

Epigenetics

DNA Methylation

Bisulfite Methods

EZ DNA Methylation™ Kits

Streamlined procedure for bisulfite conversion of DNA using specialized kits designed for different samples types.

Format:
Spin-Column
96-Well Plate

Pico Methyl-Seq™ Library Prep Kit

Post-bisulfite library preparation for Whole Genome Bisulfite Sequencing.

Non-Bisulfite Methods

OneStep qMethyl™ Kits

Real-time PCR procedure for bisulfite-free determination of methylation status at specific loci.

Format:
96-Well Plate

Antibody Methods

5-mC DNA ELISA Kit

High-throughput method for accurate 5-mC detection in genomic DNA.

Format:
96-Well Plate

Methylated-DNA IP Kit

Highly specific enrichment of 5-mC in DNA by immunoprecipitation.

DNA Hydroxymethylation

Quest 5-hmC™ DNA ELISA Kit

High-throughput method for specific 5-hmC detection in genomic DNA.

Format:
96-Well Plate

DNA Degradase Plus™

Generate single nucleosides for global 5-hmC quantification by LC/MS.

Chromatin Analysis

Zymo-Spin™ ChIP Kit

Protein-DNA interaction analysis.

Format:
Spin-Column

ChIP DNA Clean & Concentrator®

Two minute DNA clean-up procedure for ChIP DNA.

Format:
Spin-Column
96-Well Plate

RNA Methylation

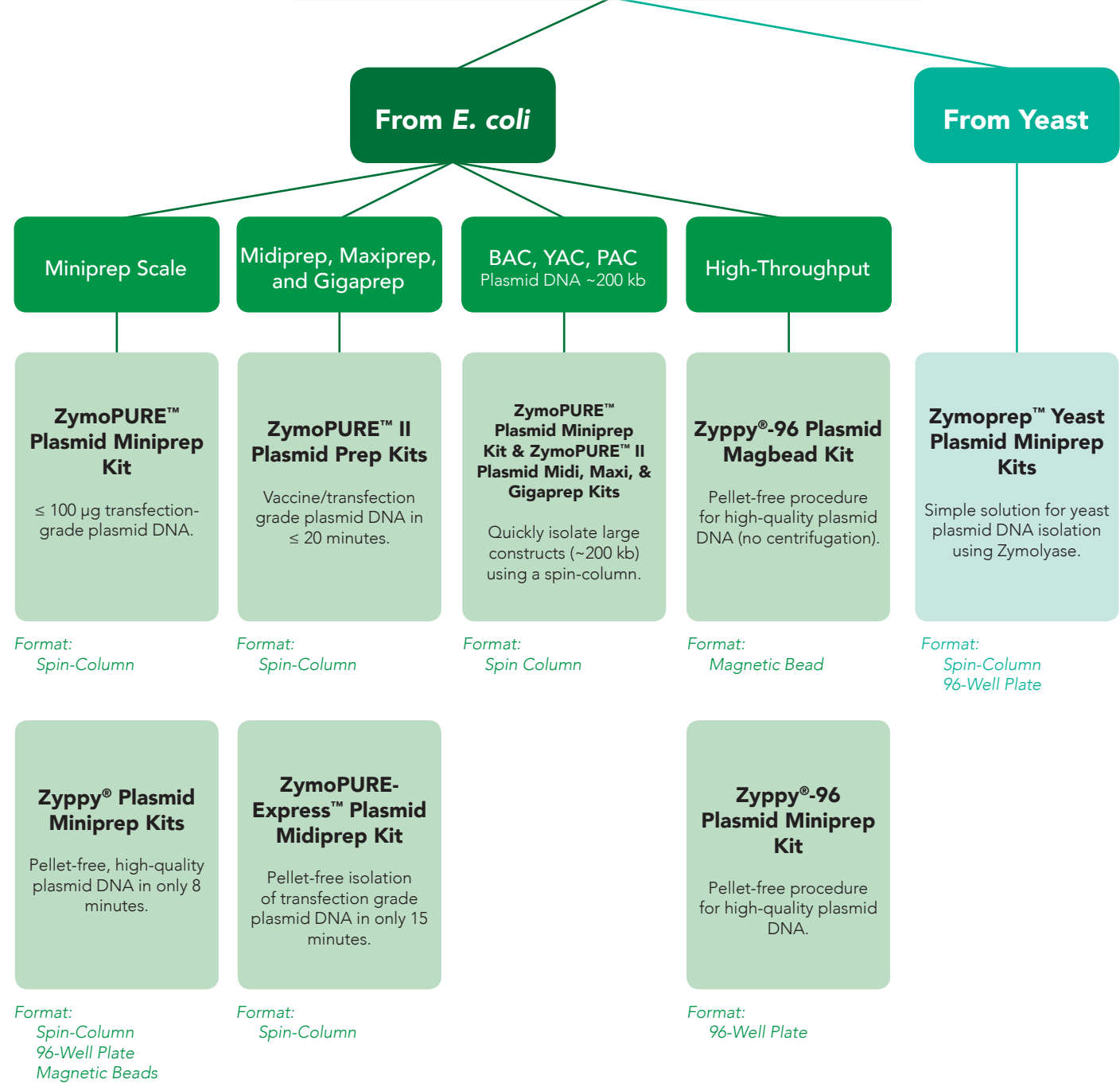
EZ RNA Methylation™ Kit

Fast and reliable bisulfite conversion of RNA for methylation analysis.

