MagBeads FastDNA® Kit for FFPE

Ready-to-Use for MPure-96™ System

Cat. No.: 117034800 (96 PREPS)

Quick-Start Manual

Revision 2.0 June 2023

Notes before starting:

- Add 2.5 mL Protease Dissolve Buffer into the Proteinase K, and store at -20~8℃ after it dissolves.

Automation Assay Procedure

Sample Preparation

1. Using a scalpel and trim off the excess paraffin on the sample block. 1 to 5 sections (10 - 20 µm) and to 1.5 mL microcentrifuge tube or 1.5 ml 96 well plate (not provided).
2. Add 600 µL Buffer DPS to the sample. Vortex for 5s and briefly centrifuge.
3. Incubate at 56°C for 5 min and vortex vigorously for 15s to dissolve the paraffin completely.

Note: The Buffer DPS may become turn opaque or cloudy. If this occurs, add additional Buffer DPS and repeat Step 2.

4. Centrifuge at full speed for 1 min to bring down all FFPE tissue that adhere to the tube wall or underneath the cap. This will create two phases within the solution: an upper dewaxing liquid phase and a lower aqueous phase.

Note: If sample is sufficient, discard the dewaxing liquid to facilitate the operation.

5. Add 200 µL Buffer ATL to the bottom of the tube and add 20 µL proteinase K to the lower aqueous layer. Mix gently by pipetting up and down.
6. Incubate at 56°C for 60 min (or until the tissue is completely lysed), followed by 90°C for 60 min.
7. Briefly centrifuge the tube and transfer the lower aqueous layer into a new microcentrifuge tube or clean 96-well sample plate (not provided) or proceed extraction step.

Extraction

8. Transfer 200 µL of lower aqueous layer to **sample plate** and 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 "FFPE_DNA":

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

9. Transfer eluted DNA into a clean 1.5 mL microcentrifuge tube. DNA is now ready for PCR and other 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.

Related DNA Extraction Instruments Order Information

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

Scan for detailed instruction manual

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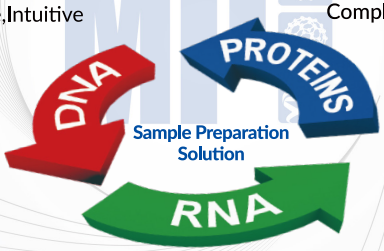

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