【Product Name】 MagPure Fast Blood DNA Precast Kit (Auto Pure 32)

【Product Specification】96 Preps/Kit

【Intended Use】

This product provide fast and easy methods for purification of total DNA from whole blood, saliva, swab soak solution, other body fluids, lymphocytes and cultured cells. Purified DNA includes genomic DNA, mitochondrial DNA, viral DNA (e.g. HBV), or DNA from other parasitic microorganisms. The obtained DNA can be directly used in PCR, viral DNA detection and other experiments

【Principle】

This product is based on the purification method of high binding magnetic particles. The sample is lysed and digested under the action of lysate and Protease. DNA / RNA is released into the lysate. After adding magnetic particles and binding solution, DNA / RNA will be adsorbed on the surface of magnetic particles, and impurities such as proteins will be removed without adsorption. The adsorbed particles were washed with washing solution to remove proteins and impurities, washed with ethanol to remove salts, and finally DNA/RNA was eluted by Elution Buffer.

【Main Composition】

Product	Contents and volume	D6310-TL-06C	D6310-TL-06C-00
Proteinase K		50 mg	12 mg
Protease Dissolve Buffer		3 ml	1.8 ml
AS-Tip		12pcs	2pcs
2.0ml V-bottom plate	Row 1/7：600μl Buffer MLA	6 plates	1 plate
	Row 2/8：600μl Buffer MWX1		
	Row 3/9：600μl Buffer DW1		
	Row 4/10：30μl MagPure Particles 600μl Buffer EW		
	Row 5/11：600μl Buffer EW		
	Row 6/12：100μl Elution Buffer		

【Storage conditions and validity】

This kit is shipped and stored at room temperature and is valid for 18 months.

【Applicable Instrument】

Nucleic Acid Extraction Machine such as Auto Pure 32 (Allsheng), Magmix 32 and other similar.

【Preparation before Use】

- Add 2.5 ml Protease Dissolve Buffer to the bottle of Proteinase K and store at -20~8°C after dissolve.

【Auto Pure 32 nucleic acid extractor operation】

1. Take out the required components of the kit.
2. Inverting the Plate several times to re-suspend the magnetic beads. Pat the plate to make reagents fall back to the bottom of plate.
3. Stay the plate at table for 1 minute, remove the sealing pack and sealing film
4. Add 200~300μl samples into the hole of Row 1 and 7.
   Recommend sample size: blood (200 to 300μl), concentrated blood (200μl), buffy coat (200μl), saliva (300μl), swab soak solution (300μl), homogenate solution (200 to 300μl), digestive solution (300μl), cell suspension (200μl), ect.
5. Add 20μl Proteinase K Solution into sample hole
6. Insert the magnetic tip (AS-Tip) and 96-well plate in to the machine (hole A1 is placed at the left inner corner). Turn on the machine and start the program.
7. The extraction proceed in ~ 40 minutes.
8. Remove the 96-well plate and magnetic tips.
9. Transfer the purified DNA into a new 1.5ml centrifuge tube and store at -20~8 °C.

【Auto Pure 32 program recommendation】

Name	Well	Mix Time (min)	Mix 1-100%	Wait	Volume (ul)	Speed (1-10)	Magnet (0-5)	Repeat (1-10)	Magnet Speed (1-10)	Stay (min)	Hover (min)	1st Step Magnet time	2nd step Magnet time	3rd step Magnet time
Magnet move	4	0.2		0	600	7	3	1	5	0	0	3	3	3
Bind	1	12	70%	0	800	7	3	2	5	0.5	0	5	5	5
Wash 1	2	2	70%	0	600	9	3	1	1	0	0	3	3	3
Wash 2	3	4	70%	0	600	9	3	1	1	0	0	3	3	3
Wash 3	4	2	70%	0	600	8	3	1	1	0	0	3	3	3
Wash 4	5	1	70%	5min	600	8	3	1	1	0	0	3	3	3
Dry	6	5	0	0	0	0	0	0	0	0	0	0	0	0
Elute	6	14	70%	0	150	10	3	2	5	0	0	5	5	3
Drop	4	0.2	70%	0	600	7	0							

【Basic Information】

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