

WizMag™ DNA CleanUp

User Manual

Ver 1.0

REF W7150 | W7151 | W7152 | W7153

For Research Use Only



INTENDED USE

The WizMag™ DNA CleanUp kit is designed to purify DNA from a DNA-containing mixture such as an enzymatic reaction mixture on the CLEO™ AP16 and CLEO™ AP48 Nucleic Acid Extractor System. This kit utilizes only 20 minutes. DNA of 100bp to 10kb in length can be recovered from up to 100 ul of a DNA-containing mixture. Priedf DNA can be directly used in cloning, labeling, sequencing, PCR, and many other downstream applications without further manipulation.

KIT CONTENTS

Contents	W7150	W7151	W7152	W7153	Storage
No. of preparation	64	192	32	96	Room Temperature (15-25°C)
Pre-packed 96-well Plate	4 ea	12 ea	-	-	
Pre-packed 6-well Strip	-	-	32 ea	96 ea	
Plunger	8 ea	24 ea	8 ea	24 ea	
Blank solution B	500 µL	500 µL	500 µL	500 µL	

This kit is delivered under ambient conditions. Store the kit contents at room temperature, avoiding direct sunlight.

QUALITY CONTROL ANALYSIS

In accordance with Wizbiosolutions Inc. ISO 13485-certified Quality Management System, each lot WizMag™ DNA CleanUp kit is tested against predetermined specifications to ensure consistent product quality.

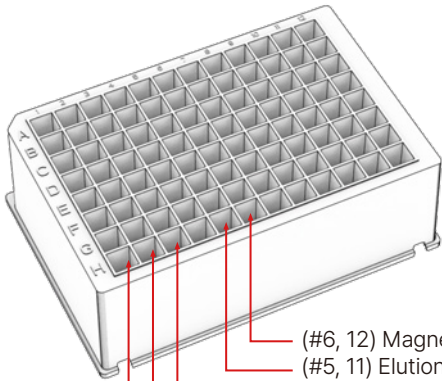
PRECAUTIONS



- This product is for research use only.
- Intended for single use only. Do not reuse.
- Check the expiration date on the box. Do not use it after the expiration date.
- Wear protective clothing, and use disposable gloves, goggles, and a mask.
- Do not eat, drink or smoke in areas where samples or test reagents are being used. Once you finish the test wash your hands.
- Specimens must be treated as potentially infectious as well as all reagents and materials that have been exposed to the samples and handled in the same manner as an infectious agent.
- Regular decontamination of commonly used equipment is recommended, especially micropipettes and work surfaces.
- This product contains irritants that are harmful when in contact with skin or eyes, or inhaled or swallowed. Care should be taken when handling this product.
- Some of the reagents in the 96-well Plate contain chaotropic which can form highly reactive compounds when combined with bleach. Do NOT add bleach or acidic solutions directly to the sample-preparation waste.
- Any significant incidents related to the product should be notified to the competent authorities and manufacturers.
- Do not use it if the package is damaged.

COMPOSITION OF THE PRE-PACKED 96-WELL PLATE (W7150 | W7151)

A total of 16 samples can be simultaneously processed per plate.



Columns 7 - 12 in the right half of a 96-well plate have the same composition as columns 1 - 6 in the left half.

- (#6, 12) Magnetic bead
- (#5, 11) Elution
- (#2/3, 8/9) Washing
- (#1,7) Sample

COMPOSITION OF THE PRE-PACKED 6-WELL STRIP (W7152 | W7153)



- (#1) Sample
- (#2,3) Washing
- (#5) Elution
- (#6) Magnetic bead

PROTOCOL

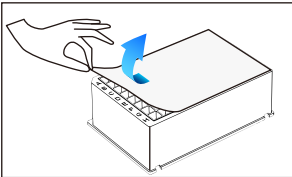
A. Setup of program (For CLEO™ AP16 and AP48 devices, the preset program can be used.)

1. Select 'EDIT' on the main menu.
2. Set up the program as show below.

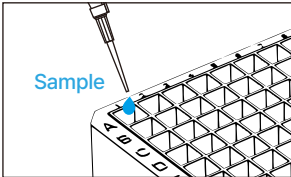
No.	1	2	3	4	5	6
Well #	6	1	2	3	5	6
Step	Beads	Bind	Wash	Wash	Elute	Discard
Wait time	-	-	-	-	03:00	-
Mix time	00:10	06:00	02:00	01:00	03:00	01:00
Mag time	00:25	00:30	00:25	00:25	00:30	-
Volume (μL)	200	600	500	500	60	200
Mixing M.	Medium	Fast	Fast	Fast	Bottom	Medium
Collect M.	Strong	Strong	Strong	Strong	Strong	Normal
Temperature		Off			60°C	

3. Save the program for later use.

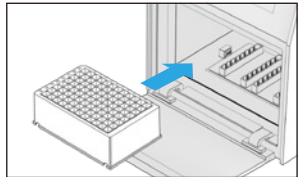
B-1. DNA prufying procedure (W7150, W7151)



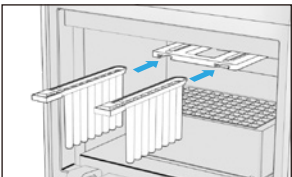
1. Carefully peel off the film of the 96-well Plate not to cross-contaminate.



