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CWE2100 Blood DNA Kit

Cat. No. : CW2525S (96 preps)

Storage Conditions: Room temperature (15-30°C)

Components

Component	CW2525S 96 preps
96 DW Plate	6 Plates
8 channel Comb	12 Strips
Buffer ML	24 mL
Buffer KL	80 mL
Buffer CW1 (concentrate)	60 mL
Buffer GW2 (concentrate)	26 mL
Buffer MW3	80 mL
Buffer EB	30 mL
Proteinase K	2×25 mg
Proteinase K Storage Buffer	2×1.25 mL
Magbeads PN	1 mL

Introduction

The kit provides a pre-assembled product that matches CWE2100 and extracts high-quality DNA from 300 μL blood. After the reagents have been added to the 96 DW plate as required, high quality DNA is obtained in the CWE2100 for approximately 50 minutes. The extracted DNA is stable and reliable, and can be used for PCR, chip detection, high-throughput sequencing and other downstream experiments.

Reagents to Be Supplied by User

1. Nucleic acid extractor CWE2100
2. 96 DW Plate (Catalog: CW2523)
3. 8 channel Comb (Catalog: CW2524)
4. Isopropanol
5. Anhydrous ethanol

Important Points Before Starting

1. Add 1.25 mL Proteinase K Storage Buffer to 25 mg Proteinase K to dissolve it and store at -20°C. Do not store the prepared Proteinase K at room temperature for a long time, and avoid repeated freezing and thawing, so as not to affect its activity.
2. Add 33 mL of isopropanol (Beijing Chemical Factory is recommended) to the reagent bottle containing Magbeads PN and mix well.
3. Before first use add anhydrous ethanol to Buffer CW1 and Buffer GW2 according to the labels of the reagent bottles and mark them well.

Procedure

1. Add the appropriate reagents to the 96 DW Plate according to the table below.

Position	Reagent
Colume 1&7	Proteinase K: 20 μL Sample: 300 μL Buffer ML: 200 μL
Colume 2&8	Buffer KL: 750 μL
Colume 3&9	Buffer CW1: 750 μL
Colume 4&10	Buffer GW2: 750 μL
Colume 5&11	Buffer MW3: 750 μL
Colume 6&12	Buffer EB: 100 μL

2. Put the 96 DW plate into the extractor, and then install 8 channel Comb in the corresponding position of the extractor.
3. Run the Cowin Blood 300 program, and after approximately 23 minutes the extractor will pause, take out the 96 DW plate from the extractor, and add 310 μL of fully mixed isopropanol and magbeads to column 1&7.
4. Put the 96 DW plate back into the extractor and continue to run the program. After about 35 minutes, the program is finished. Take out the 96 DW plate and 8 channel Comb.
5. Transfer the elution products from column 6&12 to 1.5 mL centrifuge tubes and store at low temperature.