

ZymoBIOMICS™

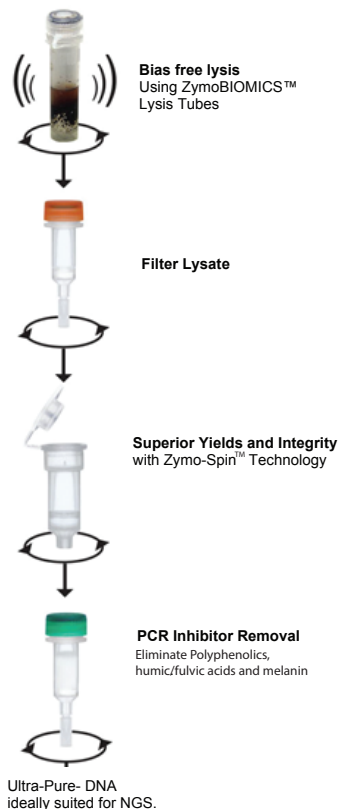
DNA Mini Kit

Highlights

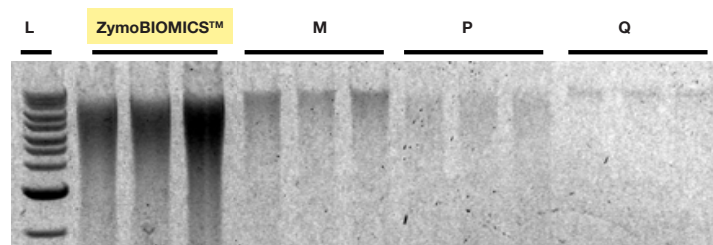
ZymoBIOMICS™ DNA Mini Kit

- Rapid, robust and simple DNA purification from any sample including feces, soil, water, biofilms, swabs, body fluid, etc.
- Innovative lysis system enables efficient and unbiased lysis of microbes including gram positive/negative bacteria, fungus, protozoans, and algae.
- Superior yields of ultra-pure DNA free of PCR inhibitors makes it ideal for all downstream applications including PCR, arrays, 16S rRNA gene sequencing, and shotgun sequencing.

Innovation. Pure & Simple.™

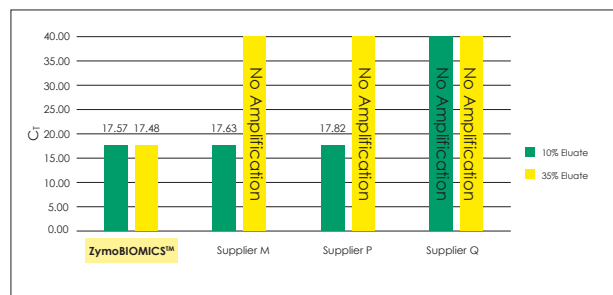


Superior Yields



The ZymoBIOMICS™ DNA Mini Kit provides superior yields when compared to Suppliers M, P, and Q. 80 mg of feces was processed using each kit according to the manufacturers recommended protocol. DNA was eluted using 100 µl and 6 µl of each sample was analyzed in a 1.0% (w/v) agarose/ethidium bromide gel. Samples were processed in triplicate. L is a 1Kb ladder.

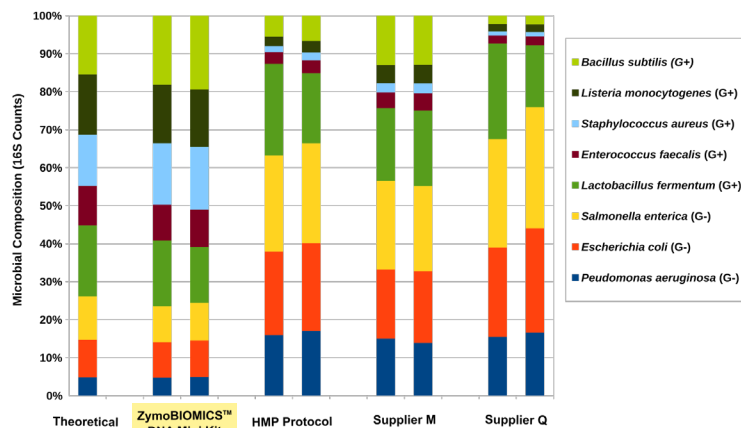
Ultra-pure DNA from Inhibitor Rich Samples



