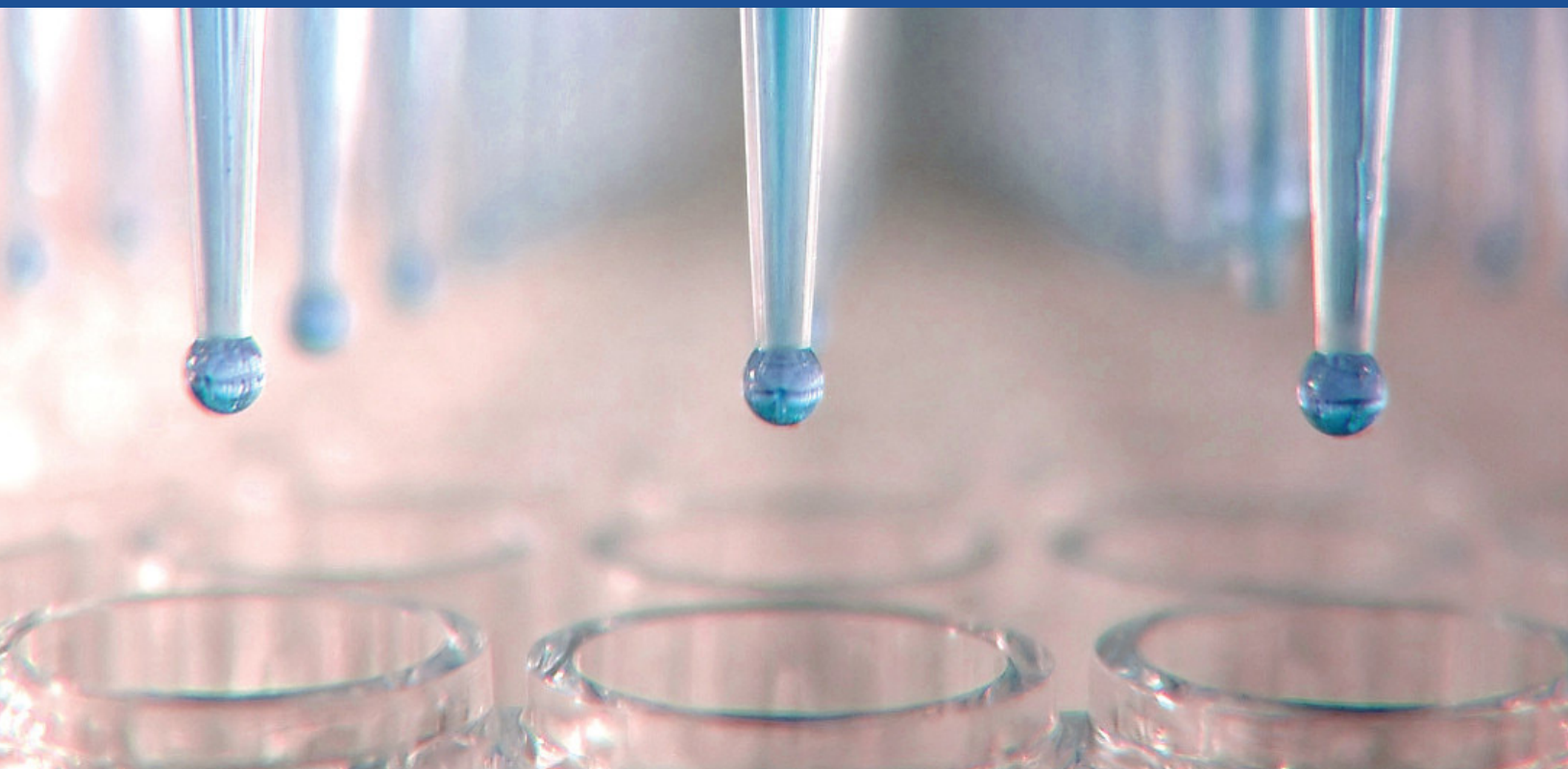


MagSi-DNA Body Fluid

FAST & COST-EFFECTIVE
EXTRACTION OF
GENOMIC DNA



DNA EXTRACTION FROM BODY FLUIDS E.G., PRESERVED HUMAN SALIVA SAMPLES

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. The scalable procedure allows to use the kit in any situation where high quality genomic DNA is needed. In the current note we describe the purification of gDNA from preserved saliva out of DNA Genotek's Oragene•DNA® OG-500 tubes.

