ZYMO RESEARCH

The Beauty of Science is to Make Things Simple®









Popular Products & Services

Innovation. Pure & Simple.

Our Promise to You

Since its inception in 1994, Zymo Research has been proudly serving the scientific community by providing innovative, reliable, and high-quality research tools at affordable prices. Our vision, "*The* **Beauty** *of* **Science** *is to Make Things* **Simple,**" is now truer than ever. Whether it's epigenetics, microbiomics, DNA, RNA, *E. coli*, or yeast-based research, our philosophy remains the same: to provide the highest quality products in the industry while ensuring they are both simple to use and reliable in their performance.

Zymo Research stands on three pillars which form the foundation of our company: Innovation, Quality, and Customer Service. These pillars are fundamental to our culture and ensure our products meet your needs.

Innovation

Zymo Research is globally recognized for its innovation of high-quality nucleic acid purification technologies. Some of these key innovations include streamlining DNA methylation detection, pioneering the micro-elution column for DNA and RNA purification, developing the simplest and the most sophisticated methods for high-quality plasmid DNA purification, and patenting the first RNA purification directly from TRIzol® without phase separation.

Quality

We are committed to quality and guarantee that all of our products and services exceed your expectations. Our products are proudly made in the USA.

Customer Service

We strive for excellence in supporting your scientific endeavors. We pledge to be honest and responsible and treat you as we would like to be treated. Together, we will build a brighter future.

Sustainable Solutions

"Zymo Research is engineering sustainable solutions in the biomedical and biotechnology world. We are committed to making fundamental changes to eliminate cold-chain logistics for biological sample transportation globally, one of the most environmentally contaminating practices in the industry.

Through scientific innovation, we aim to reduce environmental waste and create a more sustainable future."

– Dr. Larry Jia, CEO & Founder of Zymo Research

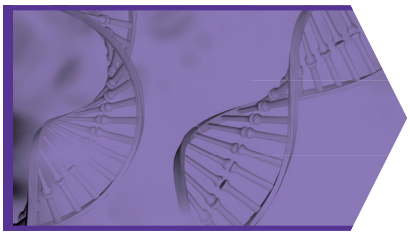


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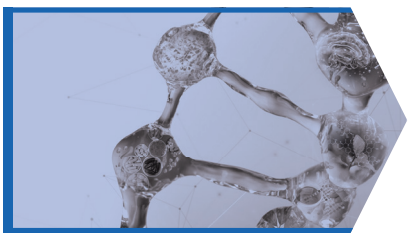
NGS Library Prep
Quick-16S™ Plus NGS Library Prep Kit
Zymo-Seq RiboFree® Total RNA Library Kit

15, 17



Competent Cells & Enzymes
Mix & Go!™ Competent Cells - DH5 Alpha
Mix & Go!™ *E. coli* Transformation Kit
Zymolyase Ultra
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NGS Services & Technical Support
NGS Services & Analysis
Technical & Application Support
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20 - 21

Preserve a Sample's Genetic Profile at the Time of Collection

Stabilize nucleic acids for metagenomic and metatranscriptomic analysis

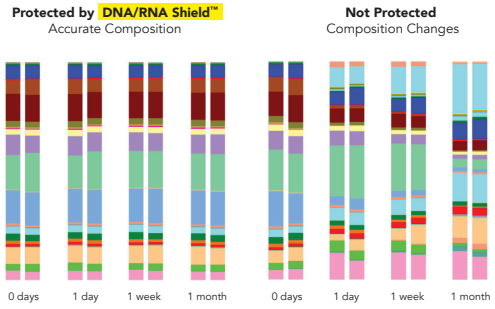
Complete inactivation of microbial, viral, and eukaryotic pathogens

Ship samples at ambient temperature - no cold chain required

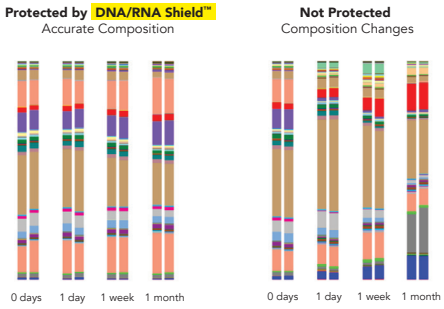


Preserve Metagenomic & Metatranscriptomic Profiles in Collected Samples

DNA Profiling



RNA Profiling



Microbial composition of collected samples remain unchanged after one month at ambient temperature with DNA/RNA Shield™. The extracted DNA and RNA were subjected to microbial composition analysis via NGS.

SAMPLES AVAILABLE

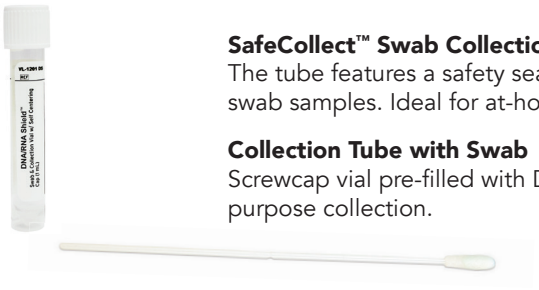
Product	Cat. No.	Size	
DNA/RNA Shield™	R1100-50	50 mL	R1100S
DNA/RNA Shield™ (2X Concentrate)	R1200-25	25 mL	Inquire

DNA/RNA Shield™ Collection Devices for All Sample Types



Fecal Collection Tube CE IVD
A 15 mL tube pre-filled with 9 mL DNA/RNA Shield™ for the collection of up to 1 gram or 1 mL stool. The tube cap features a scoop for convenient sample collection.

Bunny Wipe™ Fecal Sample Collector
Water soluble wipe for a convenient means of fecal sample collection. When paired with DNA/RNA Shield™, samples are preserved for downstream analysis.



SafeCollect™ Swab Collection Kit CE IVD
The tube features a safety seal that allows for a safe and convenient collection of swab samples. Ideal for at-home self collection applications.

Collection Tube with Swab FDA CLEARED CE IVD
Screwcap vial pre-filled with DNA/RNA Shield (1 mL or 2 mL) ideal for general purpose collection.



SafeCollect™ Saliva Collection Kit FDA CLEARED CE IVD
Collection tube (15 mm x 92 mm) with funnel features a safety seal to prevent users from spilling or ingesting the DNA/RNA Shield™. When capped, the safety seal is pierced and the preservation solution is released.



Blood Collection Tube
Evacuated (16 mm x 100 mm) blood collection tube pre-filled with 6 mL DNA/RNA Shield™. Blood draw volume is 3 mL.

SAMPLES AVAILABLE

Product	Cat. No.	Size	
DNA/RNA Shield™ Fecal Collection Tube	R1101	10 Pack	R1101-FS
Bunny Wipe™ Fecal Sample Collector	R1133-10	10 Wipes	R1138-FS
DNA/RNA Shield™ SafeCollect™ Swab Collection Kit	R1161	1 Collection Kit	R1161-FS
DNA/RNA Shield™ Collection Tube w/ Swab	R1107	50 Pack	R1106-FS
DNA/RNA Shield™ SafeCollect™ Saliva Collection Kit	R1211	1 Collection Kit	R1211-FS
DNA/RNA Shield™ Blood Collection Tube	R1150	50 Pack	R1150-FS

Transfection-Ready Plasmid DNA in Only 16 Minutes

Fastest
Simple 16-minute
Midi/Maxi preps

Highest Yield
Up to 25 mg from
a spin-column

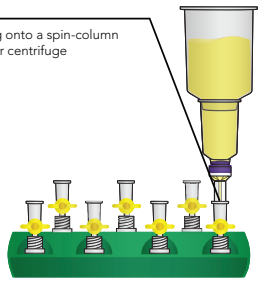
Ultra-Pure
Endotoxin-Free &
Transfection-Ready



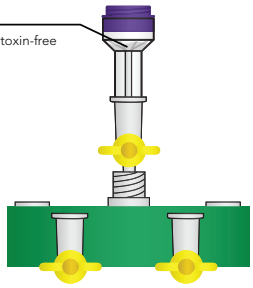
"Great plasmid yield, high purity. Plasmids are good for transfection. Easy to use and fast purification process."
— P. M.
(Fox Chase Cancer Center)

It's simple... Just bind, wash, and elute.

