

## Manual

# Microbiome lysis kit

Additional set of reagents for microbiome DNA isolation from fecal and environmental samples (soil, activated sediment, compost) dedicated for:

- MagnifiQ™ Genomic series kits
- Genomic Mini Universal kit.

catalog #	size
604MK-50	50 isolations
604MK-100	100 isolations

For research use only.

### Guarantee

A&A Biotechnology provides a guarantee on this product.

The company does not guarantee the correct performance of this kit in the event of:

- not adhering to the supplied protocol
- use of not recommended equipment or materials
- use of other reagents than recommended or which are not a component of the product
- use of expired or improperly stored product or its components



## Advantages

- Complete lysis of both Gram-negative and Gram-positive bacteria and yeast enabling efficient DNA isolation process.
- Efficient removal of inhibitors.
- High quality DNA for subsequent metagenomic analyses.

## Description

**Microbiome lysis kit** is designed for isolation of microbial DNA from fecal and environmental samples (soil, activated sediment, compost) using the MagnifiQ Genomic series kits and Genomic Mini Universal kit. Cell lysis is the first and crucial step in successful DNA isolation. The aim of lysis is to quickly and thoroughly break down cells in a sample to release nucleic acids into the lysate. Application of a special set of solutions together with mechanical lysis by zirconia/silica beads ensures effective lysis of microbial cells present in the sample.

## Contents

component	50 isolations 604MK-50		100 isolations 604MK-100		storage
	quantity	cat #	quantity	cat #	
<b>Bead-beater tubes</b> (zirconia / silica beads)	50 pcs	K-PKCM-50	100 pcs	K-PKCM-100	15–25 °C
<b>L3P precipitation solution</b>	10 ml	K-L3P-10	20 ml	K-L3P-20	15–25 °C
<b>LSDE buffer</b>	30 ml	K-LSDE-30	60 ml	K-LSDE-60	15–25 °C
<b>antifoam</b>	1 ml	K-AYS-1	1 ml	K-AYS-1	15–25 °C

## Additional information

- Follow the manual for the MagnifiQ™ Genomic series kits or the Genomic Mini Universal kit, which can be downloaded from [www.aabiot.com/en](http://www.aabiot.com/en).



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