



ZYMO RESEARCH
The Beauty of Science is to Make Things Simple

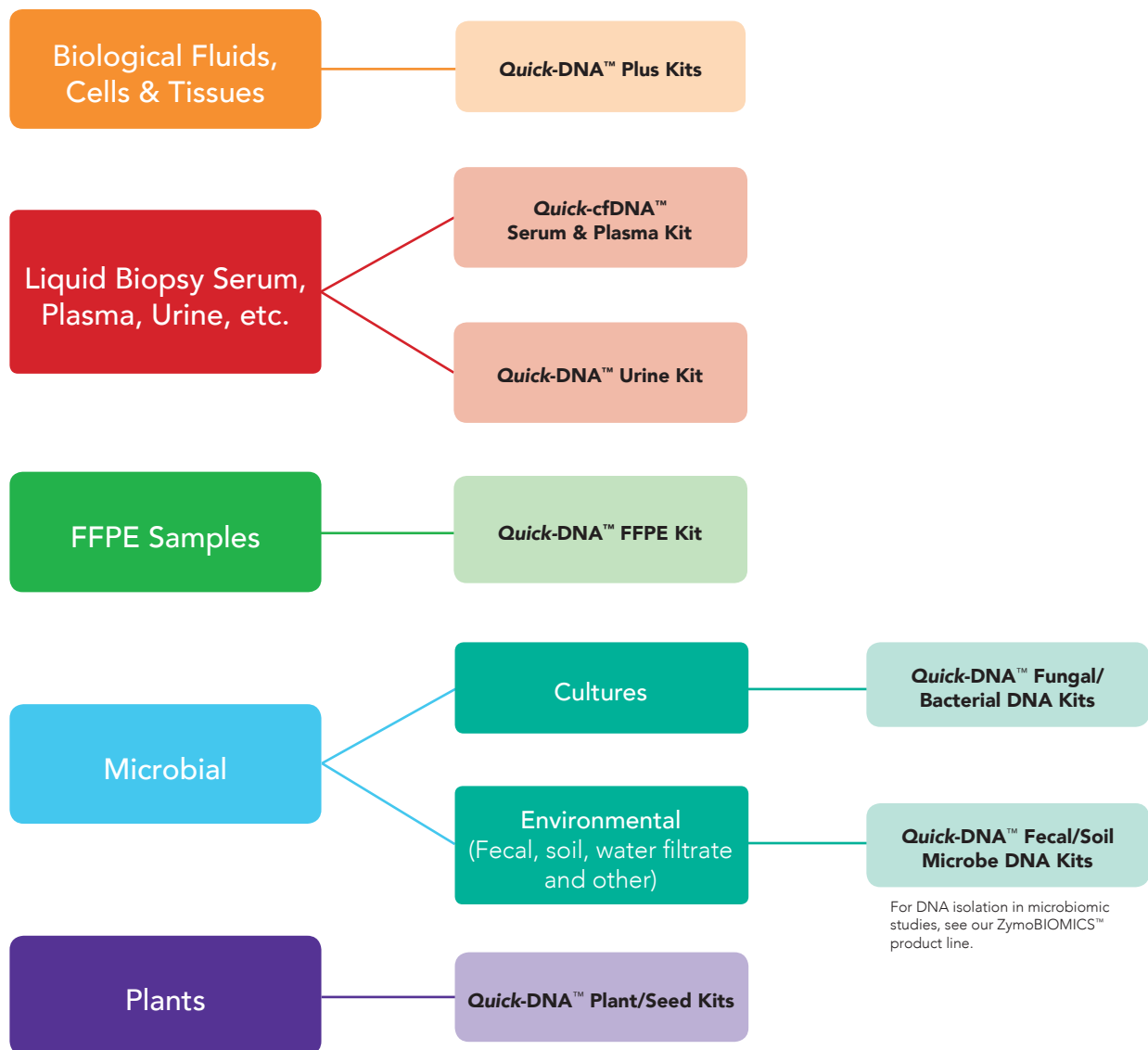
DNA from any Sample

Quick-DNA™



Quick-DNA™ Overview

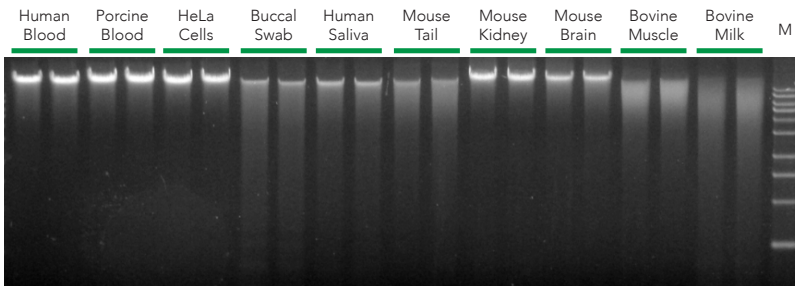
Zymo Research offers a range of genomic DNA isolation kits that are suitable for extracting high molecular weight DNA from a wide variety of sample types including tissue, fresh and paraffin-embedded tissue sections, cultured cells, saliva, buccal cells, whole blood, plasma, serum, urine, bacteria, fungi, yeast, algae, viruses, and mitochondria. Our genomic DNA isolation kits yield high-quality DNA that is ideal for use in any sensitive downstream applications such as PCR, DNA sequencing, endonuclease digestion, and methylation detection.



Learn more at www.zymoresearch.com/dna/quick-dna-plus

Quick-DNA™ Plus Kits

- Extract high-quality DNA easily and reliably from any biological fluids, cultured/monolayer cells, or solid tissues