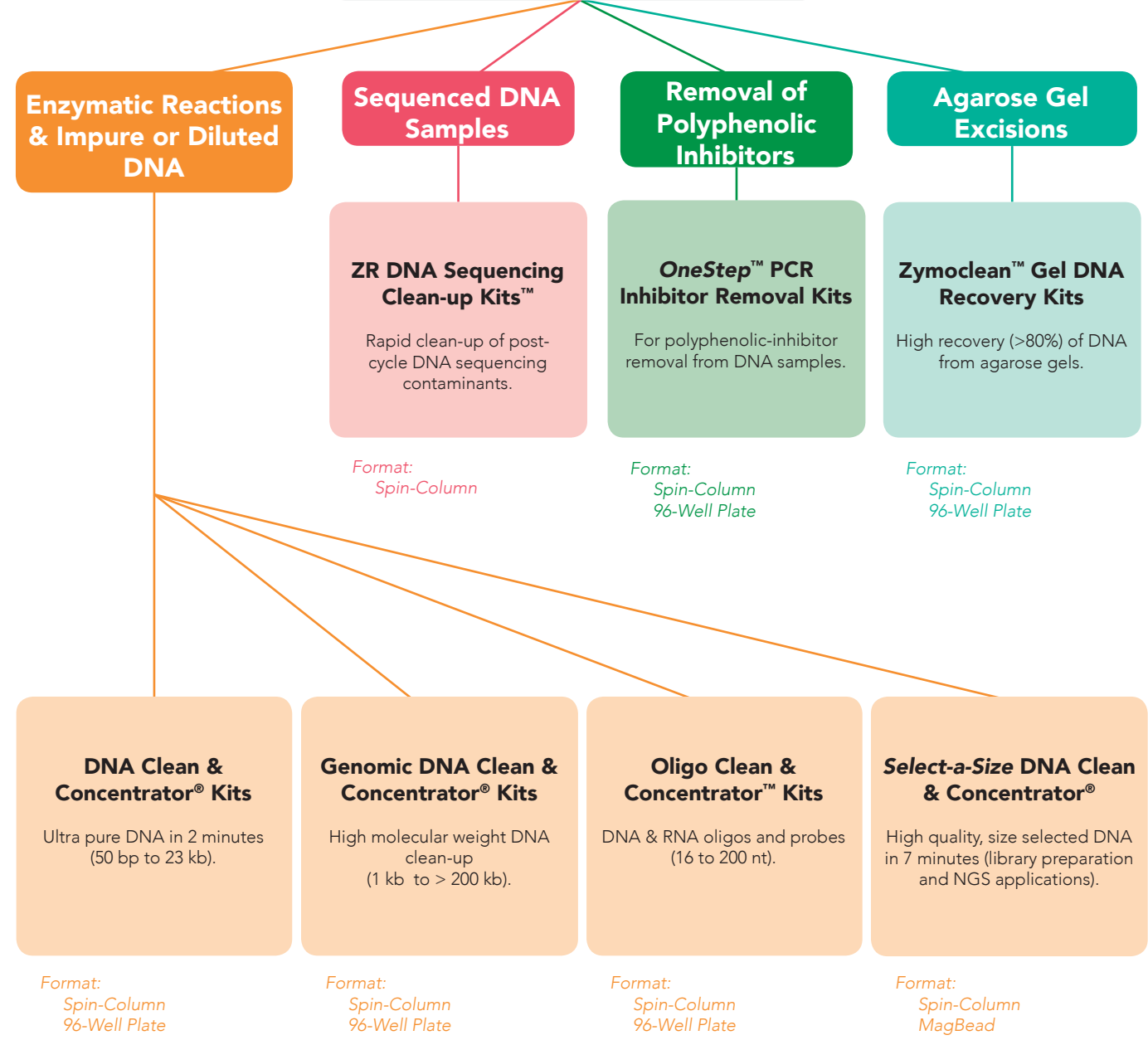
Format:
Spin-Column



Plasmid DNA Purification



DNA Clean-up





DNA Isolation

Tough-to-Lyse Samples

Microbial

Plant and Seed

Cultures

Environmental (Fecal, Soil, and Water Filtrate)

Quick-DNA™ Fungal/ Bacterial DNA Kits

Simple and robust isolation from cultures.

*BashingBeads™ included

Format:
Spin-Column
96-Well Plate

ZymoBIOMICS® DNA Kits

Accurate, inhibitor-free DNA for microbiomics, metagenomics, and other applications.
*BashingBeads™ included

Format:
Spin-Column
96-Well Plate
MagBead

YeaStar™ Genomic DNA Kit

Simple enzymatic procedure utilizing Zymolyase.

Format:
Spin-Column

Quick-DNA™ Fecal/Soil Microbe DNA Kits

High-quality, inhibitor-free DNA.
*BashingBeads™ included

Format:
Spin-Column
96-Well Plate
MagBead

Quick-DNA™ Plant/Seed Kits

Inhibitor-free DNA from plant tissues and seeds.
*BashingBeads™ included

Format:
Spin-Column
96-Well Plate

DNA Isolation

Biological Fluids, Cells & Solid Tissues

Biological Fluids, Cells & Tissues

Liquid Biopsy Serum, Plasma, Urine, Cerebrospinal Fluid, Amniotic Fluid, & Saliva (large volume)

Fixed Tissues (FFPE and glass-slide samples)

Quick-DNA™ Plus Kits

High-quality DNA from any biological fluids, cells, and tissue.
(Proteinase K included)

Format:
Spin-Column
96-Well Plate

Quick-cfDNA™ Serum & Plasma Kit

Total cell-free DNA from ≤ 10 ml serum, plasma, cerebrospinal fluid, amniotic fluid, and ≤ 5 ml saliva.

Format:
Spin-Column

Quick-DNA™ FFPE Kit

Rapid, high-quality DNA from FFPE tissue.

Format:
Spin-Column

Quick-DNA™ Kits

High-quality DNA from cells and whole blood.
(No Proteinase K)

Format:
Spin-Column
96-Well Plate

Quick-DNA™ Urine Kit

For total, cellular, or cell-free DNA from 5 - 40 ml of urine.

