Parstous

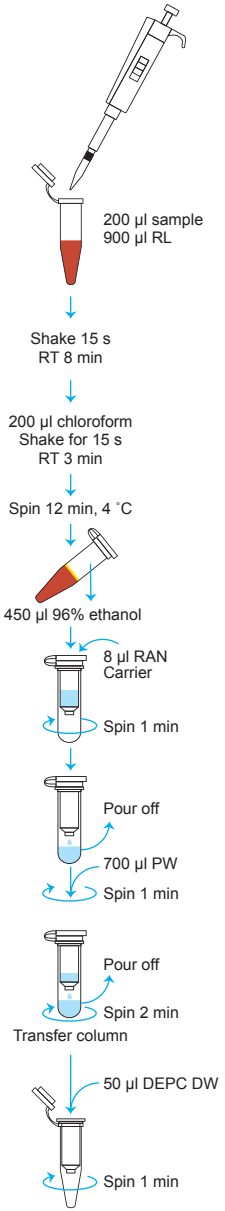
Blood RNA Extraction Kit

Before Starting

Add 48 ml of absolute ethanol to the PW (only at the first use).

Reagents NOT Provided

1. Chloroform
2. 96% ethanol



Protocol

1. Transfer 200 µl of sample whole blood or buffy coat (to get more RNA) to a 1.5 ml tube and add 900 µl of RL solution. Shake it for 15 sec and incubate at room temperature for 8 min. Shake it each 4 min to help lysis process.
2. Add 200 µl of chloroform to the mixture. Shake it completely for 15 s and incubate for 3 min at room temperature.
3. Spin for 12 min at 13,000 rpm at 4 ˚C.
4. Transfer 450 µl of the upper phase into a new 1.5 ml tube. Add 8 µl RNA carrier and mix it completely for 5 sec. Add 450 µl of 96% ethanol to the mixture and mix them well.
5. Transfer mixture to the spin column. Do NOT touch upper rim of column. Spin for 1 min at 13,000 rpm.
6. Pour off the flow-through of collection tube.
7. Add 700 µl of PW and spin for 1 min at 13,000 rpm.
8. Pour off the flow-through of collection tube. (Optional: repeat step 8 and 9 with 500 µl of PW to have more pure RNA)
9. Spin for 2 min at 13,000 rpm to remove the remaining of the wash buffer. Transfer the spin column to a new 1.5 ml microtube.
10. Add 50 µl of DEPC-treated water, wait 3 min at room temperature or 57 ˚C (For more yield). If you want more concentration add less DEPC-treated water (35 µl).
11. Spin for 1 min at 13,000 rpm to elute RNA from the column. Store RNA solution at -70 ˚C.

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kit content

No.	Description:	Packing	Qty.
1	RL Buffer (RNA Lysis Buffer)	45 ml	1
2	PW Buffer (Wash Buffer)	12 ml	1
3	DEPC-treated Water	3 ml	1
4	RNA Carrier	300 ul	1
5	Spin Column	50	1
6	Collection Tube	50	1