- Zymo-Spin™ technology ensures DNA is ready for all sensitive downstream applications such as qPCR, DNA-sequencing, arrays, and methylation analysis.



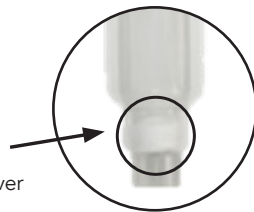
High-quality DNA from any sample

High-quality DNA obtained from a wide range of biological samples using the Quick-DNA™ Miniprep Plus Kit. DNA purified using the Quick-DNA™ Miniprep Plus Kit is ultra-pure, highly concentrated, and ready for all downstream applications. Input DNA was standardized to 300 ng and analyzed in a 1% (w/v) TAE/agarose/EtBr gel. The size marker "M" is a 1 kb ladder (Zymo Research).

Purity Redefined

Zymo Research

0 µl
Carryover



vs.

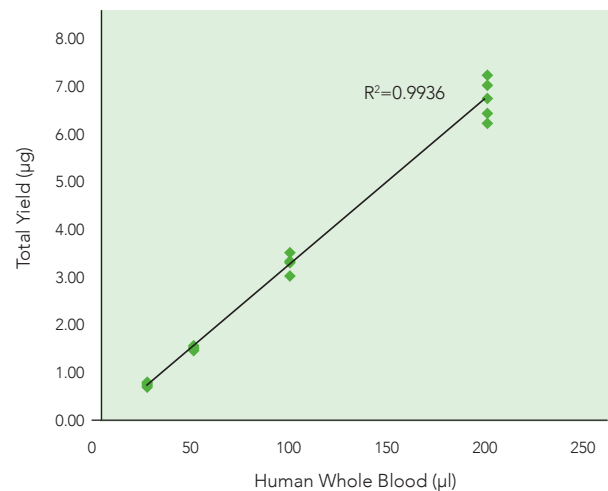
Supplier Q

2-3 µl
Contamination



Zymo-Spin™ technology ensures no carryover of buffer, salts, or other PCR inhibitors. DNA is ready for all sensitive downstream applications such as qPCR, Next-Generation sequencing arrays, and methylation analysis.

