

ZR-96 BashingBead™ Lysis Rack (Barcoded)

For high throughput microbial disruption & sample tracking

- Barcoded for rapid accessioning and sample tracking
- Screw caps seal securely to prevent cross contamination
- Validated for complete lysis of tough bacteria & fungi



Product Description

The **ZR-96 BashingBead™ Lysis Rack (Barcoded)** is a 96-well microbial lysis rack which enables complete homogenization/lysis of tough-to-lyse bacteria, fungi, yeast, and other cells from a variety of sample types including feces, soil, sludge, saliva, swabs & other biological samples, making it ideal for microbial community profiling, pathogen detection and automated nucleic acid purification systems.

Intended Use

Microbial lysis prior to nucleic acid purification.

Compatible with:

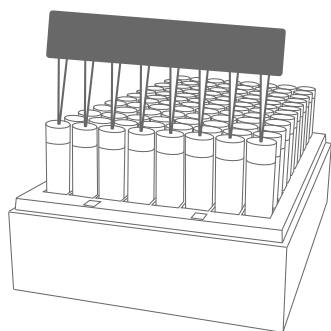
- ZymoBIOMICS 96 MagBead DNA Kit (D4306)
- ZymoBIOMICS 96 DNA Kit (D4307) or equivalent.

Specifications

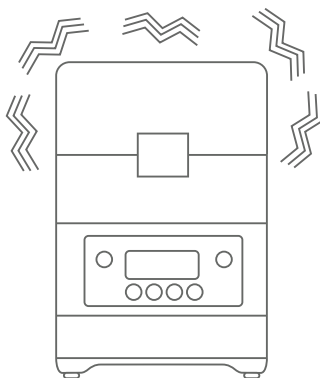
- Triple screw thread with septum provides a resistant barrier that prevents cross contamination.
- Each 1.0 mL tube contains a blend of BashingBeads™ for optimal sample lysis.
- All tubes feature a unique laser-etched 2D barcode and an optional 1D side barcode for convenient sample tracking.



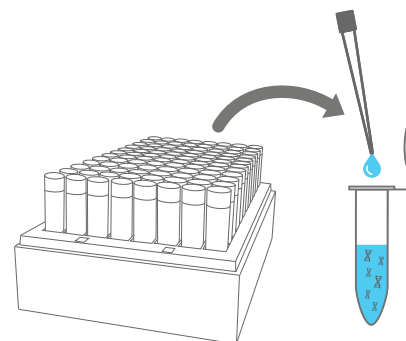
Product	Cat. No.	Size
ZR-96 BashingBead Lysis Rack (Single barcoded Tubes)	S6002-96-4	1 x 96
ZR-96 BashingBead Lysis Rack (Double barcoded Tubes)	S6002-96-5	1 x 96



1 Add sample



2 Bead beat



3 Extract nucleic acid

Instructions for Use:

1. Add sample to the tubes in the tube rack and adjust the final volume to 800 μ L with lysis buffer or DNA/RNA Shield™.
2. Attach a lysis rack baseplate (Cat. No. 3DP-1003) to the bottom of rack and secure in a 96-well bead beater. Process using optimized speed and time for your device (follow this link to see Optimized Lysis Protocols)

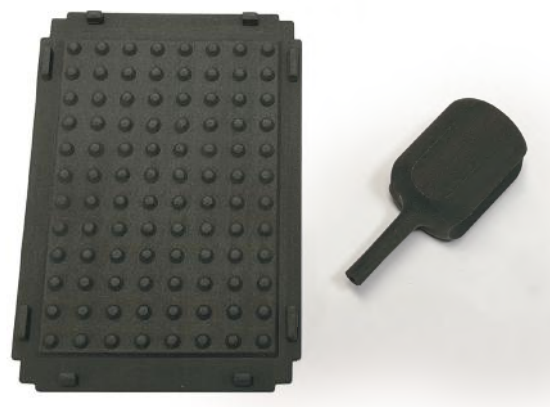
NOTE: If bead beating WITHOUT a baseplate, remove the lysis rack lid/cover, and secure in bead beater directly to immobilize individual tubes.

3. Centrifuge at $\geq 4,000 \times g$ for 5 minutes to pellet debris and transfer clear lysate to a deep well 96-well block and proceed with nucleic acid extraction according to the protocol.

Additional equipment for processing:

- Bead beater/bead homogenizer that accommodates Deep Well(96) Plate(s): (L x W x H)
128.0mm x 85.0mm x 57.0mm
- Optional screw cap capper/decapper, such as the automated Micronic 96 Screw Cap Recapper CS700 or semi-automated (8-channel) Cap Recapper CS500

NOTE: Screwdriver tool (Cat. No. 3DP-1004) included for manual de-capping.



Baseplate

Screwdriver tool