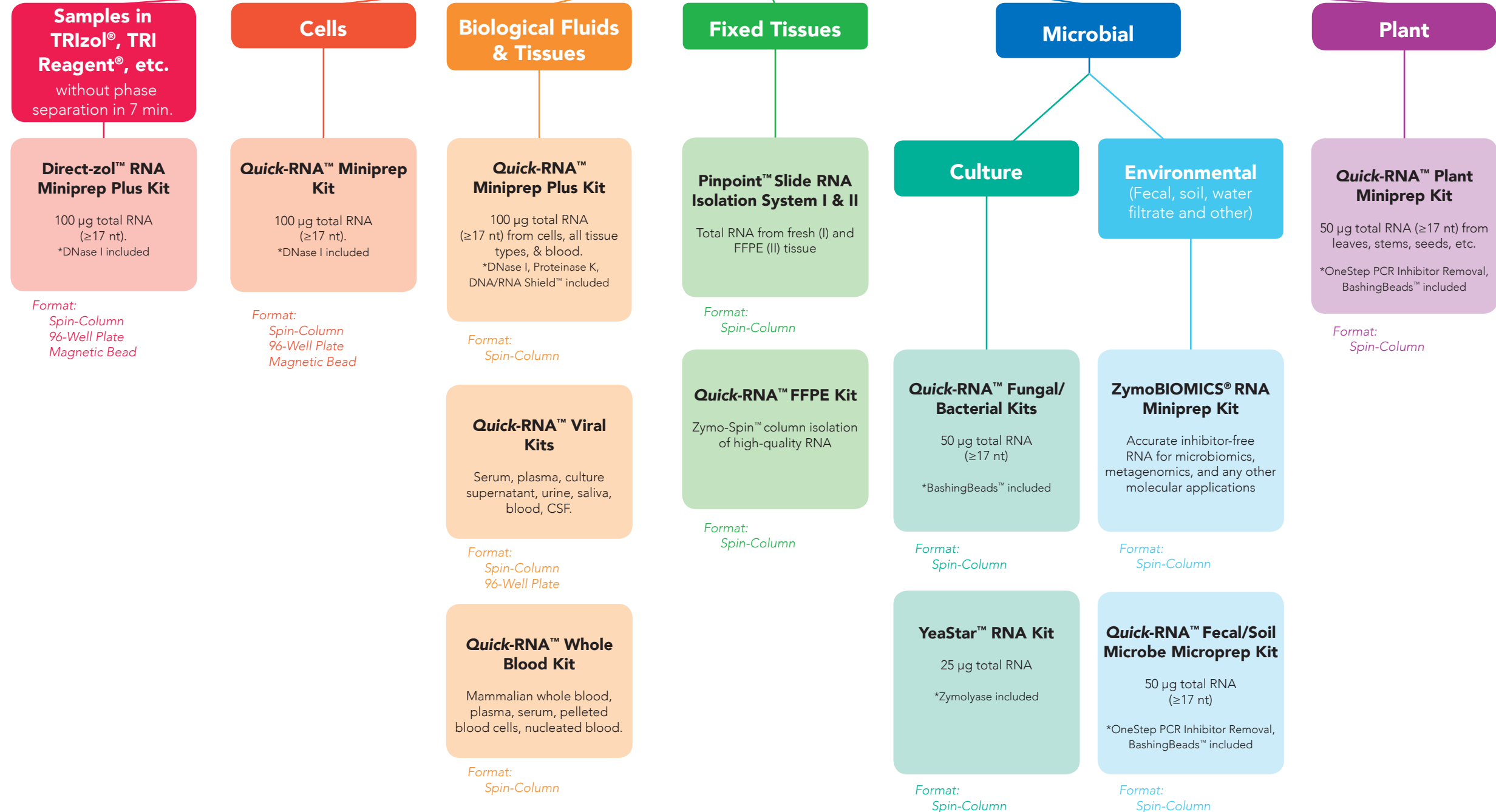
Format:
Spin-Column

Pinpoint® Slide DNA Isolation System

Convenient DNA isolation from glass-slides.

Format:
Spin-Column

RNA Isolation



RNA Clean-Up

**Enzymatic Reactions,
Impure and Diluted
Samples**

**RNA Clean &
Concentrator™ Kits**

RNA and (ss)DNA
(≥17 nt)

*Optionally supplied with DNase I

Format:
Spin-Column
96-Well Plate
Magnetic Bead

**Oligo Clean &
Concentrator™ Kits**

DNA & RNA
(10 to 200 nt) oligos and
probes.

Format:
Spin-Column
96-Well Plate

**Inhibitor
Removal**

**OneStep™ PCR
Inhibitor Removal Kits**

Removal of polyphenolics,
humic/fulvic acids, tannins,
melanins, etc. from DNA &
RNA.

