

Magnetic Serum/ Plasma DNA Maxi Kit

—Extracted DNA from 2-5 ml of serum/plasma with high throughput

Cat.no.	No. of preps
4992413	2 ml × 50
4992414	2 ml × 200
4992917	2 ml × 1000

Kit Contents

Contents	2 ml×50 preps	2 ml×200 preps	2 ml×1000 preps
Buffer GHH	2×80 ml	4×160 ml	5×4×160 ml
Buffer GDF	36 ml	150 ml	5×150 ml
Buffer PWG	20 ml	2×40 ml	5×2×40 ml
Proteinase K	10 ml	4×10 ml	5×4×10 ml
MagAttract Suspension E	2×750 μl	6×1 ml	5×6×1 ml
Buffer TBC	15 ml	30 ml	5×30 ml

Required Reagents

Ethanol

Storage Conditions

The kit can be stored for 12 months under dry conditions at room temperature (15-25°C) and stored at 2-8°C for a longer time.

Description

The kit adopts magnetic beads with unique separation function and a unique buffer system to separate and purify high-quality free DNA from samples such as serum and plasma with a volume of 2-5 ml. 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. The extracted free nucleic acid is with high yield, high purity, stable and reliable quality, and is especially suitable for automatic extraction of high throughput workstations.

Features

- The kit can meet the requirements of manual extraction as well as batch extraction on various high-throughput platforms.
- The products obtained by the kit meet the requirements of downstream detection experiments and NGS analysis.
- This product is suitable for serum and plasma samples with a volume of 2-5 ml.

Experimental Example

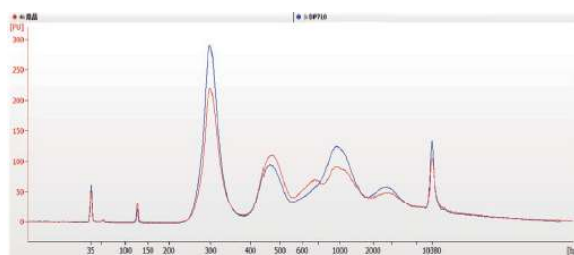


Figure 1

cfDNA was extracted with TIANGEN Magnetic Serum/Plasma DNA Maxi Kit and relevant product from Supplier M from 2 ml serum samples.
Figure 1: Perform Agilent2100 analysis after cfDNA library construction.
Table 1: Qubit HS: DNA concentration detected by high sensitivity Qubit.
Ct Value: qPCR quantitative results with globulin primers.
Agilent 2100: Concentration at 300 bp position of the DNA library construction analyzed with Agilent 2100 Chip.

Sample	Qubit HS, ng/μl	Ct value	Agilent 2100 300bp(pg/μl)
TIANGEN	0.068	31.55	1368.94
Supplier M	0.035	33.51	952.43

Table 1