GENERAL FEATURES

- Short protocols, complete processing at room temperature possible (after sample lysis)
- Consistently high yield of DNA – up to 11 µg from 500 µL preserved saliva (Oragene•DNA® OG-500)
- Excellent purity A260/280>1.7, A260/230>1.5
- Suitable for many genomic applications including PCR, DNA sequencing, etc.
- Preparation time for 96 samples: 30 min

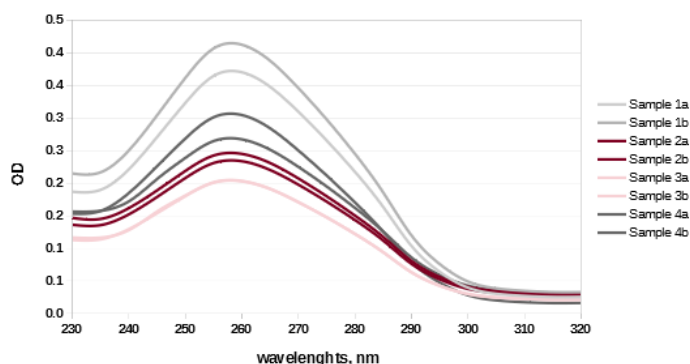


Figure 1. Typical DNA absorbance spectrum obtained from human Oragene•DNA® OG-500 samples of individual donors (sample 1 to 4, manually processed in duplicate as indicated by a, b) after storage at 4°C

Table 1. OD purity ratios obtained from preserved saliva samples

	OD260/280	OD260/230	ng / µL	µg
Sample 1	1.80	2.14	25.69	4.88
	1.79	2.08	26.62	5.06
Sample 2	1.80	1.85	17.94	3.41
	1.79	1.91	16.55	3.14
Sample 3	1.80	1.98	13.05	2.48
	1.81	1.91	12.62	2.40
Sample 4	1.87	2.11	18.23	3.46
	1.81	1.89	16.47	3.13

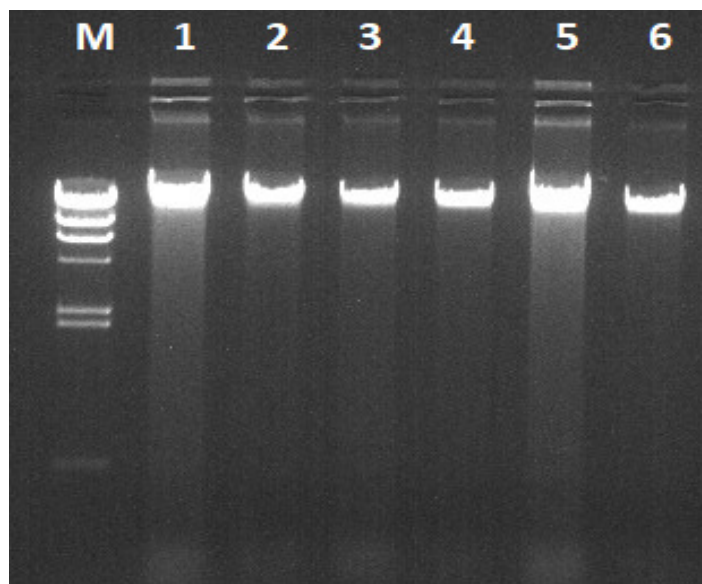


Figure 2. Agarose gel showing high molecular weight DNA bands obtained from saliva samples of individual donors (automated processing), M: lambda/HindIII

FLEXIBILITY

- Suitable for whole blood (fresh or frozen, EDTA or citrate treated), fresh or preserved saliva (e.g., Oragene•DNA® OG-500), buccal swabs
- Suitable for small, medium and high-throughput automation
- Scalable for different sample volumes
- Shortened protocols for stabilized sample lysates
- Small elution volumes

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

Description	Pack Size	Catalogue No.
MagSi-DNA Body Fluid (96 preps)	96 preps	MDKT00140096
MagSi-DNA Body Fluid (10 x 96 preps)	10 x 96 preps	MDKT00140960

