

E.Z.N.A.® Blood DNA Mini Kit

Rapidly isolates DNA from up to 250 µL of fresh or frozen anticoagulated whole blood

CAT NO: D3392



Rapid

DNA isolation in less than 30 minutes



250 µL Sample

Fresh, frozen or anticoagulated blood



Quality

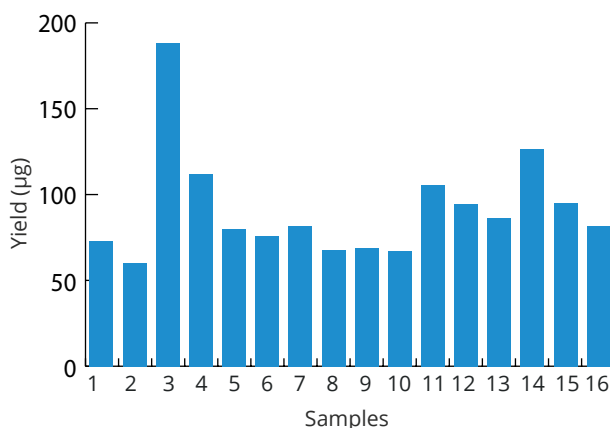
Purified DNA suitable for a variety of downstream applications



Safe

No organic extractions

E.Z.N.A.® Blood DNA Mini Kit provides rapid total DNA isolation from up to 250 µL of fresh or frozen anticoagulated whole blood. The E.Z.N.A.® Blood DNA Mini Kit can also be used for the preparation of genomic DNA from buffy coat, serum, plasma, bone marrow, lymphocytes, platelets and bodily fluids. This kit allows for simultaneous processing of single or multiple samples in less than 30 minutes. Phenol/chloroform extractions and time consuming steps such as precipitation with isopropanol or ethanol have been eliminated. DNA purified with the E.Z.N.A.® Blood DNA Mini Kit is ready for downstream applications such as PCR, southern blotting, and restriction enzyme digestion.



Yield of Genomic DNA Purified

Figure 1. DNA purified from packed blood cells of 1 mL whole blood using the E.Z.N.A.® Blood DNA Mini Kit. DNA was eluted in 500 µL and quantitated using the Thermo NanoDrop® 2000 spectrometer.

Genomic DNA Isolated

Table 1. DNA was purified from 4 mL saliva stored in Oragene® tubes using the E.Z.N.A.® Blood DNA Mini Kit. DNA eluted in 500 µL and quantitated using the Thermo NanoDrop® 2000 spectrometer.

| Sample | A _{260/280} | A _{260/230} | Yield (µg) |
|--------|----------------------|----------------------|------------|
| 1 | 1.86 | 1.97 | 75.2 |
| 2 | 1.85 | 1.84 | 93.9 |
| 3 | 1.84 | 1.94 | 77.4 |
| 4 | 1.85 | 2.08 | 158.0 |
| 5 | 1.86 | 2.06 | 182.0 |
| 6 | 1.82 | 1.78 | 127.9 |
| 7 | 1.95 | 1.94 | 107.0 |
| 8 | 1.83 | 1.89 | 115.2 |
| 9 | 1.85 | 2.02 | 60.7 |
| 10 | 1.86 | 1.91 | 82.4 |

| Product Description | Preps | Cat No. |
|------------------------------|-------|----------|
| E.Z.N.A.® Blood DNA Mini Kit | 5 | D3392-00 |
| | 50 | D3392-01 |
| | 200 | D3392-02 |
| | 600 | D3392-03 |

For free samples of any of our kits, visit www.omegabiotek.com