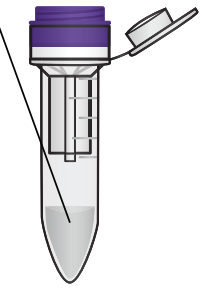
bind
rapid loading onto a spin-column
via vacuum or centrifuge

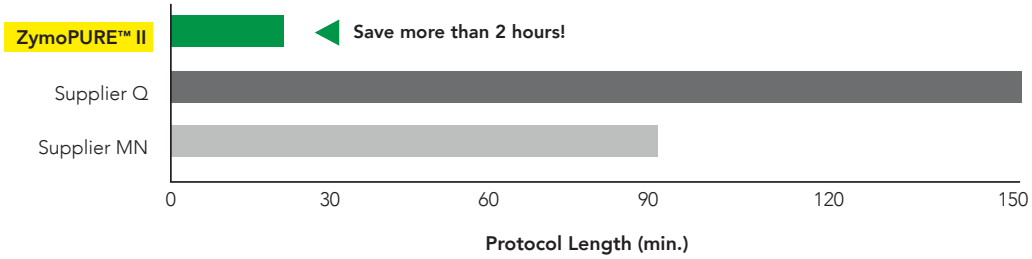


wash
for ultra-pure endotoxin-free
plasmid DNA



elute
transfection-ready
from a spin-column



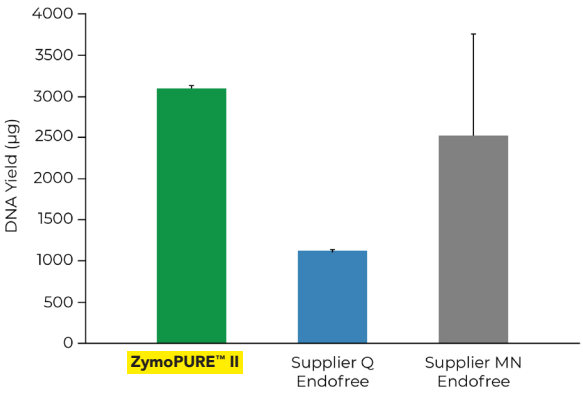


Novel chemistry and spin-column technologies enable simple purification of transfection-ready plasmid DNA up to 9x faster than conventional methods. No slow gravity filtration and no tedious alcohol precipitation.

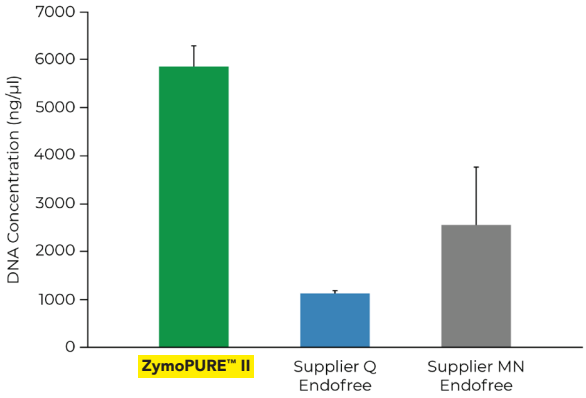
Highest Yield & Concentration



Up to 3x More Plasmid DNA Yield



Up to 6x More Concentrated Plasmid



Yield and concentration for plasmid DNA isolated using the ZymoPURE™ II Maxiprep kit compared to two endotoxin-free plasmid purification kits from Supplier Q and Supplier MN. Plasmid DNA (pGL3®) was isolated from 150 ml of JM109 *E. coli* culture grown overnight following the manufacturer's suggested protocol (in duplicate). One (1) µl of eluted plasmid DNA was visualized post agarose gel electrophoresis. M, ZR 1 kb DNA Marker (Zymo Research).

SAMPLES AVAILABLE

Product	Culture Volume	Min. Elution Volume	Yield	Cat. No.	Size	
ZymoPURE™ Plasmid Miniprep Kit	5 mL	≥ 25 µL	100 µg	D4209	50 Preps	D4208S
ZymoPURE™ 96 Plasmid Miniprep Kit	5 mL	≥ 125 µL	100 µg	D4214	2 x 96 Preps	Inquire
ZymoPURE™ II Plasmid Midiprep Kit	50 mL	≥ 150 µL	1.2 mg	D4201	50 Preps	D4200S
ZymoPURE™ II Plasmid Maxiprep Kit	150 mL	≥ 300 µL	3 mg	D4203	20 Preps	D4202S
ZymoPURE™ II Plasmid Gigaprep Kit	2.5 L	≥ 3 mL	25 mg	D4204	5 Preps	Inquire

Get DNA From Any Biological Sample... *Quickly!*

Quick & Easy
Simple 20-minute procedure using Proteinase K

Highest Yield
Recover up to 3x more DNA compared to other suppliers

Ultra-Pure
RNA-Free and ready for PCR, NGS, microarrays, etc.

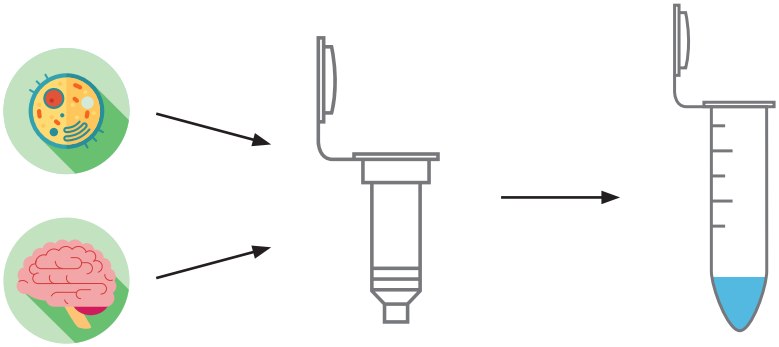
Quick-DNA™ Plus Workflow

Biological Fluid & Cells

Whole blood, semen, buffy coat, saliva, body fluids, milk, *E. coli*, insect, mammalian cells (e.g. HeLa, buccal, drosophila, etc.)

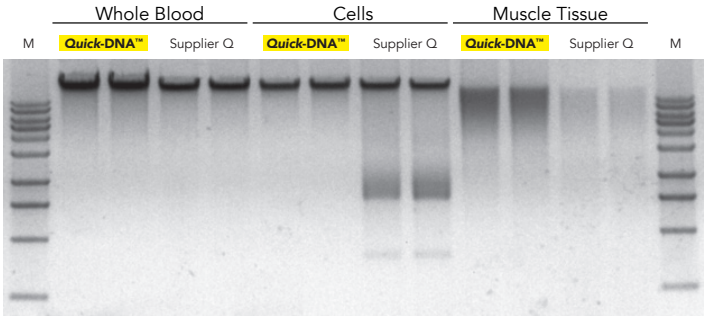
Solid Tissues

Tail snips, ear punches, organ biopsies (brain, liver, heart, kidney, muscle, stomach, etc.)



Lyse & Digest Any Sample | Bind & Wash | Elute NGS-ready DNA

Superior Yields



The *Quick*-DNA™ Miniprep Plus kit isolates highly concentrated genomic DNA without RNA contamination. The *Quick*-DNA™ Miniprep Plus Kit and the Supplier Q Kit were compared by processing porcine whole blood, HeLa cells, and bovine muscle tissue. The isolated DNA was analyzed in a 1% (w/v) agarose gel stained with EtBr.

> *"I always use this kit for genomic DNA extraction from blood of human clinical subjects. This is very quick and simple to use in a laboratory, I have 100% success in using that genomic DNA for PCR and using the PCR product for sequencing."*
>
> **— M. M.**
> **(University of California, San Diego)**

SAMPLES AVAILABLE

Product	Cat. No.	Size	
Quick-DNA™ Miniprep Plus Kit	D4068	50 Preps	D4068S

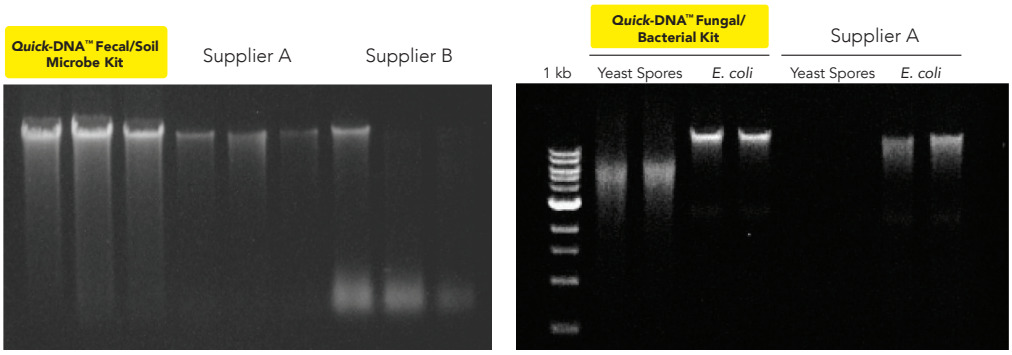
Inhibitor-Free DNA from Tough-to-Lyse Microbial Samples

Simple Workflows
Lyse, extract, and purify

Boost Detection
BashingBeads™ for complete lysis

Inhibitor-Free
Ready for qPCR, NGS, arrays, etc.

