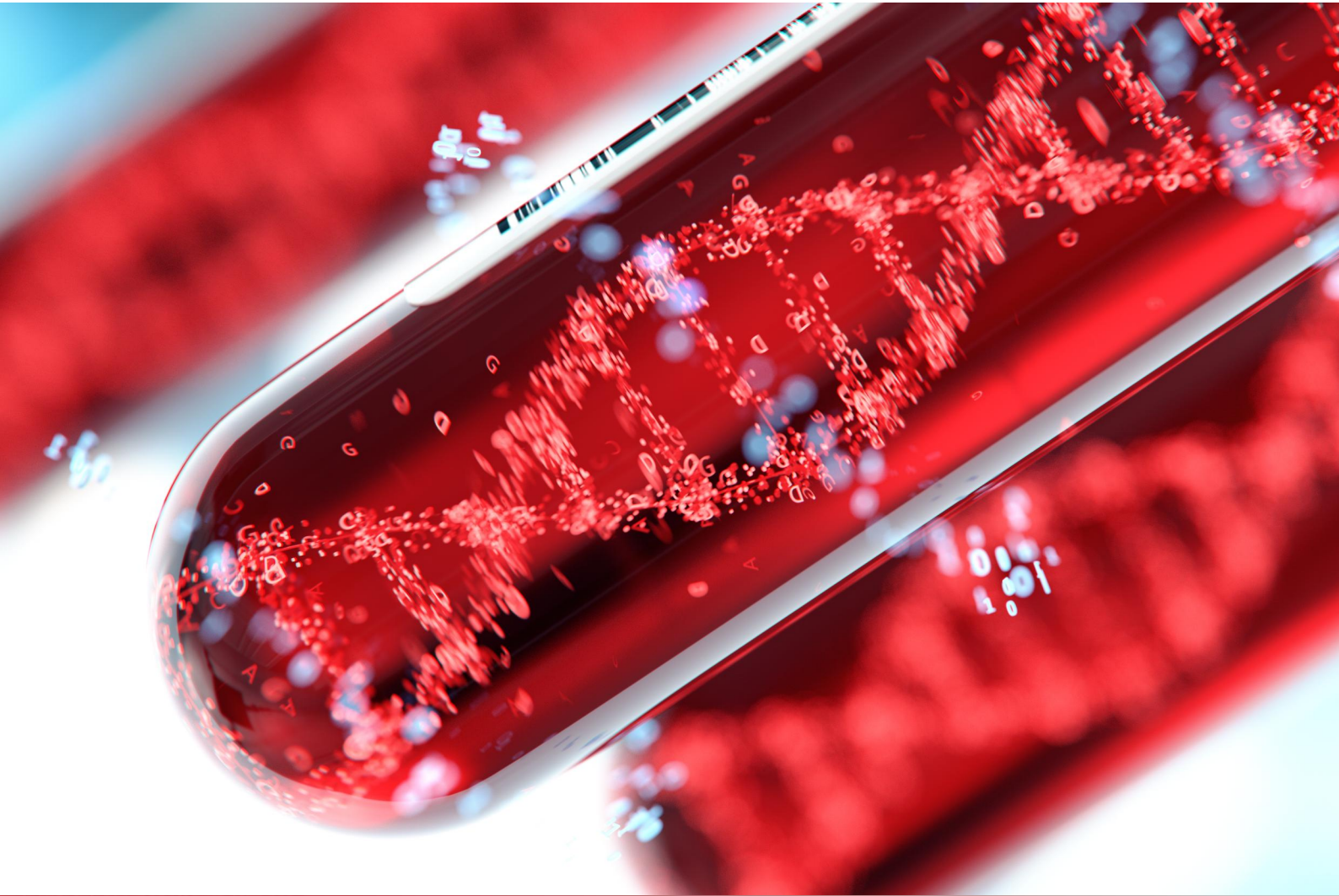


# magtivio



## **MagSi-DNA Body Fluid**

*Fast and cost-effective  
extraction of genomic DNA*

## DNA Extraction from Body Fluids

MagSi-DNA Body Fluid allows fast and cost-effective extraction of genomic DNA from blood, saliva or swab samples. The magnetic bead-based kit can be used on fresh or frozen whole blood, fresh or preserved saliva samples or swab wash solutions. The ready-to-use reagents and simple protocol are convenient in use and easy to automate. As a linear volume to volume ratio is used between sample and reagents, it is possible to use the kit in any situation where high quality genomic DNA is needed.

