

Magnetic Universal Genomic DNA Kit

—Ideal for the genomic DNA purification from various samples

Cat.no.	No. of preps
4992734	50
4992735	200

Kit Contents

Contents	50 preps	200 preps
Buffer GHA	30 ml	120 ml
Buffer GHL	20 ml	80 ml
Buffer GDZ	45 ml	2× 90 ml
Buffer PWD	20 ml	2× 40 ml
Proteinase K	1 ml	4× 1 ml
MagAttract Suspension GH	0.75 ml	3× 1 ml
Buffer TB	15 ml	60 ml

Storage Conditions

The kit can be stored for 12 months under dry conditions at room temperature (15-25°C). For long-term storage, store at 2-8°C.

Applications

Suitable for a variety of routine operations, including restriction enzyme digestion, PCR, real-time PCR, library construction, chip hybridization, Southern blot and high-throughput sequencing.

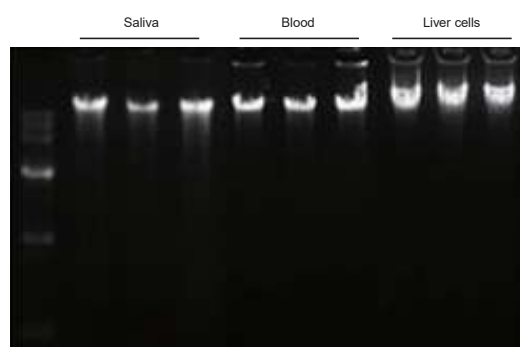
Description

The kit adopts magnetic beads with unique separation function and a unique buffer system to separate and purify high-quality genomic DNA from all kinds of blood, dry blood spots, saliva, swabs, FFPE, bacteria, animal tissues and other samples. Unique embedded magnetic beads have strong affinity for nucleic acid under certain conditions. When the conditions change, the magnetic beads release adsorbed nucleic acid, thus achieving the purpose of fast separation and purification of nucleic acid. The whole process is safe and convenient. With large extracted genomic DNA fragments, high purity and reliable quality, the method is especially suitable for automatic extraction with high-throughput workstations.

Features

- Simple and fast: Ultra-pure gDNA could be obtained within 1 hour.
- High throughput: This kit can be integrated with the automated instruments of pipetting method and magnetic rod method to carry out high throughput extraction experiments.
- Wide applications: Can be widely used to extract DNA from tissues, bacteria, blood, saliva, swabs, etc.
- High purity: The obtained DNA has high purity and can be directly used in chip detection, high-throughput sequencing and other experiments.

Experimental Example



Use Magnetic Universal Genomic DNA Kit to purify DNA from saliva, blood and liver cells according to the instructions. M: TIANGEN Marker D15000. Elution volume is 100 μ l. 2 μ l eluent was loaded on 1% agarose gel electrophoresis.

Results: TIANGEN Magnetic Universal Genomic DNA Kit has a wide range of sample applicability. The extraction yield is high, with good DNA integrity.