



# SAMPIBIO DNA/RNA Extraction Kit

One solution. Faster workflows, better outcomes.



## Fast & Simple Workflow

- 10-minute extraction process
- No centrifugation or bead drying required
- Fully compatible with automation systems



## Room Temperature Stable

- No need for refrigerated storage
- Eliminates cold chain transportation requirements



## Alcohol-Free Formulation

- Simplifies transportation and storage - no hazardous materials
- Ensures consistent buffer composition
- No risk of volatile chemical evaporation
- Minimises the risk of downstream inhibition



## Versatile Nucleic Acid Extraction

- Single kit for both DNA and RNA extraction
- Works with host samples and a wide range of pathogens
- Compatible with DNA/RNA viruses, Gram-positive/ Gram-negative bacteria, and fungi



## Enzyme-Free Protocol

- No need for Proteinase K or lysozyme treatment
- No sample pretreatment required



## Eco-Friendly Design

- Reduces plastic usage by 40%
- Helps lower overall carbon footprint



## High Yield & Superior Performance

- Up to 90% nucleic acid recovery from samples
- Delivers high purity with minimal inhibition



## Ready-to-Use Convenience

- All reagent
- No prep

Sample Types	SAMPBIO Extraction Kit												
	Universal DNA/RNA	Whole Blood DNA/RNA	Nasal Swab DNA/RNA	Nasal Swab DNA	STD (Swab) DNA/RNA	Cell & DNA/RNA Tissue	Rectal Swab & Stool DNA/RNA	CSF DNA/RNA	FFPE DNA	cfDNA <sup>#</sup>	miRNA <sup>#</sup>	Soil DNA <sup>#</sup>	
Whole blood/Serum/Plasma	▲●◆	▲●◆								■	●		
Cultured Cell/Cell Media	▲●◆					▲●◆					●		
Tissue						▲●◆					●		
FFPE								▲					
Buccal Smear	▲●◆												
Saliva	▲●◆												
Nasal	▲●◆		▲●◆	▲●◆									
Urine	▲●◆									■			
Stool/Rectal swab						▲●◆							
Genito swab	▲●◆				▲●◆								
Wound	▲●◆												
Cerebrospinal fluid (CSF)							▲●◆						
Bacteria culture/media	●												
Soil												●◆	
Purified Exosome											●		

? Kit requires enzymatic treatment  
 ■ Under development

▲ Host gDNA    ● Host RNA    ■ cfDNA  
 ● Bacterial/Fungi DNA    ◆ Virus NA    ● miRNA

## Operating Steps (System)

High throughput in just 12-25 mins!



1 Dispense reagents & sample



2 Load plate into system



3 Run program

## Operating Steps (Manual)

Complete in 13 mins!



1 Dispense Lysis Buffer + sample



2 Incubate + Magnetize

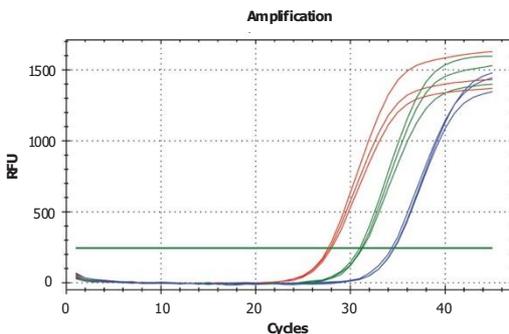


3 1st & 2nd wash



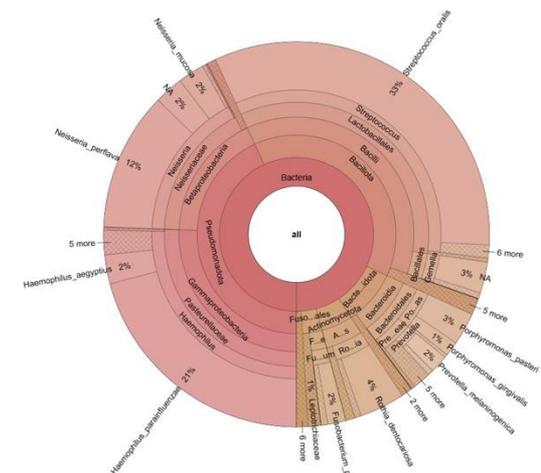
4 Elution with heat

## Downstream Applications



### Precision Amplification & Quantification

SAMPBIO extraction kit supports downstream nucleic acid amplification tests (NAAT) by providing rapid, streamlined extraction without compromising sample integrity. Notably, no inhibition was observed during amplification, ensuring reliable and efficient results every time.



### Massive Parallel Sequencing

SAMPBIO extraction kit is fully compatible with Massive Parallel Sequencing. The provided krona graph illustrates 16S amplicon sequencing results obtained from buccal swab samples. Analysis was performed on the sequencing data generated.

Contact us now to receive your complimentary full kit!

[solutions@sampibio.com](mailto:solutions@sampibio.com)

**SAMPBIO**