Higher Yields



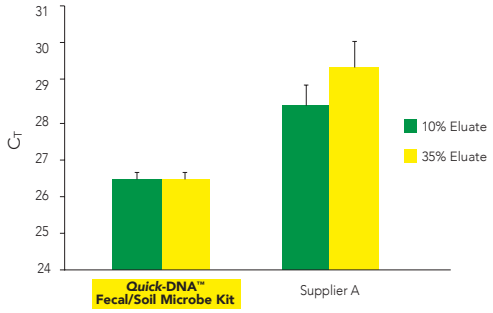
High-quality total DNA was isolated from different environmental sample sources using the *Quick*-DNA™ Kits and compared against other suppliers. Equivalent amounts of sample input were processed using each kit, then equal amounts of the eluted DNA were analyzed in a 0.8% (w/v) agarose gel stained with EtBr.

Complete Sample Homogenization



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

Ultra-Pure, Inhibitor-Free DNA



Real-time PCR was used to evaluate 10% or 35% of eluates recovered using the *Quick*-DNA™ Fecal/Soil Microbe Kit or Supplier A Kit to detect PCR inhibitors. Delayed amplification indicates PCR inhibition from inefficient inhibitor removal (n=8).

SAMPLES AVAILABLE

Product	Cat. No.	Size	
Quick-DNA™ Fecal/Soil Microbe Miniprep Kit	D6010	50 Preps	D6010S
Quick-DNA™ Fungal/Bacterial Miniprep Kit	D6005	50 Preps	D6005S

RNA from TRIzol® in 7 Minutes Using a Spin-Column

Input Compatibility
Any sample in TRIzol®, TRI Reagent® or similar

Easy Handling
No phase separation or precipitation steps

Ultra-Pure
NGS ready RNA without phenol carryover and no DNA contamination (DNase I included)



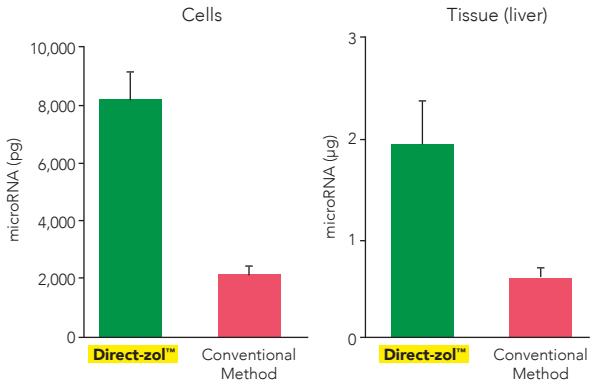


no phase separation
non-biased miRNA recovery

"The Direct-zol™ RNA Miniprep showed the highest recovery [of miRNA] from both cell culture and frozen post-mortem human brain tissue when compared to miRNeasy®, mirVana™ and RNeasy Plus®"

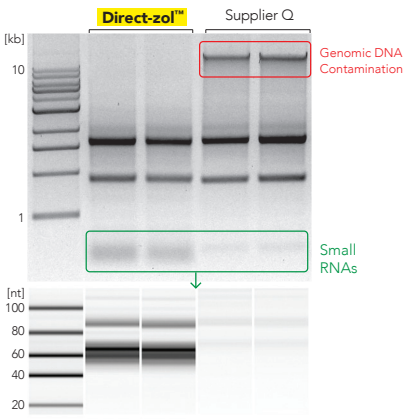
— O.E.
(University of Southern California)

Higher Yields



Direct-zol™ RNA kits recovered ~4-fold more miRNAs (<40 nt) than conventional methods. miRNAs purified from cells and tissue were quantified using a Bioanalyzer small RNA chip.

NGS-Ready RNA



High-quality, intact, small, and large RNAs are efficiently recovered using a Direct-zol™ RNA kit compared to using a Supplier Q kit. RNA is DNA-free and ready for all downstream applications including NGS.



Product	Binding Capacity	Min. Elution Volume	Cat. No.	Size	
Direct-zol™ RNA Microprep Kit	10 µg	6 µL	R2060	50 Preps	R2060S
Direct-zol™ RNA Miniprep Kit	50 µg	25 µL	R2050	50 Preps	R2050S
Direct-zol™ RNA Miniprep Plus Kit	100 µg	50 µL	R2070	50 Preps	Inquire
Direct-zol™-96 RNA	10 µg	10 µL	R2054	2 x 96 Preps	Inquire
Direct-zol™-96 MagBead RNA	10 µg	50 µL	R2100	1 x 96 Preps	Inquire

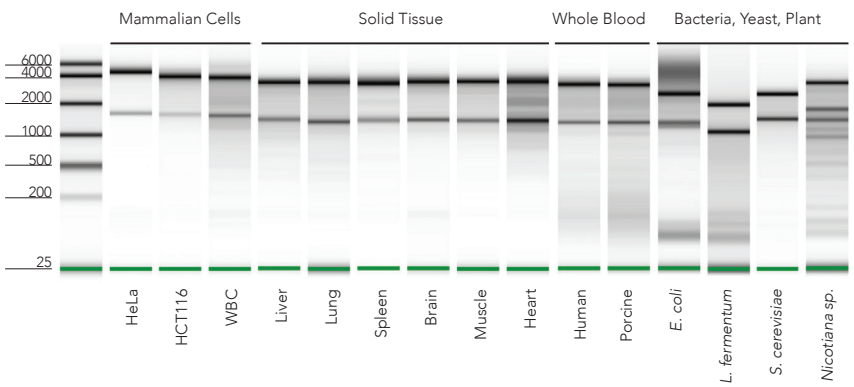
Get RNA from Any Sample... *Quickly!*

DNA-Free
Includes DNase I & Genomic DNA Removal Column

Broad Size Range
Extract total RNA, including small & microRNAs

NGS Ready
Ready for NGS, RT-qPCR, hybridization, etc.

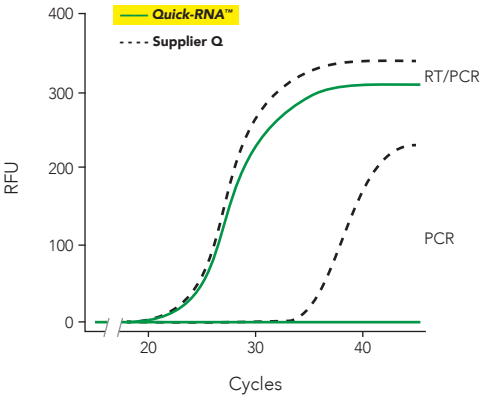
Diverse Sample Compatibility



The *Quick*-RNA™ Miniprep Plus kit is universal and accommodates any sample input including cultured cells, any tissue, whole blood, tough-to-lyse samples, etc.

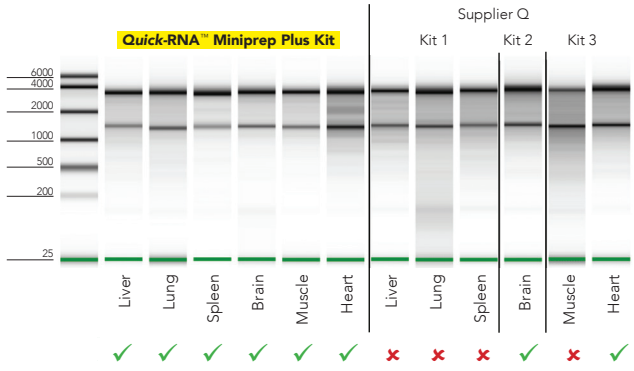
> *"Easy and simple to use, even students can manage this! Reliable and in terms of value it is excellent. Color coded spin columns make it fool proof."*
>
> **— J.H., Otago University**

DNA-Free RNA



RNA isolated with *Quick*-RNA™ kits is DNA-free compared to a Supplier Q kit. Total RNA was isolated from 10^6 human epithelial cells (with in-column DNase treatment for both kits, n=3).