Format:
Spin-Column
96-Well Plate

**Gel
Excisions**

**Zymoclean™ Gel RNA
Recovery Kit**

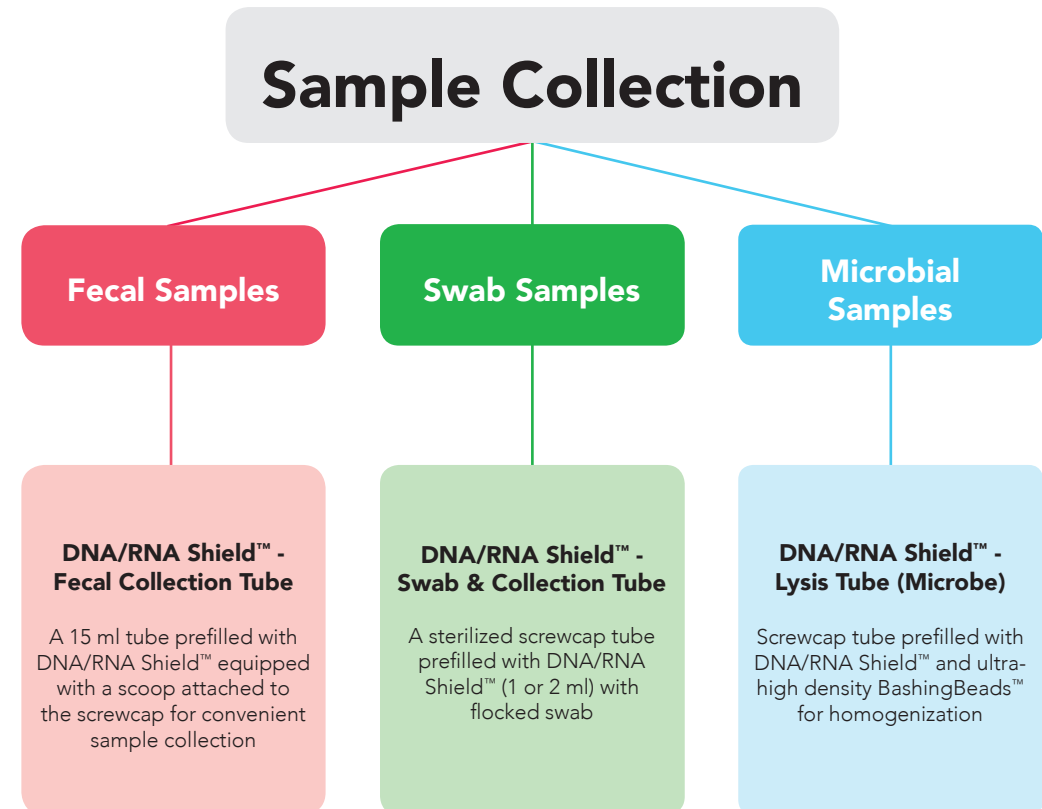
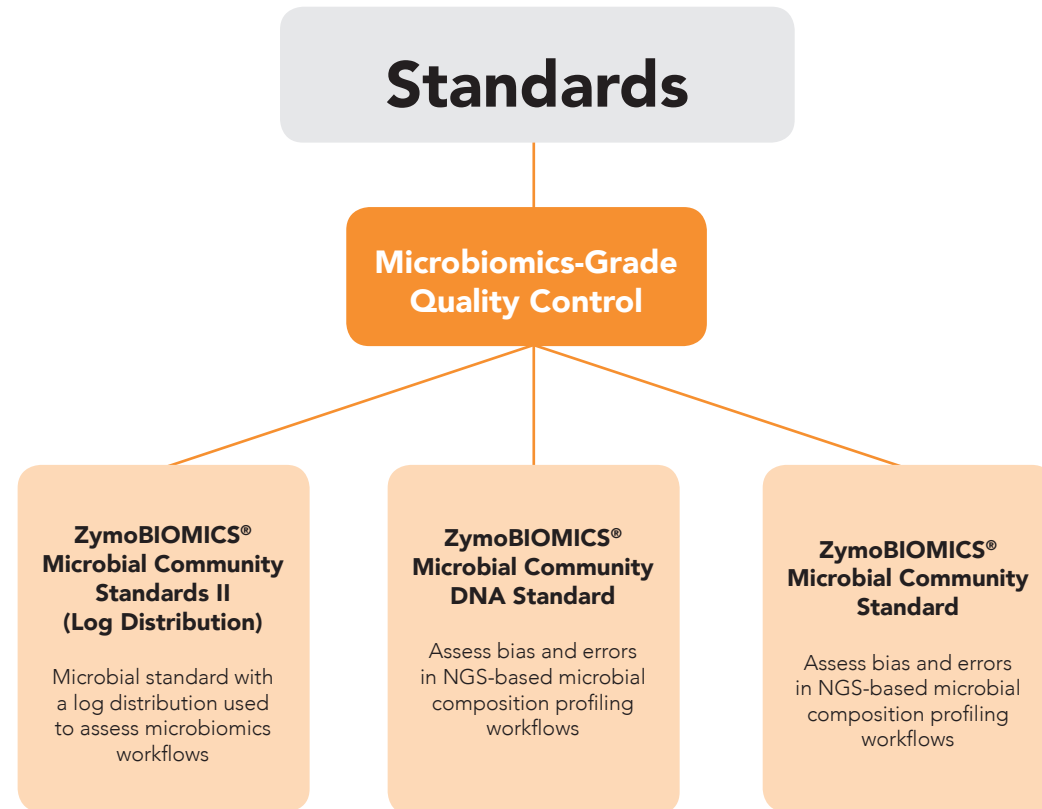
RNA (>200 nt)
from agarose gels.

Format:
Spin-Column

**ZR small-RNA™
PAGE Recovery Kit**

RNA (and DNA) (>17 nt) from
PAGE gels.

Format:
Spin-Column



DNA & RNA Isolation

DNA Isolation

ZymoBIOMICS® DNA Kits

Inhibitor-free microbial DNA from any sample validated for microbiomic and metagenomic analyses

RNA Isolation

ZymoBIOMICS® RNA Kits

Purification of microbial RNA for microbiome and metagenome analyses

DNA/RNA Isolation

ZymoBIOMICS® DNA/RNA Kits

Purification of microbial DNA/RNA for microbiome and metagenome analyses

Microbial DNA Isolation

HostZERO™ Microbial DNA Kit

Purification of microbial DNA coupled with depletion of host DNA from biological samples

Analysis

Quantification

ZymoBIOMICS® PCR PreMix

Low bioburden PCR PreMix with a hot-start polymerase

Next-Gen Sequencing

Femto™ Bacterial DNA Quantification Kit

Quantify as little 20 femtograms of bacterial DNA

Quick-16S NGS Library Prep Kit

A streamlined solution to convert up to 96 DNA samples to a single, ready-to-sequence 16S library