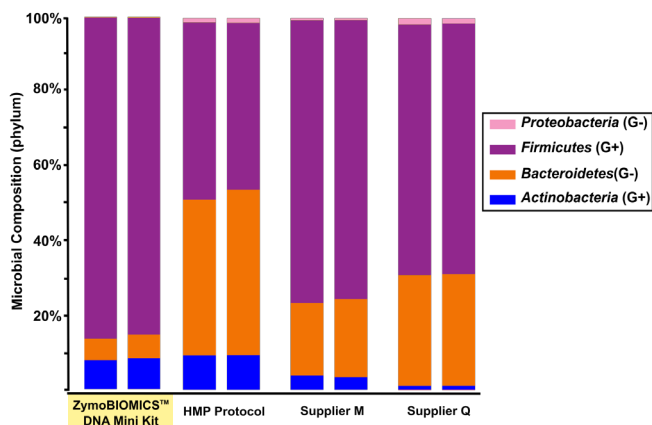
The ZymoBIOMICS™ DNA Mini Kit provides inhibitor-free DNA even when challenged with extremely inhibitor rich samples. Real-time PCR was used to evaluate eluates recovered using the ZymoBIOMICS™ DNA Mini Kit, or Suppliers M, P, and Q. Reaction volumes consisted of either 10% or 35% of the eluate from each kit to detect the presence of PCR inhibitors. Each reaction contained 25 ng of *Brettanomyces* DNA. Delayed and/or no amplification indicates PCR inhibition from inefficient inhibitor removal.

Accurate Community Profiling

Bias free microbial DNA extraction: ZymoBIOMICS™ innovative lysis system eliminates bias associated with unequal lysis efficiencies of different organisms (i.e. gram negative/positive bacteria, fungus, protozoans, and algae) making it ideal for microbiomic studies. Unbiased mechanical lysis of tough microbes is achieved by bead beating with Zymo's proprietary ultra-high density BashingBeads™ and validated using the ZymoBIOMICS™ Microbial Standard. Depending on the lysis method used, there is a stark contrast in the observed community indicating the need for an unbiased, complete lysis system.



DNA was extracted from ZymoBIOMICS™ Microbial Community Standard using four different DNA extraction methods (ZymoBIOMICS™ DNA Mini Kit, Human Microbiome Project Protocol, Supplier M, and Supplier Q) and analyzed using 16S rRNA gene sequencing.



DNA was extracted from 200 µl of human feces suspended in PBS (10 % m/v) using four different DNA extraction methods (ZymoBIOMICS™ DNA Mini Kit, Human Microbiome Project Protocol, Supplier M, and Supplier Q) and analyzed using 16S rRNA gene sequencing.

Validated, Unbiased DNA Isolation

The ZymoBIOMICS™ DNA Mini Kit provides unbiased representation of the organisms extracted from the ZymoBIOMICS™ Microbial Community Standard.

Complete Lysis for Reliable Representation

The ZymoBIOMICS™ DNA Mini Kit reliably isolates DNA from even the toughest to lyse organisms, enabling unbiased analyses of microbial community compositions.

Join The Beta Test

Receive a free sample of the ZymoBIOMICS™ DNA Mini Kit and the ZymoBIOMICS™ Microbial Community Standards. Sign up and submit your evaluation at:

<http://www.zymoresearch.com/beta-test/zymbiomics-DNA-mini-kit>

For your professional feedback, you will receive a **\$5 Amazon gift code** and be entered to win an **iPad Air 2!**