NGS-Ready



High-quality RNA was consistently isolated with the *Quick*-RNA™ Miniprep Plus Kit (left), but not with Supplier Q kits (right). Quality was assessed using the Agilent 2200 TapeStation® system; red = low quality.

SAMPLES AVAILABLE

Product	Cat. No.	Size	
Quick-RNA™ Miniprep Plus Kit	R1057	50 Preps	R1057S

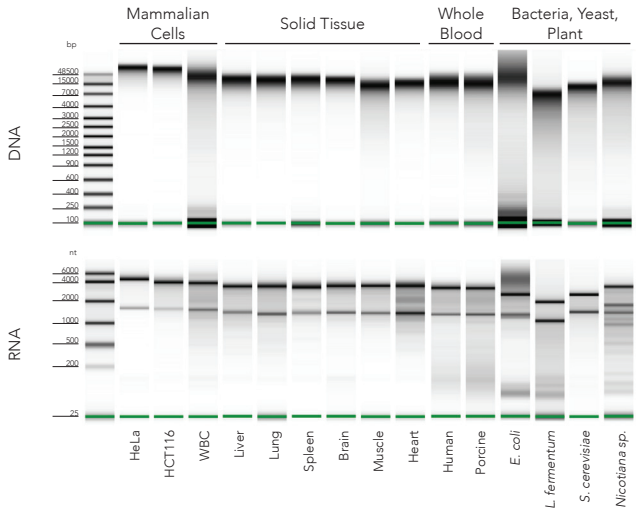
Co-Purify DNA/RNA in <15 Minutes from Any Sample

Simultaneous Extraction
Recover DNA and RNA combined or as separate fractions

Low Input Recovery
Single-cell compatability

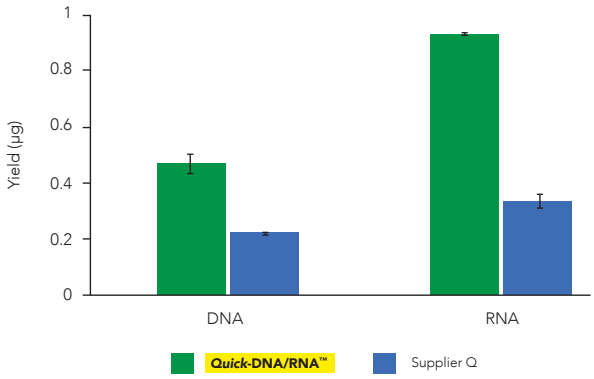
Ultra-Pure
Ready for NGS, RT-qPCR, arrays, etc.

Diverse Sample Inputs



The *Quick*-DNA/RNA™ Plus technology is universal and accommodates any sample input including cultured cells, any tissue, blood, tough-to-lyse samples, etc.

Highest Yield



DNA and total RNA recovery is higher using the *Quick*-DNA/RNA™ Microprep Plus Kit compared to a Supplier Q kit. Nucleic acids were extracted from 50K HeLa cells (n=2).



Also available in automation & ready-to-use pre-filled formats

Compatible with all major liquid handlers & bead movers

SAMPLES AVAILABLE

Product	Cat. No.	Size	
Quick-DNA/RNA™ Miniprep Plus Kit	D7003	50 Preps	Inquire
Quick-DNA/RNA™ HT CE IVD	R2150	250 Preps	Inquire
Load N' Go *Quick*-DNA/RNA™ HT Kit	R2152	96 Preps	Inquire

Clean & Concentrate DNA for NGS

Fast & Simple
Clean & concentrate DNA in 2 minutes

Highly Concentrated
Elute in as little as 6 µL

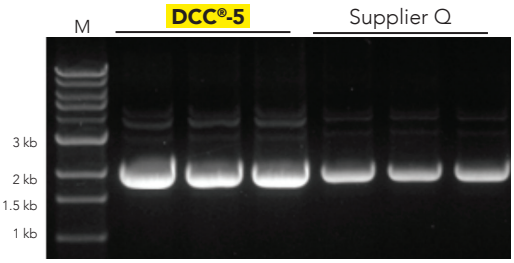
Ultra-Pure
Ready for NGS, PCR, ligations, etc.

6 µL elution volume

2 minute procedure

0 µL retention volume

Superior DNA Recovery



High efficiency DNA recovery using the DNA Clean & Concentrator®-5 (DCC®-5). Equivalent amounts of DNA were purified using the DCC®-5 or Supplier Q and analyzed by electrophoresis in a 0.8% (w/v) agarose/ TAE/EtBr gel.

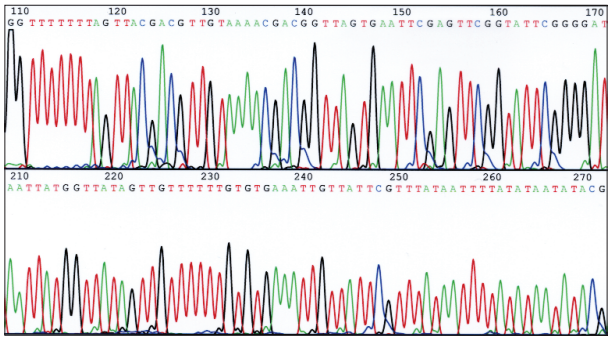
Highest DNA Yield from Agarose Gels

Superior Yields
Agarose gel recovery >80%

Highly Concentrated
Elute in as little as 6 µL

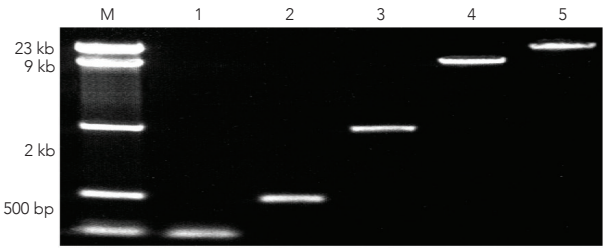
Ultra-Pure
Ready for NGS, PCR, ligations, etc..

Recover Sequencing-ready DNA



DNA sequencing chromatogram of a PCR product recovered using the Zymoclean™ Gel DNA Recovery Kit. DNA was recovered from a 2% (w/v) agarose gel and used directly for sequencing.

Boost Recoveries from Agarose Gels to >80%



DNA fragments recovered from an agarose gel using the Zymoclean™ Gel DNA Recovery Kit. Lanes: M: DNA Ladder; 1-5: individual ladder DNA fragments.



Product	Cat. No.	Size	
DNA Clean & Concentrator®-5	D4013	50 Preps	D4003S
Zymoclean™ Gel DNA Recovery Kit	D4007	50 Preps	D4001S

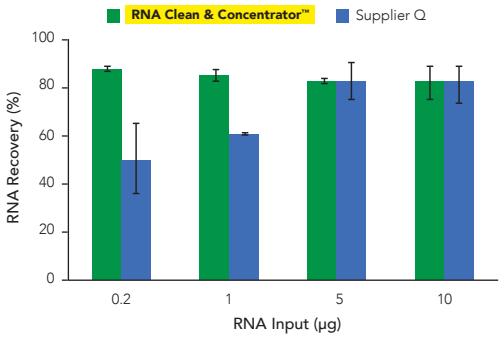
Clean & Concentrate RNA for NGS

Maximum recovery
Recover >90% and elute in as little as 6 µl

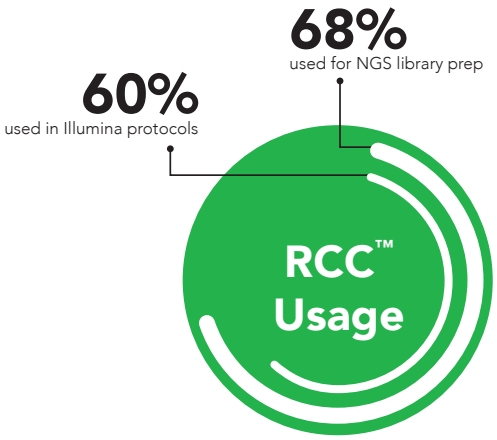
Ultra-Pure
Eliminate contaminants and inhibitors in 5 minutes

NGS-Ready
Ready for downstream applications including Library Prep & NGS

Highest Recovery



Increasing amounts of RNA was cleaned up using the RNA Clean & Concentrator™-5 (RCC™) kit and a Supplier Q kit (n=2). RCC™ provides higher yields and more consistent recovery when compared to the Supplier Q kit.