DNA Clean-up

Product Chart

	DNA Clean & Concentrator® -5	ZR-96 DNA Clean & Concentrator® -5	DNA Clean & Concentrator® -25	DNA Clean & Concentrator® -100	DNA Clean & Concentrator® -500	ZR-96 DNA Clean-up Kit™	Oligo Clean & Concentrator™	ZR-96 Oligo Clean & Concentrator™	Select-a-Size DNA Clean & Concentrator®	Select-a-Size DNA Clean & Concentrator® MagBead Kit
Specifications										
Format	Spin-Column	96-Well	Spin-Column	Spin-Column	Spin-Column	96-Well	Spin-Column	96-Well	Spin-Column	Magbead
Binding Capacity	5 µg	5 µg	25 µg	100 µg	500 µg	5 µg	5 µg	5 µg	3 µg	10 mg
Elution Volume	≥ 6 µl	≥ 6 µl	≥ 25 µl	≥ 150 µl	≥ 2 ml	≥ 30 µl	≥ 6 µl	≥ 10 µl	≥ 10 µl	≥ 10 ml
Processing Time	2 min.	15 min.	2 min.	15 min.	25 min.	20 min.	2 min.	20 min.	7 min.	10 min.
Applications										
cDNA/ssDNA Purification	•	•	•	•	•	•				
M13 Phage DNA	•	•	•	•	•	•				
PCR Clean-up	•	•	•	•	•	•			•	•
Enzyme Removal	•	•	•	•	•	•	•	•	•	•
dNTP/Dye Removal	•	•	•	•	•	•	•	•	•	•
Probe Purification	•	•	•	•	•	•	•	•	•	•
DNA/RNA Oligo Clean-up							•	•		
High Molecular Weight DNA Clean-up										•
Size Selection (eg. Library Prep, primer dimer removal)									•	•
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	Genomic DNA Clean & Concentrator® -10	Genomic DNA Clean & Concentrator® -25	ZR-96 Genomic DNA Clean & Concentrator® -5	ZR DNA Sequencing Clean-up Kit™	ZR-96 DNA Sequencing Clean-up Kit™	OneStep™ PCR Inhibitor Removal	OneStep-96™ PCR Inhibitor Removal	Zymoclean™ Gel DNA Recovery Kit	ZR-96 Zymoclean™ Gel DNA Recovery Kit	Zymoclean™ Large Fragment DNA Recovery Kit
Specifications										
Format	Spin-Column	Spin-Column	96-Well	Spin-Column	96-Well	Spin-Column	96-Well	Spin-Column	96-Well	Spin-Column
Binding Capacity	10 µg	25 µg	5 µg	5 µg	5 µg	No DNA/RNA Binding	No DNA/RNA Binding	5 µg	5 µg	10 µg
Elution Volume	≥ 10 µl	≥ 15 µl	≥ 15 µl	≥ 6 µl	≥ 15 µl	50 - 200 µl	50 - 100 µl	≥ 6 µl	≥ 15 µl	≥ 10 µl
Processing Time	5 min.	5 min.	20 min.	2 min.	10 min.	5 min.	10 min.	15 min.	20 min.	15 min.
Applications										
PCR Clean-up	•	•	•							
Enzyme Removal	•	•	•	•	•					
dNTP/Dye Removal	•	•	•	•	•					
Probe Purification				•	•					
High Molecular Weight DNA Clean-up	•	•	•							
Sequencing DNA Clean-up				•	•					
Dye Terminator Removal				•	•					
Removal of Polyphenolic Inhibitors						•	•			
DNA From Agarose Gel Slices								•	•	
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Plasmid DNA Purification

Product Chart

	ZymoPURE™ Plasmid Miniprep Kit	ZymoPURE™ II Plasmid Midiprep Kit	ZymoPURE™ II Plasmid Maxiprep Kit	ZymoPURE™ II Plasmid Gigaprep Kit	ZymoPURE-Express™ Plasmid Midiprep Kit
Specifications					
Format	Spin-Column	Spin-Column	Spin-Column	Spin-Column	Spin-Column
Elution Volume	≥ 25 µl	≥ 100 µl	≥ 200 µl	≥ 2 ml	≥ 200 µl
Processing Time	15 min.	18 min.	18 min.	50 min.	15 min.
Culture Input	5 ml	50 ml	150 ml	2.5 L	25 ml
DNA Yield	up to 100 µg	up to 300 µg	up to 1.2 mg	up to 10 mg	up to 1.2 mg
Endotoxins	≤ 0.9 EU/µg	≤ 0.025 EU/µg	≤ 0.025 EU/µg	≤ 0.025 EU/µg	≤ 0.025 EU/µg
Applications					
For Use In Transfection	•	•	•	•	•
For Use in Highly Sensitive Applications					
Pellet-free (Direct From Culture)					•
Plasmid Recovery From <i>E. coli</i>	•	•	•	•	•
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	Zyppy® Plasmid Miniprep Kit	Zyppy® -96 Plasmid Miniprep Kit	Zyppy® -96 Plasmid MagBead Miniprep	ZR Plasmid Miniprep™ -Classic	ZR BAC DNA Miniprep Kit	Zymoprep™ Yeast Plasmid Miniprep I	Zymoprep™ Yeast Plasmid Miniprep II
Specifications							
Format	Spin-Column	96-Well	Magnetic Beads	Spin-Column	Spin-Column	Isopropanol Precipitation	Spin-Column
Elution Volume	≥ 30 µl	≥ 30 µl	≥ 30 µl	≥ 30 µl	≥ 10 µl	≥ 35 µl	≥ 10 µl
Processing Time	8 min.	45 min.	1 hr.	15 min.	15 min.	15 min.	25 min.
Culture Input	600 µl - 3 ml	750 µl	750 µl	up to 5 ml	500 µl - 5 ml	0.5 - 1 ml	0.1-1.5 ml
DNA Yield	up to 25 µg	up to 10 µg	up to 10 µg	20 - 100 µg	up to 10µg	0.01-0.3 ng	0.01-0.3 ng
Endotoxins	< 50 EU/µg	< 50 EU/µg	< 50 EU/µg	< 50 EU/µg	-	-	-
Applications							
For Use In Transfection	•	•	•	•	•	•	•
Pellet-free (Direct from Culture)	•	•	•				
Plasmid Recovery from <i>E. coli</i>	•	•	•	•			
Large Plasmid Recovery from <i>E. coli</i>					•		
Plasmid Recovery from Yeast						•	•
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Genomic DNA Purification

