

Quick-gDNA™ Kits

The Best Quality gDNA for PCR, Sequencing & Bisulfite Conversion

- ✓ High quality DNA from whole blood, plasma, serum, tissue culture, and soft tissues.
- ✓ Innovative buffer chemistries effectively remove PCR inhibitors.
- ✓ Eluted DNA is ideal for PCR, microarrays, sequencing, genotyping, bisulfite conversion/methylation detection, etc.



The **Quick-gDNA™ Kits** are products for the rapid isolation of total DNA (e.g., genomic, mitochondrial, viral) from a variety of biological sample sources. The products have been optimized for maximal recovery of ultra-pure DNA without RNA contamination and are compatible with whole blood (fresh or stored), serum, plasma, buffy coat, soft tissue, bone marrow and buccal cells, cells from culture, and many biological liquid samples. For processing, simply add the specially formulated **Genomic Lysis Buffer** to a sample, vortex, then purify the DNA using **Fast-Spin** column/plate technology. There is no need for organic denaturants or Proteinase K digestion. DNA purified using the **Quick-gDNA™** kits is suitable for PCR, hybridization, sequencing, endonuclease digestion, bisulfite conversion/methylation analysis, and other downstream applications. The family of **Quick-gDNA™** products includes four kits with differing processing capacities (see side panel and figure below). See reverse side for ordering information.

Specifications

Format

Spin column, 96-well plate

DNA Binding Capacities

Quick-gDNA™ MicroPrep: 5 µg/prep.

Quick-gDNA™ MiniPrep: 25 µg/prep.

Quick-gDNA™ MidiPrep: 125 µg/prep.

ZR-96 Quick-gDNA™: 5 µg/well

Processing Times*

Quick-gDNA™ MicroPrep: ≤ 15 min.

Quick-gDNA™ MiniPrep: ≤ 15 min.

Quick-gDNA™ MidiPrep: ≤ 30 min.

ZR-96 Quick-gDNA™: ≤ 30 min.

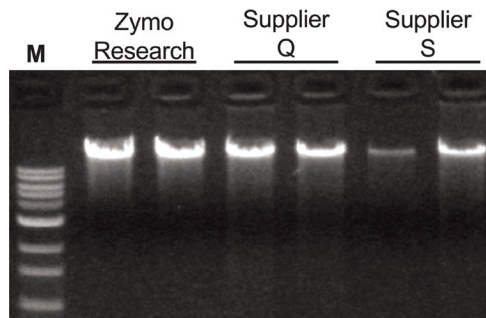
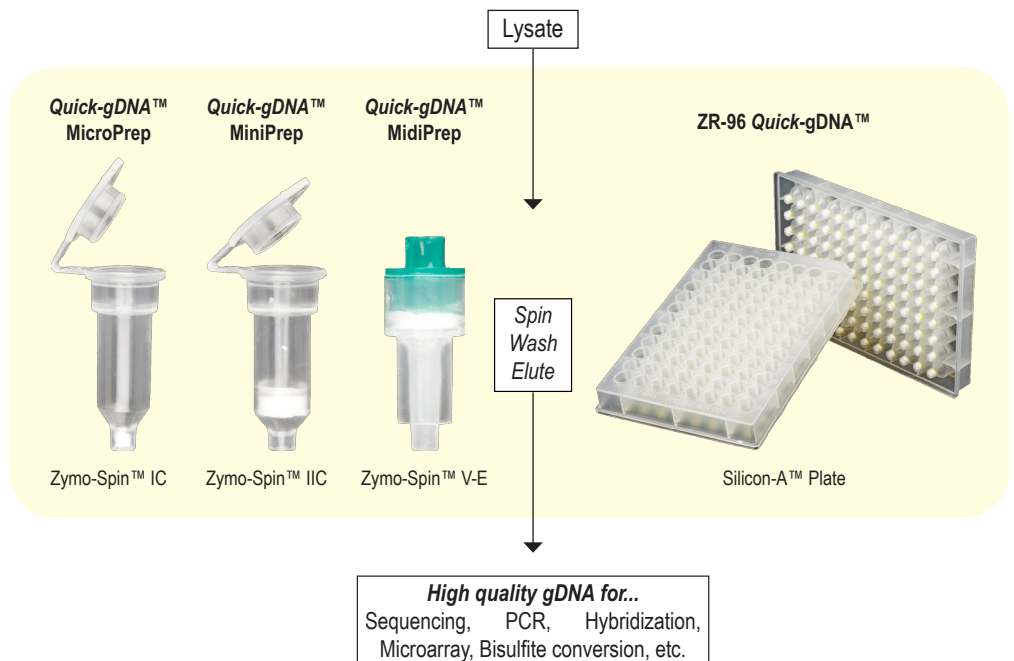
DNA Purity

$A_{260}/A_{280} > 1.8$; $A_{260}/A_{230} > 1.8$

DNA Yield

3-7 µg DNA per 100 µl blood. Skeletal, heart, and brain tissues yield 1-3 µg DNA per mg. Liver, kidney and lung tissues yield 3-5 µg DNA per mg.

