

# HighPrep™ Blood & Tissue DNA Kit

Magnetic beads based DNA purification system for whole blood and tissue

The HighPrep™ Blood & Tissue DNA kit is a magnetic beads based system to process high quality genomic DNA from 50-250 µL of fresh or frozen whole blood, buffy coat (containing anticoagulants such as Citrate, EDTA and Heparin), lysate of tissues, mouse tails, cultured cells, saliva, or buccal swabs. The HighPrep™ Blood & Tissue DNA kit is highly geared for automation where high quality genomic DNA is reproducible in a high throughput environment. The kit is adaptable to commercially available liquid handling workstations.

The extraction starts with efficient lysis of viral sample, followed with binding of DNA and RNA to the HighPrep beads, and wash off of cellular debris and, and non-target components (proteins). The extraction ends with elution of high quality of RNA and DNA. HighPrep™ Blood & Tissue DNA Kit can also be adapted to many other commercially available liquid handling workstations.

## Features and benefits

- High quality DNA yield from both Whole blood and Tissue
- Excellent 260/280 and 260/230 ratio
- Efficient DNA isolation method
- Adaptable most automated liquid handling workstations

## Key Applications

- PCR
- Southern Blotting
- Real-time PCR

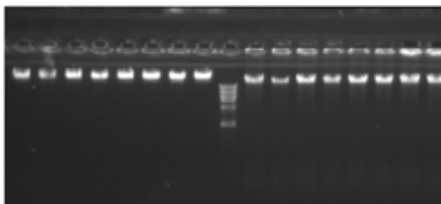
## Performance: DNA Yield and Quality

Kit ID	Type of sample	Yield(ng)*	260/280*	260/230*
MagBio	Blood (150ml)	26184	1.9	1.67
	Tissue (10mg)	17800	1.89	1.98
Competitor A	Blood (150ml)	17460	1.74	0.48
	Tissue (10mg)	13000	1.65	1.00

### Whole Blood

MagBio

Competitor A

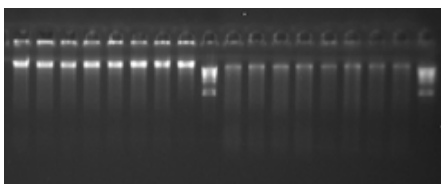


- 150ul of whole blood.
- 200 µl Elution Buffer used
- 10 µl DNA solution used for each well. For MagBio
- 100 µl Elution Buffer used
- 5 µl DNA solution used for each well
- 1% Gel was used for this experiment.
- Gel Running Time = 15min

### Tissue

MagBio

Competitor A



- 10mg Fresh chicken liver was used for this experiment.
- 200 µl Elution Buffer for both kits
- 5ul DNA Solution used in each gel well.
- 1kb ladder used.
- 1% Gel, Voltage = 130v, Gel running time = 10min



Liquid Biopsy Research - "We are where you start"

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