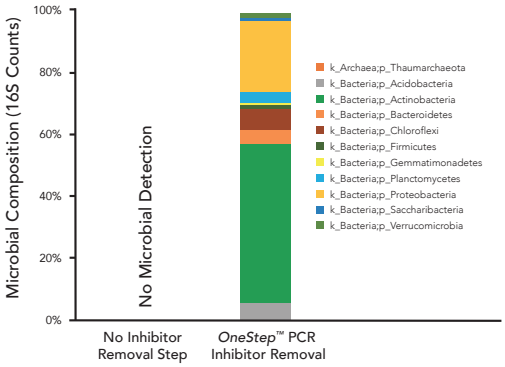


Ensure Inhibitor-Free DNA & RNA for PCR and NGS

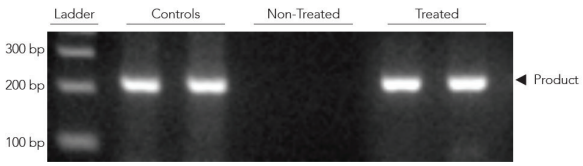
Simple Workflow
Fast, one step procedure for inhibitor removal prior to PCR, RT, and NGS

Inhibitor-Free
Remove PCR Inhibitors to yield high-quality DNA and/or RNA

Efficient Processing
96-Well plate format available for high-throughput processing



Microbes are successfully detected in DNA extracted from soil using 16S sequencing following treatment with the *OneStep*™ PCR Inhibitor Removal Kit.



DNA is efficiently amplified by PCR following humic acid removal with the *OneStep*™ PCR Inhibitor Removal Kit. The figure shows amplification of a 200 bp product from DNA containing humic acid that was treated with the kit. The ladder is a 100 bp DNA marker (Zymo Research).



Product	Cat. No.	Size	
RNA Clean & Concentrator™-5	R1015	50 P reps	R1015S
OneStep™ PCR Inhibitor Removal Kit	D6031	50 Preps	D6031S

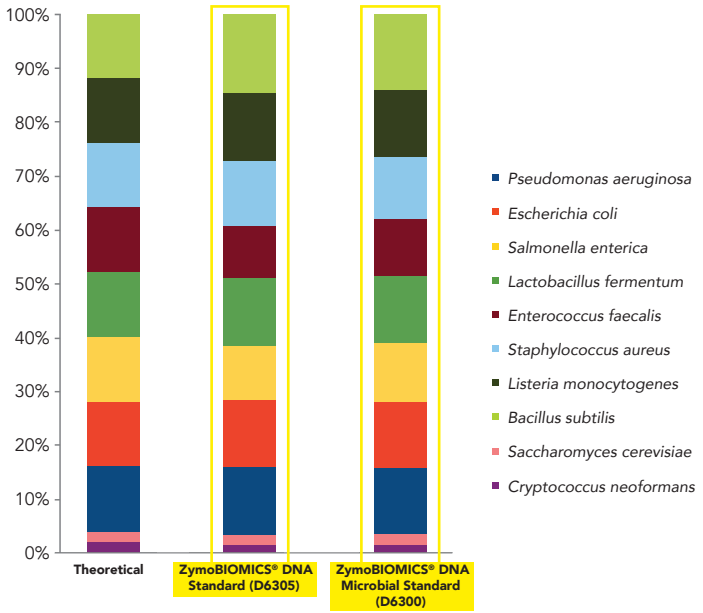
Ensure Microbiome Analyses are Accurate

Microbiome Standard
Mock microbial community of well-defined composition

Identify Bias
Assess source of bias in microbiome measurements

Accurate Characterization
Ideal for validation and optimization of microbiome workflows

Defined. Quantified. Accurate.



Microbial composition of ZymoBIOMICS® standards determined by Shotgun Sequencing. For the microbial standard (D6300), DNA was extracted using the ZymoBIOMICS® DNA Miniprep kit. The library preparation was performed using Kapa HyperPlus kit. Sequencing was performed with Illumina HiSeq. Theoretical abundance (left) is given for comparison.

The Microbiomics Standards & Controls Initiative

M-SCI

Why give away free standards and controls?
Leaders in the field of microbiomics have recognized that the lack of well-defined microbial standards and controls has held back research progress.

Zymo Research is passionate about data quality and reproducibility. In an effort to make well-defined standards and controls available to all researchers, the ZymoBIOMICS Microbial Standards and Spike-in Controls will be offered to all free of charge!

SAMPLES AVAILABLE

Product	Cat. No.	Size	
ZymoBIOMICS® Microbial Community Standard	D6300	10 Preps	Inquire
ZymoBIOMICS® Microbial Community DNA Standard	D6306	2000 ng	Inquire

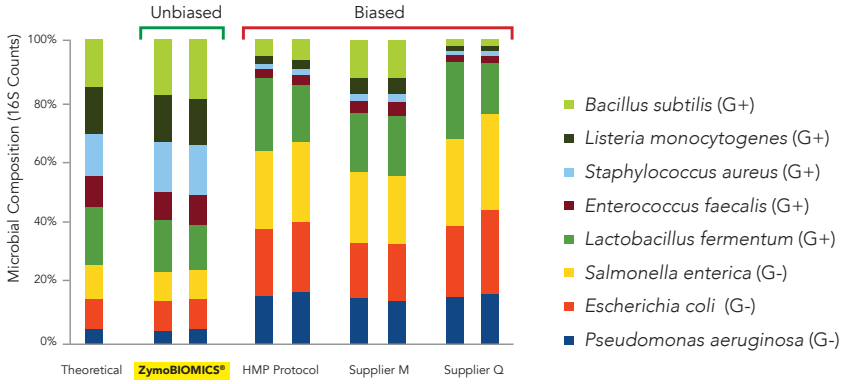
Non-Biased Total DNA & RNA Extraction for Metagenomic & Metatranscriptomic Analysis

Simple 20-Minute Workflow
No precipitation, No lengthy incubations

Microbiomics-Grade DNA/RNA
Total cellular lysis for accurate measurements and certified low bioburden

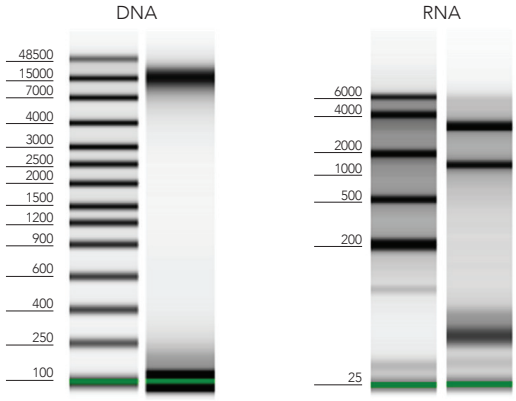
Ultra-Pure
Inhibitor-free, ready for qPCR and microbiome measurements via NGS

Microbiomics-Grade Unbiased DNA Extraction



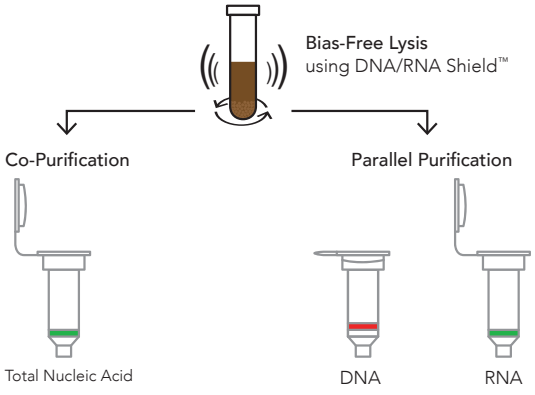
The ZymoBIOMICS® DNA Miniprep Kit provides accurate representation of the organisms extracted from the ZymoBIOMICS® Microbial Community Standard.

High-Quality DNA & RNA



Genomic DNA and total RNA was isolated from human stool with the ZymoBIOMICS® DNA/RNA Miniprep Kit and is highly intact. Quality was assessed using the Agilent 2200 TapeStation® system.