Product Chart

	Quick-DNA™ Urine Kit	Quick-cfDNA™ Serum & Plasma Kit	Quick-DNA™ FFPE Kit	Pinpoint® Slide DNA Isolation System	YeaStar™ Genomic DNA Kit	Quick-DNA™ Viral Kit	Quick-DNA™ Viral 96 Kit
Specifications							
Format	Spin-Column	Spin-Column	Spin-Column	Spin-Column	Spin-Column	Spin-Column	96-Well
Binding Capacity	5 µg	≤100ng	25 µg	5 µg	25 µg	5 µg	5 µg
Elution Volume	≥ 10 µl	≥ 35 µl	≥ 30 µl	≥ 10 µl	≥ 60 µl	≥ 6 µl	≥ 10 µl
Processing Time	15 min.	varies	1 hr.	5 hr.	30 min.	15 min.	25 min.
Applications/Samples							
Cultured Cells						•	•
Buccal Cells/Swabs/Saliva							
Whole Blood						•	•
Semen							
Fresh/Frozen Soft Tissue							
Fresh/Frozen Solid Tissue			•				
Tail Snips/Ear Punches							
Hair and Feathers							
Glass Slide			•	•			
FFPE Tissue Sections			•	•			
Tissue Sections				•			
Mitochondria							
Viral DNA						•	•
Plasma/Serum -Cell Free DNA		•				•	•
Urine -Cell Free & Cellular DNA	•						
Urine Sediment	•						
Cerebrospinal Fluid		•					
Amniotic Fluid		•					
Microbes previously lysed with enzymes or mechanical methods							
Fungi Susceptible to Yeast Lytic Enzyme					•		
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Environmental DNA Purification

Product Chart

	Quick-DNA™ Fecal/Soil Microbe Microprep Kit	Quick-DNA™ Fecal/Soil Microbe Miniprep Kit	Quick-DNA™ Fecal/Soil Microbe Midiprep Kit	Quick-DNA™ Fecal/Soil Microbe 96 Kit	Quick-DNA™ Fungal/Bacterial Microprep Kit	Quick-DNA™ Fungal/Bacterial Miniprep Kit	Quick-DNA™ Fungal/Bacterial Midiprep Kit	Quick-DNA™ Fungal/Bacterial 96 Kit
Specifications								
ZR BashingBead™ Lysis	•	•	•	•	•	•	•	•
Format	Spin-Column	Spin-Column	Spin-Column	96-Well	Spin-Column	Spin-Column	Spin-Column	96-Well
Binding Capacity	5 µg	25 µg	125 µg	5 µg	5 µg	25 µg	125 µg	5µg
Elution Volume	≥ 10 µl	≥ 25 µl	≥ 150 µl	≥ 50 µl	≥ 10 µl	≥ 25 µl	≥ 150 µl	≥ 50 µl
Removal of Humic, Fulvic, and Polyphenolic Substances	•	•	•	•				
Processing Time	15 min.	15 min.	25 min.	50 min.	10 min.	10 min.	20 min.	40 min.
Applications								
Environmental Sources								
Soil	•	•	•	•				
Sediment	•	•	•	•				
Sludge	•	•	•	•				
Feces	•	•	•	•				
Microorganisms								
Bacteria	•	•	•	•	•	•	•	•
Fungi	•	•	•	•	•	•	•	•
Algae	•	•	•	•	•	•	•	•
Protists	•	•	•	•	•	•	•	•
Tough-to-Lyse Tissues								
Soft Tissues	some	some	some	some	some	some	some	some
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	Quick-DNA™ Plant/Seed DNA Miniprep Kit	Quick-DNA™ Plant/Seed 96 Kit	Quick-DNA™ Tissue & Insect Microprep Kit	Quick-DNA™ Tissue & Insect DNA Miniprep Kit	Quick-DNA™ Tissue & Insect 96 Kit
Specifications					
ZR BashingBead™ Lysis	•	•	•	•	•
Format	Spin-Column	96-Well	Spin-Column	Spin-Column	96-Well
Binding Capacity	25 µg	5 µg	5 µg	25 µg	5 µg
Elution Volume	≥ 25 µl	≥ 25 µl	≥ 10 µl	≥ 25 µl	≥ 50 µl
Removal of Humic, Fulvic, and Polyphenolic Substances	•	•			
Processing Time	15 min.	50 min.	10 min.	10 min.	40 min.
Applications					
Tough-to-Lyse Tissues					
Soft Tissues			•	•	•
Solid Tissues (Food)			•	•	•
Tough-to-Lyse Tissues			•	•	•
Tough-to-Lyse Organisms			•	•	•
Insects/Arthropods			•	•	•
Plant Material	•	•			
Seeds	•	•			
Fruit	•	•			
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RNA Clean-up

Product Chart

	RNA Clean & Concentrator™ -5	RNA Clean & Concentrator™ -25	RNA Clean & Concentrator™ -100	ZR-96 RNA Clean & Concentrator™	ZymoClean™ Gel RNA Recovery Kit	ZR small-RNA™ PAGE Recovery Kit	OneStep™ PCR Inhibitor Removal	OneStep™ -96 PCR Inhibitor Removal
Specifications								
Format	Spin-Column	Spin-Column	Spin-Column	96-Well	Spin-Column	Spin-Column	Spin-Column	96-Well
Binding Capacity	10 µg	50 µg	250 µg	25 µg	10 µg	10 µg	No DNA/RNA Binding	
Elution Volume	≥ 6 µl	≥ 25 µl	≥ 100 µl	≥ 10 µl	≥ 6 µl	≥ 6 µl	50 - 200 µl	50 - 100 µl
Processing Time	5 min.	5 min.	15 min.	20 min.	30 min.	45 min.	5 min.	10 min.
Applications								
RNA Clean-up	•	•	•	•				
DNA-free RNA	•	•	•	•				
Enzyme Removal	•	•	•	•				
Nucleotide/Dye Removal	•	•	•	•				
Small-RNA/Probe Purification	•	•	•	•				
RNA From Agarose Gel Slices					•			
RNA From Polyacrylamide Gel Slices						•		
Removal of Polyphenolic RT Inhibitors							•	•
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Environmental RNA Purification