*Time for processing blood samples; times may vary for other sample types.



High yield/quality DNA isolated from whole blood using the **Quick-gDNA™ MiniPrep**. Equal amounts (100 µl) of blood were processed without Proteinase K using the **Quick-gDNA™ MiniPrep** in half the time as the kits from suppliers **Q** and **S**. Equal volumes of eluted DNA were analyzed (in duplicate) in a 0.8% (w/v) agarose gel. M: 1 kb ladder (Zymo Research).



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple

Toll-Free 1-888-882-9682
Main 1-714-288-9682
Fax 1-714-288-9643
Email info@zymoresearch.com
Web www.zymoresearch.com

ZymoBead™ Genomic DNA Kit

Scalable Genomic DNA Purification with DNA Affinity Beads

- ✓ High quality DNA from whole blood, plasma, serum, tissue culture, and soft tissues.
- ✓ Innovative buffer chemistries effectively remove PCR inhibitors.
- ✓ Eluted DNA is ideal for PCR, microarrays, sequencing, genotyping, bisulfite conversion/methylation detection, etc.

Specifications

Format

DNA Affinity Beads

Binding Capacity

5 µg DNA/10 µl ZymoBead™ slurry

Elution Volume

Scalable

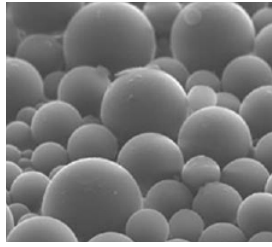
Processing Time*

20 min.

DNA Purity

$A_{260}/A_{280} > 1.8$; $A_{260}/A_{230} > 1.8$

*Time for processing blood samples; times may vary for other sample types.



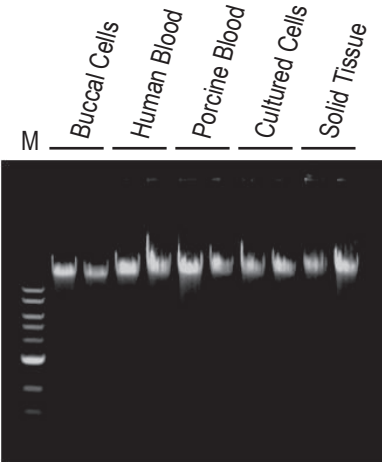
The ZymoBead™ Genomic DNA Kit is designed for the rapid isolation of total DNA (e.g., genomic, mitochondrial, viral) without RNA contamination from a variety of biological sample sources such as whole blood (fresh or stored), serum, plasma, buffy coat, soft tissue, bone marrow and buccal cells, cell culture, and many biological liquid samples. Simply add the specially formulated **Genomic Lysis Buffer** to a sample in a 1.5 ml tube, add **ZymoBeads™**, vortex, then centrifuge. There is no need for organic denaturants or Proteinase K digestion, and PCR inhibitors are effectively removed during the purification process. DNA purified using the **ZymoBead™ Genomic DNA Kit** is suitable for PCR, nucleotide blotting, DNA sequencing, endonuclease digestion, bisulfite conversion/methylation analysis, and other downstream applications.

Sample
+
Lysis Buffer with ZymoBeads™



Ultra-pure DNA for...

- ✓ PCR
- ✓ Endonuclease Digestion
- ✓ Genotyping
- ✓ Bisulfite Conversion & Methylation Analysis



DNA isolation using the ZymoBead™ Genomic DNA Kit. Purifications were performed in duplicate for each sample and an equal volume of eluted DNA was loaded into each lane of a 0.8% (w/v) TAE/agarose/ethidium bromide gel. M: 1 kb DNA ladder (Zymo Research).

Ordering Information

Product Description	Catalog No.	Kit Size
Quick-gDNA™ MicroPrep	D3020	50 preps.
	D3021	200 preps.
Quick-gDNA™ MiniPrep	D3006	50 preps. (uncapped columns)
	D3007	200 preps. (uncapped columns)
	D3024	50 preps. (capped columns)
	D3025	200 preps. (capped columns)
Quick-gDNA™ MidiPrep	D3100	25 preps.
ZR-96 Quick-gDNA™	D3010	2 x 96 preps.
	D3011	4 x 96 preps.
	D3012	10 x 96 preps.
ZymoBead™ Genomic DNA Kit	D3004	~ 100 preps.
	D3005	~ 400 preps.

Note - ™ Trademarks of Zymo Research Corporation. These products are for research use only and should only be used by trained professionals. These products are not intended for use in diagnostic procedures. Some reagents included with these kit are irritants. Wear protective gloves and eye protection. Follow the safety guidelines and rules enacted by your research institution or facility. The *Quick-gDNA™ MiniPrep* was formerly listed as the ZR Genomic DNA II Kit™. The ZR-96 *Quick-gDNA™* was formerly listed as ZR-96 Genomic DNA II Kit™. The ZymoBead™ Genomic DNA Kit was formerly listed as ZR Genomic DNA I Kit™.