

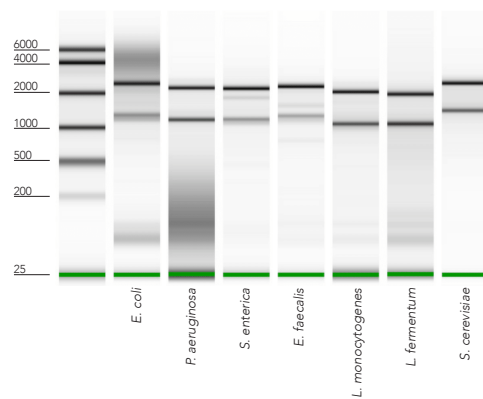
RNA from Any Environmental Sample

Quick-RNA™ Environmental Kits (microbes, plant, feces, soil, insect)

- **High Quality:** Extract intact high quality total RNA (including small/micro RNAs) from any environmental sample.
- **Homogenization:** Ultra-high density BashingBead™ technology for complete disruption and sample lysis.
- **Inhibitor-Free:** RNA is ready for all downstream applications including sequencing, RT-PCR, microarray, etc.

High-Quality RNA

High-quality total RNA was isolated from different microbial species including Gram-negative bacteria (*E. coli*, *P. aeruginosa*, *S. enterica*), Gram-positive bacteria (*E. faecalis*, *L. monocytogenes*, *L. fermentum*), and yeast (*S. cerevisiae*) using the Quick-RNA™ Fungal/Bacterial Miniprep Kit. RNA was visualized using the Agilent 2200 TapeStation® system.

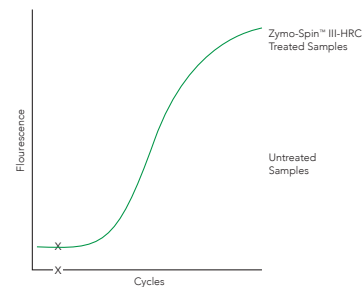


Complete Homogenization



State-of-the-art BashingBeads™ are ideal for disrupting tough-to-lyse organisms when paired with bead mills and high speed cell disrupters.

Inhibitor-Free



Quick-RNA™ Environmental Kits remove PCR inhibitors. RNA from a *Nicotiana* sp. leaf was spiked with humic acid, and RNA was isolated with and without the Zymo-Spin™ III-HRC Filter. RT-qPCR detected early amplification for the filter treated samples compared to the untreated samples ($c_p = 30$ vs. 31).

Product	Cat. No.	Size	Binding Capacity	Minimum Elution	Input Amount
Quick-RNA™ Fungal/Bacterial Miniprep Kit (for Gram-negative/positive bacteria, yeast, fungi)	R2014	50 preps	50 µg	25 µl	50 - 100 mg wet weight
Quick-RNA™ Plant Miniprep Kit (for leaves, stems, buds, flowers, fruit, seeds)	R2024	50 preps	50 µg	25 µl	≤ 150 mg
Quick-RNA™ Tissue/Insect Microprep Kit (for insect and arthropod specimens, tissues)	R2030	50 preps	10 µg	6 µl	≤ 10 mg
Quick-RNA™ Fecal/Soil Microbe Microprep Kit (for feces, soil, sludge, sediments)	R2040	50 preps	10 µg	6 µl	≤ 250 mg