Elute DNA & RNA in Single or Separate Fractions





Product	Cat. No.	Size	
ZymoBIOMICS® DNA Miniprep Kit	D4300	50 Preps	D4300S
ZymoBIOMICS® DNA/RNA Miniprep Kit	R2002	50 Preps	R2002S

Accurate 16S Library Prep with Less Hands-on Time

Streamlined
Only 30 minutes of hands-on time for 96 samples

100% Automation Ready
Only a single PCR step and no normalization needed

Improved Barcode Resolution
Unique Dual Indexes for Illumina® NextSeq 1000/2000

Fastest 16S Workflow

***Quick*-16S™ Plus Protocol**

1-Step PCR Amplification
↓
Pooling by Equal Volume
↓
One Single Clean-up of Final Library

Total Hands-on Time for 96 DNA Samples: 30 minutes

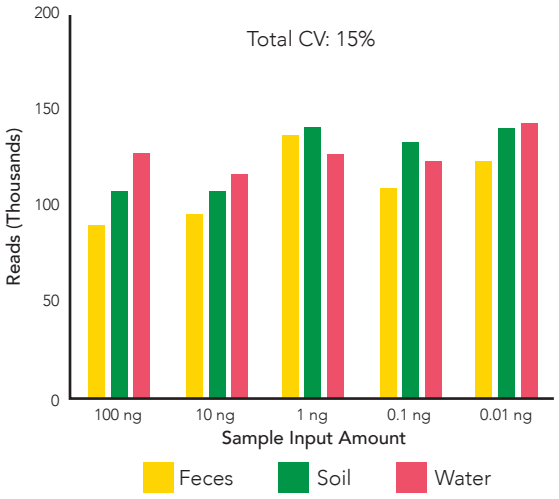
Illumina16S Protocol

Targeted Sequencing Amplification
↓
96-well AMPure® Bead Clean-up
↓
Index PCR
↓
96-well AMPure® Bead Clean-up
↓
96-well TapeStation® Quantification
↓
Library Normalization and Pooling

Total Hands-on Time for 96 DNA Samples: 4 hours

The *Quick*-16S™ Plus workflow versus the Illumina® 16S™ Protocol. Total hands on time calculations are based on the preparation of 96 DNA samples.

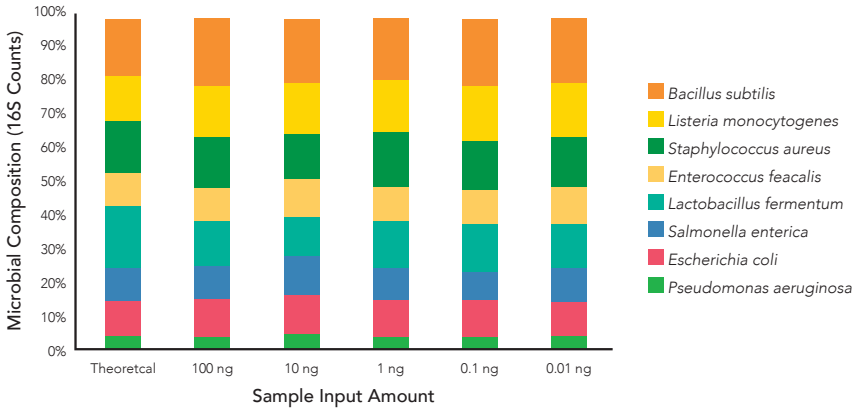
Normalization-Free



The *Quick*-16S™ Plus NGS Library Prep Kit (V3-V4) results in similar amounts of reads across different input amounts. 0.01-100 ng fecal, soil, and water DNA were used as inputs. Libraries were pooled by equal volumes (2 µl each) without further normalization and sequenced using MiSeq® Reagent Kit v3 (600-cycle). The CV (variation of coefficient) is the ratio of the standard deviation to the mean with lower values corresponding to less dispersion around the mean.

Accurate Profiling

Benchmarked with ZymoBIOMICS® Microbial Community DNA Standards



The *Quick*-16S Plus NGS Library Prep Kit (V3-V4) has consistent and accurate measurements across a wide range of input DNA.



Product	Cat. No.	Size	
Quick-16S™ Plus NGS Library Prep Kit (V3-V4, UDI)	D6421	96 Rxns	Inquire

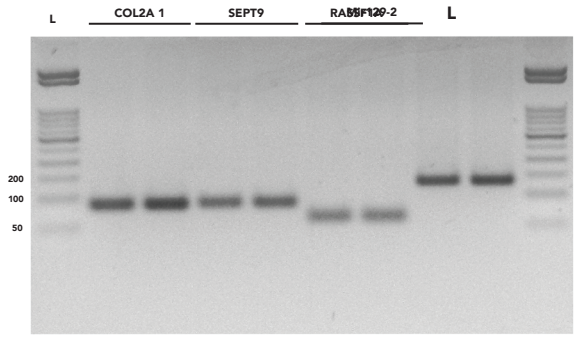
Citation-Leading Technology for DNA Methylation Analysis

Streamlined Process
Purified bisulfite converted DNA in <1.5 hours

Efficient
>99.5% bisulfite conversion with reduced fragmentation.

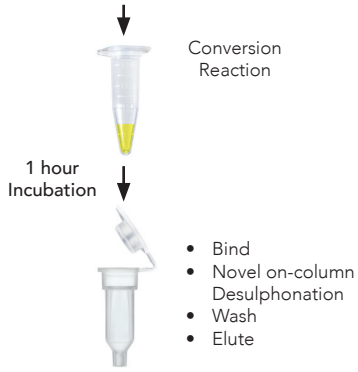
NGS-Ready
Low input DNA ideal for methylation analysis

PCR-Ready Bisulfite DNA from FFPE



DNA isolated from a non-small-cell lung cancer (NSCLC) FFPE block was bisulfite converted using the EZ DNA Methylation-Lightning Kit, then PCR amplified with methylation-specific primers for cancer biomarkers SEPT9, RASSF1A, Mir129-2, and control primer COL2A1. L=50bp marker.

Purified DNA from Cells, Blood, Tissue, FFPE, etc.



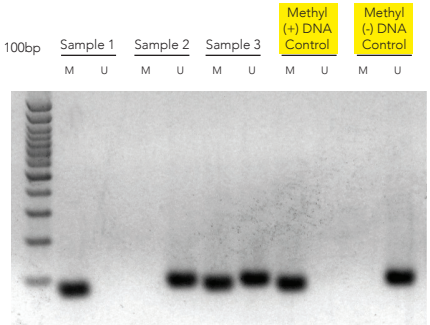
Ready for PCR , NGS, or or other sensitive downstream applications

Methylated/Non-methylated Control DNAs for Quantification

Ideal for Methylation Applications
including methylation-specific PCR experiments

Standard Curve Generation
Suitable quantitation of DNA methylation in experimental samples

Convenient
Control primers amplify DNA amplicon after bisulfite conversion



Methylation-specific PCR (MSP) Analysis

Example MSP experiment using MSP designed primers for RASSF1. Sample 1 is positive for a Methylated Template. Sample 2 is positive for a Non-Methylated Template and Sample 3 contains Methylated and Non-Methylated Templates. MSP experiment also shows proper controls: Methyl (+) DNA Control D5014-2 Human Methylated DNA, Methyl (-) DNA Control D5014-1 Human Nonmethylated DNA. 2% Agarose Gel, 130V for 35 mins. M = Methylated specific primers, U = Non-Methylated specific primers.



Product	Cat. No.	Size	
EZ DNA Methylation-Lightning™ CE IVD	D5030	50 Rxns	D5030S
EZ DNA Methylation-Lightning™ Automation Kit	D5049	96 Preps	Inquire
Human Methylated & Non-methylated DNA Set	D5014	5 µg/20 µL	Inquire

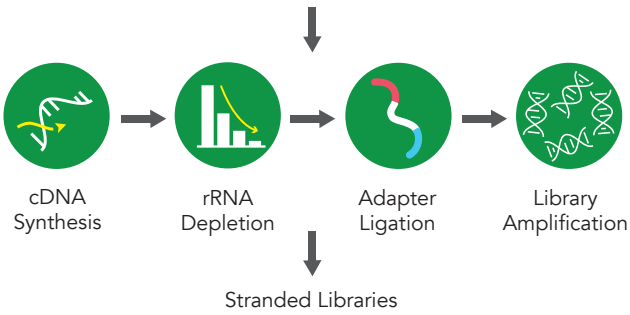
Universal rRNA Depletion for Any Organism

Universal Depletion
Depletes rRNA from any organism using novel probe-free technology

Simplest Library Prep
Simultaneous ligation of both adapters reduces hands-on processing

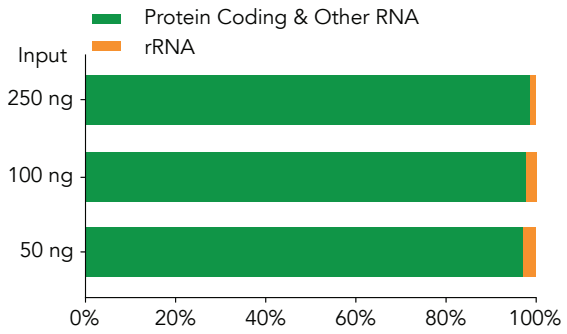
Automation Friendly
Streamlined Protocol for increased scalability

Simplest Total RNA Library Prep



With 30-50% less hands-on time compared to alternative kits, it's RNA-Seq *Made Simple* with the Zymo-Seq RiboFree® Total RNA Library Kit. The automation friendly protocol shines with pre-mixed reagents and a single adapter ligation step for adding both adapters in this streamlined procedure.

