

E.Z.N.A.[®] Blood DNA Maxi Kit

Isolate DNA from up to 20 mL blood using spin columns



Rapid

DNA isolation in less than 60 minutes



20mL Sample

Fresh, frozen or anticoagulated blood



Quality

Purified DNA suitable for a variety of downstream applications



Safe

No organic extractions

Cost-Effective

30% less than the competition on average

E.Z.N.A.[®] Blood DNA Maxi Kit is specially designed for large-scale isolation of genomic DNA. The kit provides a rapid purification of genomic DNA from up to 20 mL whole blood samples. Sample sources include fresh and frozen whole blood treated with common anticoagulants such as citrate, EDTA and heparin. In addition plasma, serum, buffy coat, bone marrow, lymphocytes, platelets, and body fluid samples can also be used. Phenol/chloroform extractions and time-consuming steps such as precipitation with isopropanol have been eliminated. DNA purified using the E.Z.N.A.[®] Blood DNA Maxi method is free of contaminants and enzyme inhibitors making it suitable for most downstream applications such as PCR, Southern blotting and restriction enzyme digestion of high-quality total DNA.

- Isolates DNA from samples up to 20 mL
- No organic extractions or alcohol precipitation
- Pure DNA, free of contaminants and enzyme inhibitors
- Entire procedure completion takes less than 1 hour

Sample	Conc. (ng/ μ L)	A ₂₆₀ /A ₂₈₀	A ₂₆₀ /A ₂₃₀	Yield (μ g)
1	164.6	1.89	1.98	82.3
2	163.4	1.87	1.94	81.7
3	149.0	1.88	1.95	74.5
4	138.2	1.91	1.97	69.1
5	115.2	1.88	1.95	57.6
6	132.6	1.89	1.93	66.3
7	142.8	1.88	1.95	71.4
8	135.0	1.91	1.97	67.5
9	396.0	1.88	1.92	396.0
10	402.5	1.88	1.95	402.5
11	349.5	1.90	1.94	349.5
12	344.3	1.89	1.91	344.3
13	372.8	1.89	1.97	372.8
14	380.0	1.91	1.98	380.0
15	370.0	1.89	1.93	370.0
16	410.8	1.90	1.95	410.8

Product Data

Quality and yield of genomic DNA purified using the E.Z.N.A.[®] Blood DNA Midi and Maxi Kits.

Figure 1. Purified genomic DNA was isolated from 2 mL human whole blood using the E.Z.N.A.[®] Blood DNA Midi Kit (samples 1-8) or from 10 mL human whole blood using the E.Z.N.A.[®] Blood DNA Maxi Kit (samples 9-16). DNA was eluted in 500 μ L or 1,000 μ L and quantitated using Thermo Fisher's NanoDrop[®] 2000.

Product Description	Preps	Cat No.
E.Z.N.A. [®] Blood DNA Maxi Kit	2	D2492-00
	50	D2492-03