

Magbeads FastRNA Kit for Blood

(Ready-to-Use for MagFlex-96™)

Cat. No.: 119609096



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Quick-Start Protocol

Revision March 27, 2026

This protocol is designed to extract RNA from whole blood sample.

Notes before starting:

- Material to be supplied by user: 80% Isopropanol.
- Centrifuge all plates before starting the experiment.
- Vortexing speed stated in the manual will be a guideline; use the maximum speed available if the stated speed setting is not feasible.
- To ensure high yield and purity, perform a quick spin to collect droplets from tube after vortex in the lysis step.

Work on MagFlex96™ System:

1. Add **20 µL Proteinase K** and **200 µL Buffer MBL** to **200 µL** whole blood sample. Pulse vortex to briefly homogenize the sample.

Note: If frozen blood is used, thaw sample in the presence of Buffer MBL lysis solution.

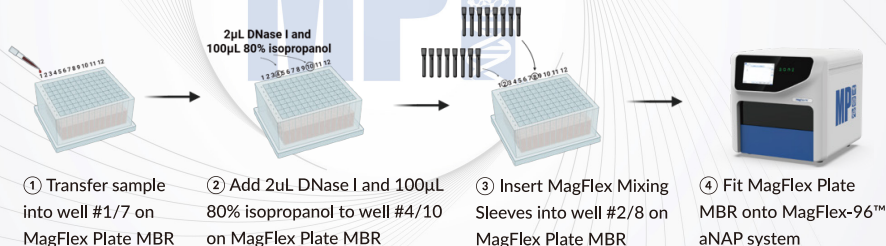
Optional: **4 µL β-mercaptoethanol** (not provided) may be added if integrity is a concern.

Note: If processing 400 µL blood sample, add 400 µL Buffer MBL and 40 µL Proteinase K to 400 µL blood sample.

2. Add **2 µL DNase I** and **100 µL 80% isopropanol** (user-supplied) to **Well #4 or #10**.

Sample preparation

Program setting & running



- ⑤ Run the program "RNA_BLOOD".

Step	Well	Process	Volume (µL)	Time (s)			Mixing Speed	Temp (°C)	Pause
				Mix	Wait	Attract			
1	#2/8	Beads attract	200	0	0	120	2500 rpm	RT	OFF
2	#1/7	Lysis & Bind	650	600	0	180	2500 rpm	RT	OFF
3	#3/9	Wash 1 st	500	120	0	120	2500 rpm	RT	OFF
4	#4/10	DNase I treatment	200	480	0	120	2500 rpm	RT	OFF
5	#5/11	Wash 2 nd	500	120	0	120	2500 rpm	RT	OFF
6	#5/11	Wash 3 rd	500	120	0	120	2500 rpm	RT	OFF
7	#6/12	Elute	110	300	600	180	2500 rpm	RT	OFF
8	#2/8	Beads abandon	200	30	0	0	2500 rpm	RT	OFF



- ⑥ Transfer eluted RNA from Well #6/12 to clean 1.5 mL microcentrifuge tubes (not provided).

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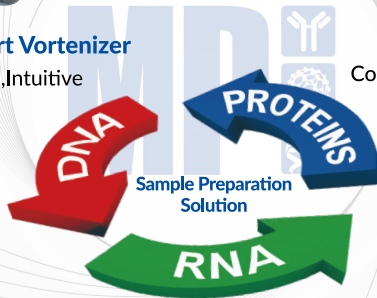
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