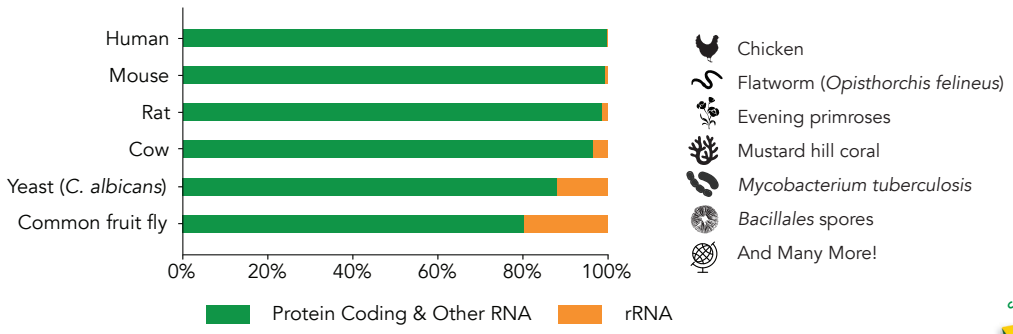
Suitable for Degraded Samples



Libraries are compatible with all Illumina® sequencing platforms

Efficient rRNA depletion also achievable with degraded samples using the Zymo-Seq RiboFree® Total RNA Library Kit. Libraries were prepared with 250 ng, 100 ng, and 50 ng of total RNA extracted from formalin-fixed, paraffin-embedded (FFPE) human tissues (RIN = 1.6, peak < 200 nt), respectively.

RiboFree® - The Only Universal rRNA Depletion



SAMPLES AVAILABLE

Product	Cat. No.	Size	
Zymo-Seq RiboFree® Total RNA Library Kit	R3000	12 Preps	Inquire

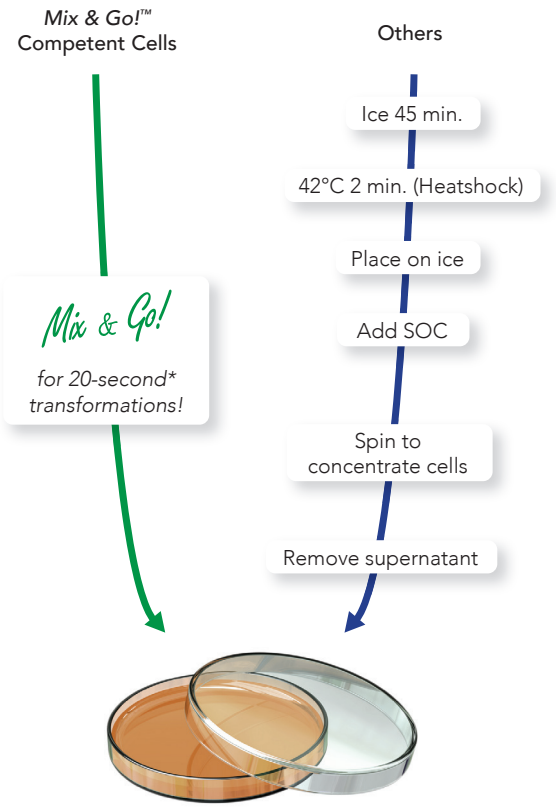
20-Second Transformations Without Heat Shock!

High Transformation Efficiencies
Achieve up to 10^9 transformants/µg plasmid DNA

Versatile
For general cloning, and high-throughput transformation without heat shock

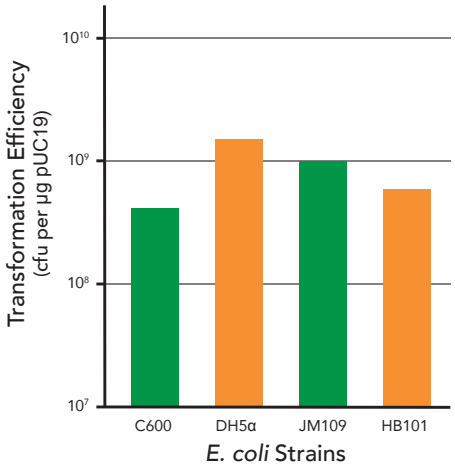
Prepare Your Own
Produce chemically competent *E. coli* in ≤ 45 minutes with the Transformation Kit

Simple Transformation



*Ampicillin selection only

High Efficiency



> *High quality reproducible results, very quick and easy compared to traditional transformation.*
>
> **— E. L., University of Pittsburgh**

SAMPLES AVAILABLE

Product	Cat. No.	Size	
Mix & Go!™ Competent Cells - DH5 Alpha	T3007	10 x 100 µL	T3007S
Mix & Go!™ E. coli Transformation Kit	T3001	up to 20 mL	Inquire

High-Quality Enzymes

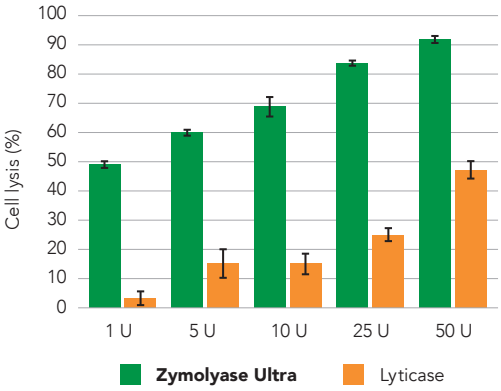
Zymolyase Ultra



Yeast lysis in 10 minutes



Up to 70x less DNA contamination than competitors



Over 50x More Efficient Than Lyticase

1-50 U Zymolyase Ultra or Lyticase were used to test lysing 8 x 10^7 *C. albicans* cells at 37°C for 30 minutes.

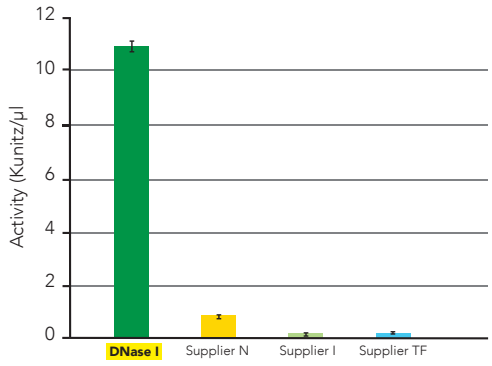
DNase I Set



RNase-free & protease-free



Withstand +10 freeze-thaw cycles



Superior Activity

Zymo Research DNase I is 10x faster at digesting DNA than market-leading DNases. Comparison of DNase I activity efficiency against other suppliers with 150 µg of salmon sperm DNA at 25°C.

PureRec RNase A



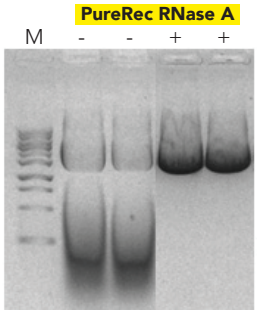
Superior Activity



Withstand +10 freeze-thaw cycles

Efficient RNA Removal in Plasmid Purification

Plasmid purified using a plasmid miniprep kit with or without PureRec RNase A added to the resuspension buffer (P1 buffer). M: ZR 1 kb DNA marker (M5003-200). (-) No RNase A added to miniprep P1 buffer. (+) 100 µg/ml. PureRec RNase A was added to P1 buffer.





Product	Cat. No.	Size*	
Zymolyase Ultra	E1007T	100 U	E1007S
DNase I Set	E1010	250 U	E1009S
PureRec RNase A	E1019-5	5 mg	E1019S

* Bulk orders available.

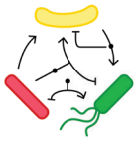
Next-Generation Sequencing Services

Zymo Research makes NGS analysis available to every researcher and industry with our comprehensive portfolio of technologies. With end-to-end solutions, all NGS services feature state-of-the-art sample processing workflows and cutting-edge bioinformatics. Our services can be customized to meet the individual needs of your application.