Reliable & Consistent



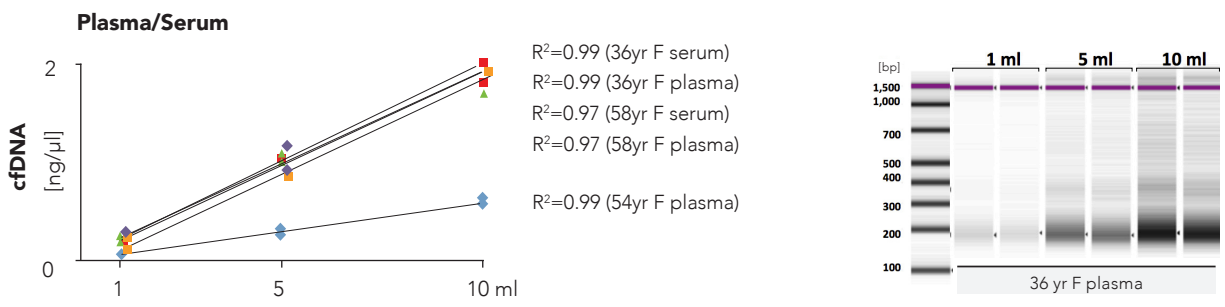
DNA Yields Increase Linearly with Increasing Volumes of Human Whole Blood Using the Quick-DNA™ Miniprep Plus Kit. Six replicates of 25, 50, 100, and 200 µl of human whole blood were processed.

Product	Cat. No.	Size
Quick-DNA™ Microprep Plus Kit	D4074	50 preps
Quick-DNA™ Miniprep Plus Kit	D4068T	10 preps
	D4068	50 preps
	D4069	200 preps
Quick-DNA™ Miniprep Kit (no Proteinase K)	D3024	50 preps
	D3025	200 preps

Quick-cfDNA™ Serum & Plasma Kit

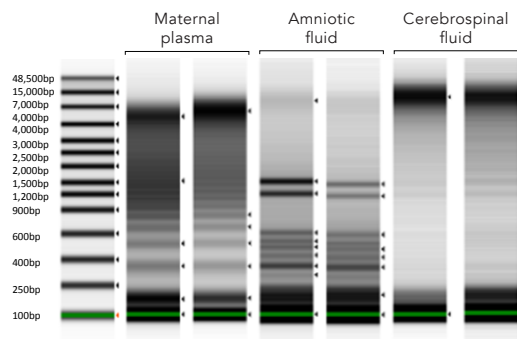
- High-quality DNA, including cell-free, is easily and robustly purified from up to 10 ml of serum/plasma or up to 1 ml amniotic fluid or cerebrospinal fluid.
- Zymo-Spin™ Column technology enables elution of DNA in as little as 35 µl and ensures it is ready for all sensitive downstream applications such as qPCR and Next-Generation sequencing.

Reliable & Efficient Recovery of Cell-free DNA (up to 10 ml)



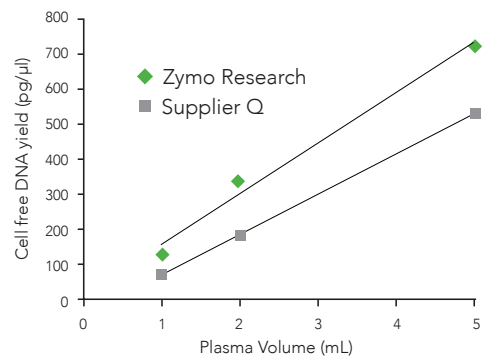
Cell-free DNA recovery is directly scalable using the *Quick-cfDNA™* Serum & Plasma Kit. Graphs and gel image show the linear recovery of cfDNA from human plasma and serum (healthy female donors), as measured by 2200 TapeStation® (Agilent, in duplicates).

Compatible with Many Body Fluids



Total DNA is efficiently purified from cell-free biological fluids with the *Quick-cfDNA™* Serum & Plasma kit. Total DNA, including both high and low molecular weight species, purified (duplicates) from human maternal plasma, amniotic fluid and cerebrospinal fluid was analyzed by 2200 TapeStation® (Agilent).