### General Features

- Short protocols, complete processing at room temperature possible\*
- Consistently high yield of DNA
- Excellent purity  $A_{260}/_{280} > 1.7$ ,  $A_{260}/_{230} > 1.5$
- Suitable for many genomic applications including PCR, DNA sequencing
- Preparation time for 96 samples: 30 min\*

\*Depending on instrument type and configuration

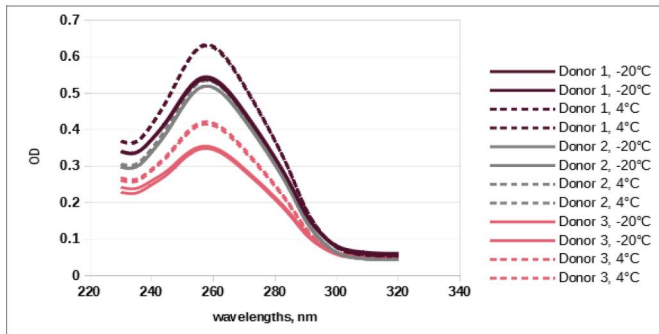


Figure 1. Typical DNA absorbance spectrum obtained from human blood samples (fresh: 4°C, frozen -20°C) ( $A_{260}/_{280} > 1.7$ ,  $A_{260}/_{230} > 1.5$ )

	OD <sub>260/280</sub>	OD <sub>260/230</sub>
Donor 1, -20°C	1,82	1,70
Donor 1, 4°C	1,82	1,81
Donor 2, -20°C	1,82	1,86
Donor 2, 4°C	1,82	1,86
Donor 3, -20°C	1,83	1,89
Donor 3, 4°C	1,82	1,86
Donor 3, -20°C	1,84	1,57
Donor 3, 4°C	1,84	1,64
Donor 3, -20°C	1,84	1,67
Donor 3, 4°C	1,84	1,70

Table 1. OD purity ratios obtained from human fresh or frozen blood samples

### Flexibility

- Suitable for whole blood (fresh or frozen, EDTA or citrate treated), fresh or preserved saliva, buccal swabs
- Suitable for small, medium and high-throughput automation
- Complete processing at room temperature
- Scalable for different sample volumes
- Shortened protocols for stabilized sample lysates
- Small elution volumes

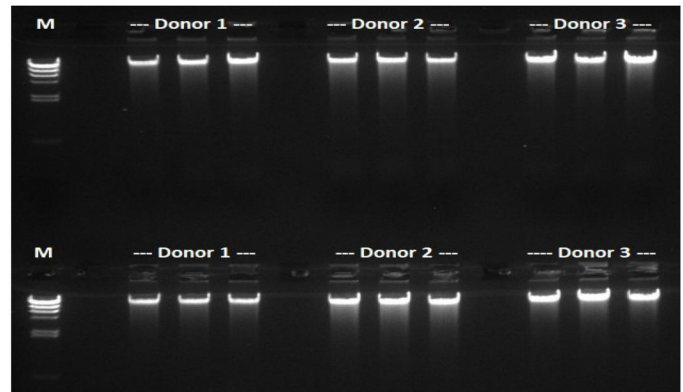


Figure 2. Agarose gel with high molecular weight DNA bands. Upper lanes: samples from fresh blood, lower lanes: samples from frozen blood, M: lambda/HindIII

### Easy to Automate

- Minimal accessory requirements
- KingFisher™ / MagMAX™ / BioSprint instrument protocols available on request
- Consumables for KingFisher™ Flex / 96, MagMAX™ Express-96 / BioSprint 96 available
- Compatible with liquid handling robots (e.g. Hamilton®, TECAN®)
- Magnetic separators for microtubes and deepwell microplates available

### Ordering Information

Art. No.	Description	Amount
MDKT00140096	MagSi-DNA Body Fluid (96 preps)	96 preps
MDKT00140960	MagSi-DNA Body Fluid (96 preps)	10 x 96 preps