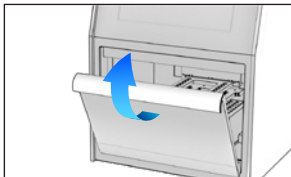
2. Add 100 μL of the DNA mixture into the each first well (#1,7)



3. Mount the 96-well Plate on the CLEO™ AP16 carefully.

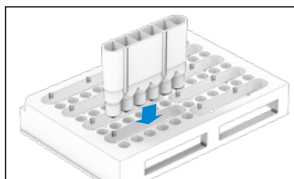


4. Insert a Plunger all the way into the socket above the 96-well Plate.

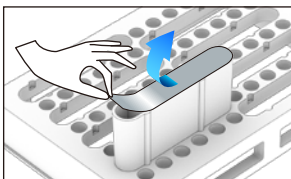


5. Close the front door of the instrument.

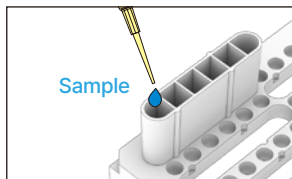
B-2. DNA purifying procedure (W7152, W7153)



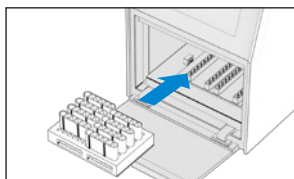
1. Mount the 6-well Strip onto the Strip Adapter Plate.



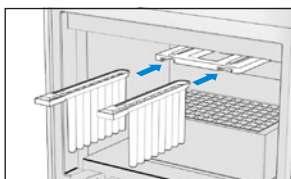
2. Carefully peel off the film of the 6-well Strip not to cross-contaminate.



3. Add 100 μ L of the DNA mixture into the each first well (#1).



4. Mount the 6-well Strip Adapter Plate on the CLEO™ AP16 carefully.



5. Insert a Plunger all the way into the socket above the Plate.

6. Close the front door of the instrument.

7. Select **MENU ► DNA ► DNA CleanUp** on the screen.



8. Press 'RUN' button on the screen.

9. After the alarm finishes, open the door and carefully remove the Plunger.

10. Detach the 96-well plate (or the Strip Adapter Plate) from the machine carefully.

11. Transfer the 50 - 60 μ L eluate of each fifth well (#5, 11) into a new 1.5 mL centrifuge tube.














NOTE : The volume of eluate can be decreased slightly during the process.

12. Dispose of 96-well Plates (or 6-well Strip) and Plunger used in the test according to local or national waste disposal methods.

TROUBLE SHOOTING GUIDE

Problem	Possible causes	Recommendations
Low yield	Low viral titer in the sample	Use more sample. Concentrate the larger sample to 300 μ L using micro-concentrator.
	Poor quality of starting material	Use a freshly harvested sample or well-conserved sample if possible. Repeated freezing and thawing of sample should be avoided.
Inconsistent recovery of DNA/RNA	Contamination between reagent wells	The reagent in the well may evaporate and form a deposit on the film during storage, which may cause contamination between wells when the film is removed. Prepacked plate or tube always should be stored at proper condition. Before removing the film of the plate or the tube, it is recommended to shake off the deposit on the film with holding the plate or the tube tightly.

SYMBOL GLOSSARY

	Catalogue number		Manufacturer		Use-by date
	Batch code		Do not re-use		Temperature limitation
	Research use only		Instructions for use		Keep away from sunlight
	Contents sufficient for <n> tests		Caution		Keep dry
	Do not use if package is damaged				

ORDERING INFORMATION


Product	Cat No.	Package	Note
WizMag™ DNA CleanUp	W7150	64 Prep	16 prep/run
	W7151	192 Prep	
	W7152	32 Prep	Single prep
	W7153	96 Prep	
CLEO™ AP16 Nucleic acid Extractor	CL2016	1 system	1-16 sample
CLEO™ AP48 Nucleic acid Extractor	CL2048	1 system	1-48 sample



Technical Support



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