Superior Performance



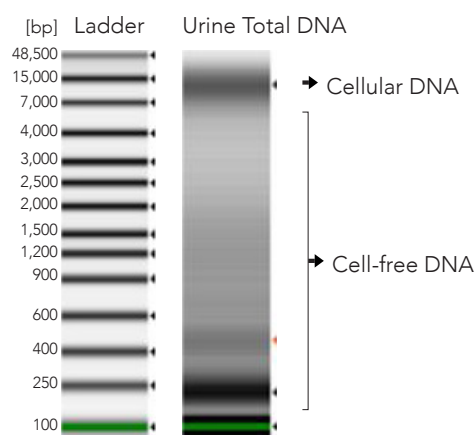
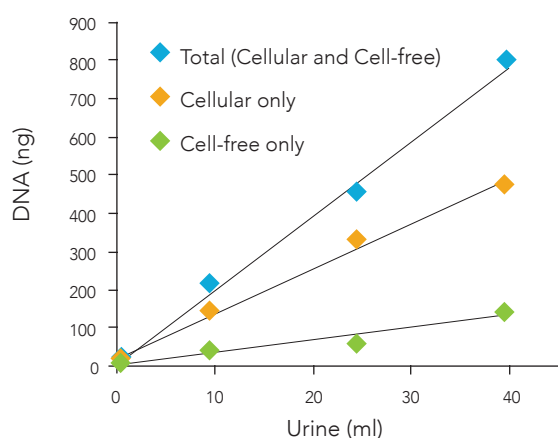
The *Quick-cfDNA™* Serum & Plasma kit robustly recovers cell-free DNA when compared to Supplier Q. The DNA recovered is linearly proportional to the input volume of sample when compared with Supplier Q. Concentration of the smallest nucleosomal fragment (N1, ~180bp) DNA was determined using the 2100 Bioanalyzer (Agilent).

Product	Cat. No.	Size
<i>Quick-cfDNA™</i> Serum & Plasma Kit	D4076	50 preps

Quick-DNA™ Urine Kit

- Purify cellular and/or cell-free DNA easily and reliably from up to 40 ml of urine.
- Uniquely formulated urine conditioning reagent allows stabilization of DNA in urine for up to one month at ambient temperature.
- Zymo-Spin™ Column technology ensures DNA is ready for all sensitive downstream applications including qPCR, DNA-sequencing, arrays, and DNA methylation analysis.

Get cellular or cell-free DNA, or both!



DNA yields increase linearly with increasing volumes of urine from healthy subjects extracted using the Quick-DNA™ Urine Kit. DNA was isolated from 1 ml, 10 ml, 25 ml, and 40 ml urine. DNA concentration was quantified using the Femto™ Human DNA Quantification Kit (Zymo Research, E2005).

Both cellular and cell-free DNA can be effectively purified from urine using the Quick-DNA™ Urine Kit. 5 ml of urine from a healthy female donor was processed and DNA was eluted in 20 µl final volume. 1 µl of the sample was analyzed using a 2200 TapeStation.

Streamlined, Innovative Workflow



Precipitation



Proteinase K Digestion



DNA Purification

Product	Cat. No.	Size
Quick-DNA™ Urine Kit	D3061	50 preps

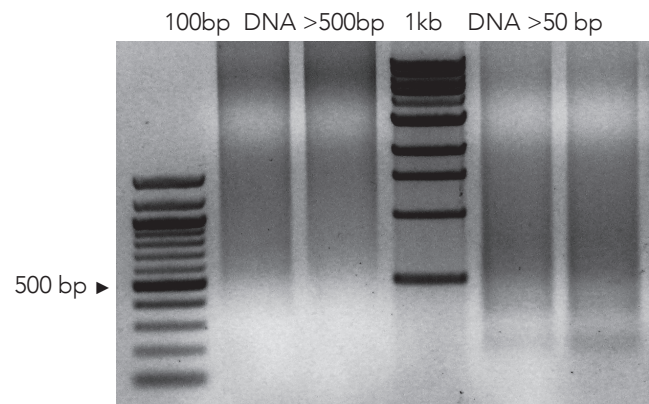
Quick-DNA™ FFPE Kit

- Streamlined purification of high-quality FFPE tissue DNA that is ideal for PCR, Next-Generation library prep, enzymatic manipulations, etc.
- Size selection technology; recover total DNA >50 bp or >500 bp.

