✓
Effective inhibitor removal	✓



To request trial kits or learn more about OMNIGENE™ XTRACT ULTRA kits, scan the QR code or visit www.dnagenotek.com/omnigenextractultra.



Some DNA Genotek products may not be available in all geographic regions.
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