



AviRex™ Blood RNA

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

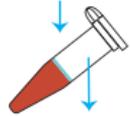
- 1 Transfer 200 μ l of sample whole blood or buffy coat (to get more RNA) to a 1.5 ml tube and add 900 μ l of RL solution. Shake it for 15 sec and incubate at room temperature for 8 min. Shake it each 4 min to help lysis process.
- 2 Add 200 μ l of chloroform to the mixture. Shake it completely for 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 μ l of the upper phase into a new 1.5 ml tube. Add 8 μ l RNA carrier and mix it completely for 5 sec. Add 450 μ l 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 μ l 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 μ l 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 μ l 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 μ l).
- 11 Spin for 1 min at 13,000 rpm to elute RNA from the column. Store RNA solution at -70 °C.



Shake 15 s
RT 8 min

200 μ l chloroform
Shake for 15 s
RT 3 min

Spin 12 min, 4 °C



450 μ l 96% ethanol

8 μ l RAN
Carrier

Spin 1 min

Pour off

700 μ l PW
Spin 1 min

Pour off

Spin 2 min

Transfer column

50 μ l
DEPC DW

Spin 1 min





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Molecular Biology Products

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kit content

No.	Description:	Packing	Qty.
1	RL Buffer (RNA Lysis Buffer)	25 ml	2
2	PW Buffer (Wash Buffer)	12 ml	1
3	DEPC-treated Water	3 ml	1
4	RNA Carrier	500 ul	1
5	Spin Column	50	1
6	Collection Tube	50	1

Research Use Only

www.avigene.ca

avigene@avigene.ca