Product Chart

	Quick-RNA™ Fecal/Soil Microbe Microprep Kit	Quick-RNA™ Fungal/Bacterial Microprep Kit	Quick-RNA™ Fungal/Bacterial Miniprep Kit	Quick-RNA™ Tissue & Insect Microprep Kit	Quick-RNA™ Plant RNA Miniprep Kit
Specifications					
Format	Spin-Column	Spin-Column	Spin-Column	Spin-Column	Spin-Column
Binding Capacity	10 µg	10 µg	50 µg	10 µg	50 µg
Elution Volume	≥ 6 µl	≥ 6 µl	≥ 25 µl	≥ 6 µl	≥ 25 µl
Removal of Polyphenolic RT Inhibitors	•				•
Processing Time	15 min.	15 min.	15 min.	15 min.	15 min.
Applications					
Soil	•				
Sediment	•				
Sludge	•				
Feces	•				
Bacteria	•	•	•		
Fungi	•	•	•		
Algae	•	•	•		
Protists	•	•	•		
Food		•	•	•	
Soft Tissues				•	
Tough-to-Lyse Tissues				•	
Tough-to-Lyse Organisms				•	
Insects/Arthropods				•	
Plant Material					•
Seeds					•
Fruit					•
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RNA Isolation

Product Chart

	Direct-zol™ RNA Microprep Kit	Direct-zol™ RNA Miniprep Kit	Direct-zol™ RNA Miniprep Plus Kit	Direct-zol™ 96 RNA Kit	Direct-zol™ 96 MagBead RNA Kit	Quick-RNA™ Microprep Kit	Quick-RNA™ Miniprep Kit	Quick-RNA™ Miniprep Plus Kit	Quick-RNA™ Midiprep Kit	Quick-RNA™ 96 Kit
Specifications										
Format	Spin-Column	Spin-Column	Spin-Column	96-Well	96-Well	Spin-Column	Spin-Column	Spin-Column	Spin-Column	96-Well
Binding Capacity	10 µg	50 µg	100 µg	10 µg	10 µg	10 µg	100 µg	100 µg	1 mg	10 µg
Elution Volume	≥ 6 µl	≥ 25 µl	≥ 50 µl	≥ 10 µl	≥ 50 µl	≥ 6 µl	≥ 50 µl	≥ 50 µl	≥ 200 µl	≥ 25 µl
Processing Time	10 min.	10 min.	10 min.	30 min.	2 hr.	10 min.	10 min.	10 min.	10 min.	30 min.
Features										
Isolation from TRIzol®, TRI Reagent®, etc.	•	•	•	•	•					
Non-Organic RNA Extraction						•	•	•	•	•
Viral Inactivation	•	•	•	•	•			•		
Small RNA Purification (miRNA)	•	•	•	•	•	•	•	•	•	•
DNA/RNA Shield™ Compatible	•	•	•	•	•	•	•	•	•	•
Applications										
Fresh/Frozen Soft Tissue	•	•	•	•	•	•	•	•	•	•
Cultured Cells	•	•	•	•	•	•	•	•	•	•
Buccal Cells/Swabs	•	•	•	•	•	•	•	•	•	•
Buffy Coat	•	•	•	•	•	•	•	•	•	•
Whole Blood	•	•	•	•	•			•		
Plasma/Serum	•	•	•	•	•			•		
Virus	•	•	•	•	•			•		
Biological Fluids						•	•	•	•	•
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	Quick-RNA™ Viral Kit	Quick-RNA™ Viral 96 Kit	Quick-RNA™ Whole Blood Kit	ZR Urine RNA Isolation Kit™	Pinpoint™ Slide RNA Isolation System I Kit	Pinpoint™ Slide RNA Isolation System II Kit	Quick-RNA™ FFPE Kit	Quick-cfRNA™ Serum & Plasma Kit	YeaStar™ RNA Kit
Specifications									
Format	Spin-Column	96-Well	Spin-Column	Spin-Column	Spin-Column	Spin-Column	Spin-Column	Spin-Column	Spin-Column
Binding Capacity	10 µg	10 µg	10 µg	10 µg	10 µg	10 µg	50 µg	≤100ng	25 µg
Elution Volume	≥ 6 µl	≥ 10 µl	≥ 6 µl	≥ 6 µl	≥ 6 µl	≥ 6 µl	≥ 25 µl	15 µl	≥ 60 µl
Processing Time	6 min.	15 min.	45 min.	15 min.	1.5 hr.	6.5 hr.	1.5 hr.	2 hr.	1 hr.
Applications									
Frozen Tissue Sections					•				
Fixed Tissue Sections						•	•		
Buccal Cells/Swabs	•	•							
Plasma/Serum	•	•	•					•	
Urine				•					
Virus	•	•							
Microvesicles				•					
Exosomes				•					
Fungi Susceptible to Yeast Lytic Enzyme									•
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DNA/RNA Co-Purification

