

MagBeads Fast Circulating DNA Kit

Ready-to-Use for MPure-96™ System



Cat. No.: 117034900 (96 PREPS)

Quick-Start Manual

Revision 2.0 June 2023

Notes before starting:

- Add 4.5 mL Protease Dissolve Buffer into Proteinase K bottle, and store at -20°C after dissolve.
- Add 0.155 mL Elution Buffer into the Carrier RNA, and store at -20°C after it dissolves.

Automation Assay Procedure

1. Transfer 300 µL of sample and 20 µL of Proteinase K (Optional: 100 ng Carrier RNA) to sample plate containing Buffer MLK before place it at position 1 of MPure-96™ aNAP System; Place the other reagent plates in the instrument according to the following table and run the instrument with program named "Cir_DNA_300":

Step	Position	Process	Time (s)			Spin (rpm)	Temp (°C)
			Mix	Vapor	Collect		
1	5	Magnetic Beads Preparation	60	0	300	3000	RT
2	1	Bind	600	0	300	3000	RT
3	2	Wash 1	180	0	300	3000	RT
4	3	Wash 2	180	0	300	3000	RT
5	3	Dry	0	600	0	-	RT
6	4	Elute	300	0	300	3000	55

Note: Refer the following table for operating procedure on different sample volume.

Assay Program	Total Sample Volume (µL)	No. of Sample Block	Component / Sample Block		
			Sample (µL)	PK (µL)	Carrier RNA (ng)
Cir_DNA_300	300	1	300	20	100
Cir_DNA_700	700	2	350	20	50
Cir_DNA_1000	1000	3	330	13	30

2. Transfer eluted nucleic acid into a clean 1.5 mL microcentrifuge tube. The eluent is now ready for downstream applications. Store purified nucleic acid at -20°C for extended periods.

Note: If there are still Magnetic Beads remaining in eluted DNA, please centrifuge at 14,000 x g for 3-5 mins and take the supernatant again.

Extraction

Related DNA Extraction Instruments Order Information

Product	Package	Cat. No.
MPure-96™ aNAP System	1ea	07EMC044

Scan for detailed instruction manual





MP Biomedicals

MP Biomedicals nucleic acid extraction kits are designed for simple, efficient, and rapid purification of DNA and RNA from various types of samples. Our wide range of instruments and reagent kits provide you a one-stop solution for your sample preparation works.



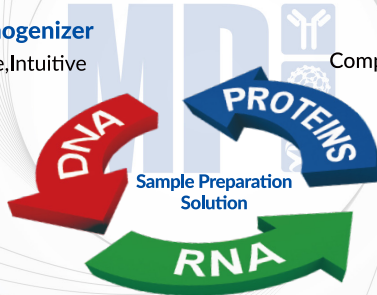
FastPrep® Homogenizer

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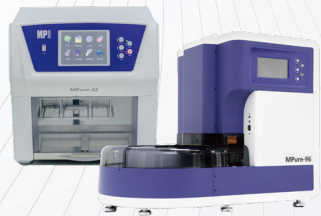
Lysing Matrix

Complete, Quantitative lysing method



MagBeads FastDNA / FastRNA Kits & SPINeasy™ Extraction Kits

Highly purified DNA / RNA / Protein



Automated Nucleic Acid Purification (aNAP) Instruments

MPure-96™ Process up to 96 samples

MPure-32™ Process up to 32 samples



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