

## MAGneat gDNA Extraction Kit— For Blood, Tissue, Saliva, and Bacteria

P. Code	Extractions	Components	Description
2MN-BTS-96	96	6	MAGneat gDNA Extraction Kit

### Applications

- PCR amplification
- NGS
- Micro-array Genotyping
- Enzymatic reactions

### Product Description

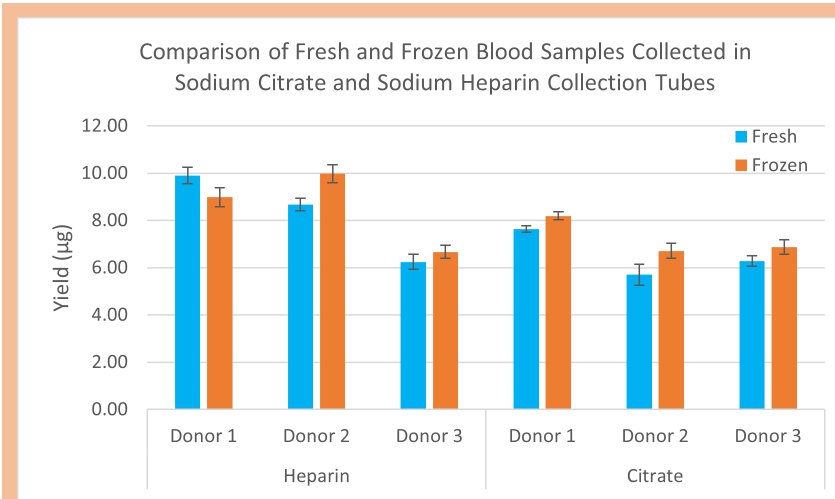
The MAGneat gDNA Extraction Kit efficiently purifies high-molecular weight DNA from a broad range of samples, including whole blood (collected in EDTA, Heparin or Citrate), saliva (fresh or stabilized), tissue samples, and bacteria. Microzone's proprietary buffer formulations and MAGneat magnetic beads ensure that high quality DNA is retrieved from even the toughest of samples. The MAGneat magnetic beads bind to DNA reversibly and selectively, purifying higher molecular weight DNA compared to spin column based methods while also being perfect for automation.

### Key Features

- High Quality—MAGneat magnetic bead technology purifies very high-molecular weight DNA.
- Purity—Microzone's proprietary buffers ensure the removal of contaminants and yield extremely pure DNA suitable for the most sensitive applications.
- Versatile—Extract from blood, saliva, tissue, and bacteria with the same kit.
- Fast—Complete Extractions in as little as 45 minutes.
- Automatable—Magnetic bead technology is ideal for automation.



Microzone's MAGneat magnetic separation range works excellently with the MAGneat Blood Saliva Tissue Extraction kit. Utilising neodymium magnets to ensure rapid and defined aggregation.



**Table 1.** Genomic DNA was extracted from 200 µL of fresh saliva using MAGneat gDNA Extraction Kit. Analysis was carried out using the NP80 Touch Nanophotometer from Implen.

Sample ID	Average DNA Conc (ng/µL)	Average A <sub>260</sub> /A <sub>280</sub>	Average A <sub>260</sub> /A <sub>230</sub>	Average Yield (µg)
1	26.65	1.76	2.29	2.67
2	89.98	1.82	2.32	9.00
3	113.25	1.87	2.31	11.33
4	95.53	1.82	2.35	9.55
5	13.70	1.59	2.26	1.37
6	43.10	1.83	2.34	4.31

**Figure 1.** DNA yield from fresh and frozen whole blood collected in sodium heparin and sodium citrate collection tubes, extracted using the MAGneat gDNA Extraction Kit. DNA concentration was measured using the Qubit 4 Fluorometer from ThermoFisher.

If you would like to evaluate the kit please contact Microzone.

**Note:** If you intend to automate using a liquid handler or a magnetic processor please contact Microzone for specific recommendations and support.

Simple | Effective | Efficient