Product Chart

	Quick-DNA/RNA™ Miniprep Kit	ssDNA/RNA Clean & Concentrator™	Quick-DNA/RNA™ Viral Kit	Quick-DNA/RNA™ Viral 96 Kit
Specifications				
Format	Spin-Column	Spin-Column	Spin-Column	96-Well
Binding Capacity	25 µg DNA 25 µg RNA	10 µg	25ug DNA 50ug RNA	10 µg
Elution Volume	≥ 50 µl DNA ≥ 25 µl RNA	≥ 6 µl	≥ 35 µl	≥ 10 µl
Processing Time	15 min.	10 min.	5 min.	15 min.
Applications				
Parallel Purification	•			
Co-Purification		•	•	•
Fresh/Frozen Soft Tissue	•			
Fresh/Frozen Solid Tissue	limited			
Bacteria	limited			
Yeast	limited			
Buffy Coat	•			
Cultured Cells	•			
Small RNA	•	•		
Probe Purification		•		
Whole Blood (≤ 50 µl)			•	•
Plasma/Serum			•	•
Virus			•	•
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	Quick™ -DNA/RNA Magbead	Quick™ -DNA RNA Blood Tube	Quick™ -DNA/RNA FFPE	Zymobiomics DNA/RNA Miniprep	Quick™ -DNA/RNA Pathogen	Quick™ -DNA/RNA Pathogen Magbead
Specifications						
Format	Magbead	Spin Column	Spin column	Spin Column	Column	Magbead
Binding Capacity	20 ug	50 ug	50 ug	100 ug	50 ug	10 ug
Elution Volume	50 ul	> 50 ul	>25 ul	50 ul	25 ul	50 ul
Processing Time	60 min	50 min	90 min	25 min	10 min	35 min
Applications						
Parallel Purification	•		•	•		
Co-Purification	•	•	•	•	•	•
Fresh/Frozen soft tissue	•				•	•
Fresh/Frozen solid tissue	limited				•	•
Bacteria	limited			•	•	•
Yeast	limited			•	•	•
Buffy Coat	•				•	•
Cultured Cells	•					
Liquid Biopsies	•				•	•
Small RNA	•	•	•	•		
Probe Purification						
Whole Blood (<50 ul)	•	•			•	•
Blood Tube (< 3 ml)		•				
Plasma/Serum						
Virus					•	•
Plants	limited				•	•
Insects					•	•
Soil	limited			•		
Swabs	•			•		
Feces	limited			•		
FFPE	limited		•			
Water	limited			•		
Urine	limited					
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Microbiomics

Product Chart

	ZymoBIOMICS® Microbial Community Standard	ZymoBIOMICS® Microbial Community DNA Standard	ZymoBIOMICS® Microbial Community DNA Standard	ZymoBIOMICS® Microbial Community Standard II (Log Distribution)	ZymoBIOMICS® Microbial Community DNA Standard II (Log Distribution)
Specifications					
Size	10 preps	200 ng	2,000 ng	10 preps	220 ng
Storage solution	DNA/RNA Shield™	10 mM Tris-HCl and 0.1 mM EDTA, pH 8.0		DNA/RNA Shield™	10 mM Tris-HCl and 0.1 mM EDTA, pH 8.0
Impurity level	< 0.01% foreign microbial DNA				
Source					
A mixture of ten inactivated microorganisms (bacterial and fungal)	•			•	
A mixture of genomic dna from ten microbial strains		•	•		•
Applications					
Assessment of bias that comes from DNA Extraction protocol and all other downstream steps	•			•	
Assessment of bias within library preparation and 16S rRNA sequencing		•	•		•
Assessment of bias within library preparation and whole genome sequencing		•	•		•
Assessment of detection limit of workflows due to logarithmic distribution				•	•
Assessment of profiling accuracy across a broad range of abundance				•	•
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	ZymoBIOMICS® DNA Microprep Kit	ZymoBIOMICS® DNA Miniprep Kit	ZymoBIOMICS® 96 DNA Kit	ZymoBIOMICS® 96 MagBead Kit	ZymoBIOMICS® RNA Miniprep Kit	ZymoBIOMICS® DNA/RNA Miniprep Kit
Specifications						
Format	Spin-Column	Spin-Column	96-Well	96-Well	Spin-Column	Spin-Column
Binding Capacity	5 µg	25 µg	5 µg	5-20 µg	100 µg	100 µg
Elution Volume	≥10 µl	≥ 50 µl	≥ 20 µl	≥ 50 µl	≥ 50 µl	≥ 50 µl
Processing Time	20 min.	20 min.	45 min.	90 min.	20 min.	20 min.
Features						
Mixed Beads For Accurate Lysis From Diverse Microbial Communities	•	•	•	•	•	•
Low Bioburden	•	•	•	•	•	•
PCR Inhibitor Removal Technology	•	•	•	•	•	•
Applications						
Fecal	•	•	•	•	•	•
Soil	•	•	•	•	•	•
Water	•	•	•	•	•	•
Biofilm	•	•	•	•	•	•
Swabs	•	•	•	•	•	•
Biological Fluids	•	•	•	•	•	•
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Sample Collection & Storage

Product Chart

	DNA/RNA Shield™ -Blood Collection Tube	DNA/RNA Shield™ -Fecal Collection Tube	DNA/RNA Shield™ -Lysis Tube (Microbe)	DNA/RNA Shield™ -Lysis Tube (Tissue)	DNA/RNA Shield™ Swab & Collection Tube	Urine Conditioning Buffer™ (UCB™)	DNA/RNA Shield™ Reagent	DNA/RNA Shield™ Reagent (2X concentrate)
Specifications								
Format	Evacuated Blood Tube	Fecal Collection Tube with Scoop	Lysis Tube	Lysis Tube	Collection Tube & Sterile Swab	Bulk Reagent	Bulk Reagent	Bulk Reagent
Bottle or Tube Size	10 ml	15 ml tube	2 ml (0.1 & 0.5 mm beads)	2 ml (2.0 mm beads)	12 x 80 mm screwcap tube	8 or 140 ml	50 or 250 ml	25 or 125 ml
Tube Fill	6 ml	9 ml	1 ml	1 ml	1 ml & 2 ml	N/A	N/A	N/A
Uses								
Blood Samples	•						•	•
Fecal Samples		•	•		•		•	•
Swab Samples			•		•		•	•
Environmental Samples			•		•		•	•
Pathogen Samples			•		•		•	•
Tissue & Insect Samples				•			•	•
Urine Samples						•		
Applications								
Microbiomic Analysis	•	•	•	•	•	•	•	•
Gene Expression Analysis	•	•	•	•	•	•	•	•
Pathogen Detection	•	•	•	•	•	•	•	•
miRNA Analysis	•	•	•	•	•	•	•	•
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