Streamlined Workflow

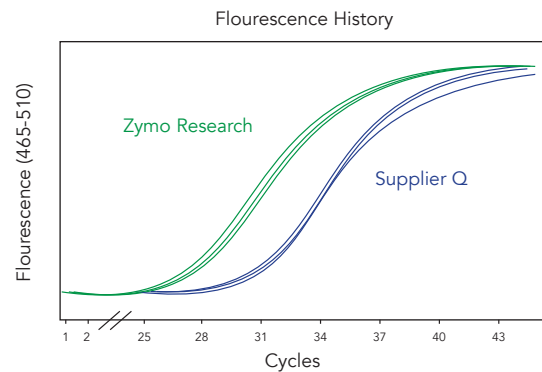


Selectable DNA Size



Equivalent amounts of DNA resolved in a 1% agarose/TAE/EtBr gel show binding conditions may be adjusted with the Quick-DNA™ FFPE Kit to selectively isolate DNA >50 bp or >500 bp. 100 bp DNA ladder and 1 kb DNA ladder from Zymo Research.

Improved Recovery from FFPE Samples



Equivalent amounts of DNA isolated using Zymo Research and Supplier Q procedures were used for real time PCR analysis. DNA isolated using the Quick-DNA™ FFPE Kit consistently yielded lower Ct values values as depicted by the amplification curves above.

Product	Cat. No.	Size
Quick-DNA™ FFPE Kit	D3067	50 preps

Quick-DNA™ Environmental Kits

Our environmental purification kits feature unique BashingBead™ technology, allowing high-recovery of DNA from a wide variety of tough-to-lyse environmental samples. These products lead to high-yield and quality DNA suitable for sensitive downstream applications.

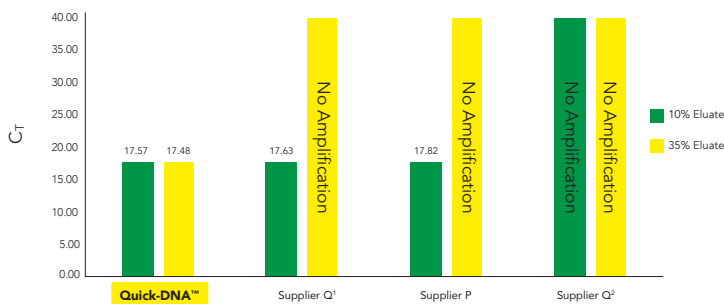
Our novel inhibitor removal technology, featured in our fecal/soil microbe and plant/seed kits, contains the components needed for efficient removal of polyphenolic compounds that can inhibit downstream enzymatic reactions.

Improved Recovery of High-quality DNA from Environmental Samples



Comparison of DNA yields from rat feces using the Quick-DNA™ Fecal/Soil Microbe Kit and kits from suppliers A and B. Equivalent amounts of feces were processed using each kit and then equal volumes of eluted DNA were analyzed in a 0.8% (w/v) agarose/ethidium bromide gel. Samples were processed in triplicate.

Fungal and bacterial DNA purification. DNA isolated from *Saccharomyces cerevisiae* (spores) and *E. coli* using the Quick-DNA™ Fungal/Bacterial Kit is high-quality and structurally intact. Equivalent amounts of yeast and bacteria were processed using the Quick-DNA™ Fungal/Bacterial Kit or the kit from Supplier A. Equal volumes of eluted DNA were then analyzed in a 0.8% (w/v) agarose/ethidium bromide gel. The size marker is a 1 kb ladder (Zymo Research).



Ultra-pure, Inhibitor-free DNA

The Quick-DNA™ Environmental Kits provide inhibitor-free DNA even when challenged with extremely inhibitor-rich samples.

Product	Cat. No.	Size
Quick-DNA™ Fecal/Soil Microbe Miniprep Kit	D6010	50 preps
Quick-DNA™ Fungal/Bacterial Miniprep Kit	D6005	50 preps
Quick-DNA™ Tissue & Insect Miniprep Kit	D6016	50 preps
Quick-DNA™ Plant/Seed Miniprep Kit	D6020	50 preps



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