Microbiome



16S/ITS Amplicon Sequencing
Species-level resolution for bacteria and fungi, targeting regions of 16S & ITS



Metatranscriptomic Sequencing
Microbiome gene expression analysis from any kingdom



Full-Length 16S Amplicon Sequencing
Unrivaled species-taxonomic resolution with PacBio HiFi Sequencing



Shotgun Metagenomic Sequencing
Multiple kingdom identification & functional profiling with industry leading sensitivity & precision

RNA-Seq



RNA-Seq
Transcriptome-wide analysis of total RNA or small RNA (microRNA)

Epigenetics



DNA Methylation
Platforms for genome-wide and targeted single-base resolution DNA methylation analysis



ChIP-Seq
Genome-wide analysis of protein-DNA interactions

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Receive a user-friendly analysis report

illumina CSPro CERTIFIED SERVICE PROVIDER

PacBio PACBIO CERTIFIED SERVICE PROVIDER

Inquire about our Services today at **www.ZymoResearch.com/Services**

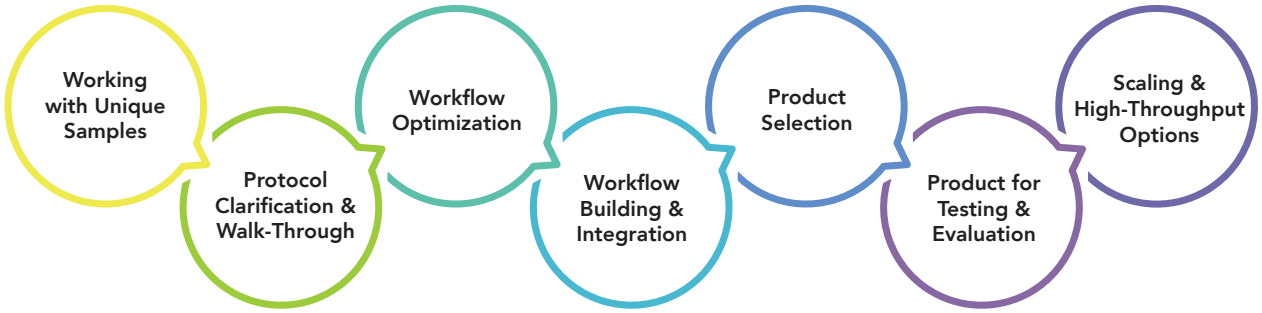
Scientist-to-Scientist - Technical & Application Support

We offer easily accessible support directly from our scientists to help ensure successful integration of our products and solutions into your unique workflows.



"I only started using Zymo recently, but now I try to use it for all my kits, specifically because the tech support is so good. I have called a couple of times, and the help has always been excellent. Thank you! It really helps my experiments."

— K. M.
UMass Chan Medical School



USA	Europe	International
Email Tech@ZymoResearch.com	Tech@ZymoResearch.de	TechIntl@ZymoResearch.com
Phone (888) 882-9682 ext.3	+49 (0)761 600 6871 71	+1 (949) 679-1190 ext. 3

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Automate on Any Platform:
Opentrons FLEX™, Accuris IsoPure™ 96, Hamilton STAR™, KingFisher™ Flex, Tecan Fluent®, and More!



Contact our automation specialists at **Automation@ZymoResearch.com**

Popular Products



Sample Collection & Stabilization	Cat. No.	Size	
DNA/RNA Shield™	R1100-50	50 mL	R1100S
DNA/RNA Shield™ (2X Concentrate)	R1200-25	25 mL	Inquire
DNA/RNA Shield™ Fecal Collection Tube CE IVD	R1101	10 Pack	R1101-FS
Bunny Wipe™ Fecal Sample Collector	R1133-10	10 Wipes	R1138-FS
DNA/RNA Shield™ SafeCollect™ Swab Collection Kit CE IVD	R1161	1 Collection Kit	R1161-FS
DNA/RNA Shield™ Collection Tube w/ Swab FDA CLEARED CE IVD	R1107	50 Pack	R1106-FS
DNA/RNA Shield™ SafeCollect™ Saliva Collection Kit FDA CLEARED CE IVD	R1211	1 Collection Kit	R1211-FS
DNA/RNA Shield™ Blood Collection Tube	R1150	50 Pack	R1150-FS



DNA/RNA Extraction & Purification	Cat. No.	Size	
ZymoPURE™ Plasmid Miniprep Kit	D4209	50 Preps	D4208S
ZymoPURE™ 96 Plasmid Miniprep Kit	D4214	2 x 96 Preps	Inquire
ZymoPURE™ II Plasmid Midiprep Kit	D4201	50 Preps	D4200S
ZymoPURE™ II Plasmid Maxiprep Kit	D4203	20 Preps	D4202S
ZymoPURE™ II Plasmid Gigaprep Kit	D4204	5 Preps	Inquire
Quick-DNA™ Miniprep Plus Kit	D4068	50 Preps	D4068S
Quick-DNA™ Fecal/Soil Microbe Miniprep Kit	D6010	50 Preps	D6010S
Quick-DNA™ Fungal/Bacterial Miniprep Kit	D6005	50 Preps	D6005S
Direct-zol™ RNA Microprep Kit	R2060	50 Preps	R2060S
Direct-zol™ RNA Miniprep Kit	R2050	50 Preps	R2050S
Direct-zol™ RNA Miniprep Plus Kit	R2070	50 Preps	Inquire
Direct-zol™-96 RNA	R2054	2 x 96 Preps	Inquire
Direct-zol™-96 MagBead RNA	R2100	1 x 96 Preps	Inquire
Quick-RNA™ Miniprep Plus Kit	R1057	50 Preps	R1057S
Quick-DNA/RNA™ Miniprep Plus Kit	D7003	50 Preps	Inquire
Quick-DNA/RNA™ HT CE IVD	R2150	250 Preps	Inquire
Load N' Go *Quick*-DNA/RNA™ HT Kit	R2152	96 Preps	Inquire
DNA Clean & Concentrator®-5	D4013	50 Preps	D4003S
Zymoclean™ Gel DNA Recovery Kit	D4007	50 Preps	D4001S
RNA Clean & Concentrator®-5	R1015	50 Preps	R1015S
OneStep™ PCR Inhibitor Removal Kit	D6031	50 Preps	D6031S



Microbiomics	Cat. No.	Size	
ZymoBIOMICS® Microbial Community Standard	D6300	10 Preps	Inquire
ZymoBIOMICS® Microbial Community DNA Standard	D6306	2000 ng	Inquire
ZymoBIOMICS® DNA Miniprep Kit	D4300	50 Preps	D4300S
ZymoBIOMICS® DNA/RNA Miniprep Kit	R2002	50 Preps	R2002S
Quick-16S™ Plus NGS Library Prep Kit (V3-V4, UDI)	D6421	96 Rxns	Inquire



Epigenetics & Transcriptomics	Cat. No.	Size	
EZ DNA Methylation-Lightning™ CE IVD	D5030	50 Rxns	D5030S
EZ DNA Methylation-Lightning™ Automation Kit	D5049	96 Preps	Inquire
Human Methylated & Non-methylated DNA Set	D5014	5 µg/20 µL	Inquire
Zymo-Seq RiboFree® Total RNA Library Kit	R3000	12 Preps	Inquire



Competent Cells, Yeast, & Enzymes	Cat. No.	Size	
Mix & Go!™ Competent Cells - DH5 Alpha	T3007	10 x 100 µL	T3007S
Mix & Go!™ *E. coli* Transformation Kit	T3001	up to 20 mL	Inquire
Zymolyase Ultra	E1007T	100 U	E1007S
DNase I	E1010	250 U	E1009S
PureRec RNase A	E1019-5	5 mg	E1019S

NGS Services	Cat. No.
16S/ITS Amplicon Sequencing	Q2001
Metatranscriptomic Sequencing	Q2018
Full-Length 16S Amplicon Sequencing	Q2033
Shotgun Metagenomic Sequencing	Q2002
Total RNA-Seq	Q1404
MicroRNA-Seq	Q1405
3'mRNA-Seq	Q1406
Reduced Representation Bisulfite Sequencing	Q1011
Whole Genome Bisulfite Sequencing	Q1013
Targeted Bisulfite Sequencing	Q1050
ChIP-Seq	Q1420

Notes

Notes

ZYMO RESEARCH

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Cat. No. B1011-07

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