EcoQprep™ Magnetic Separation Rack

(EcoQprep™-2-12h)

[Cat. No.] TM-1012

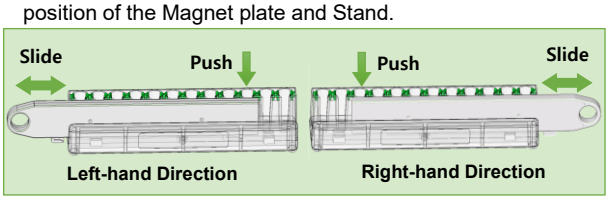
Introduction

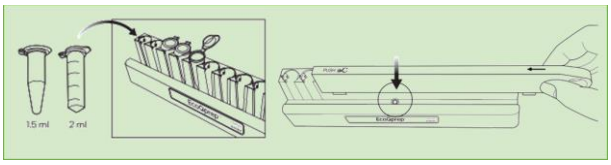
The *EcoQprep*™ Magnetic Separation Rack is a separation device used for nucleic acid extraction and protein purification through magnetic nanoparticle technology. Its magnetic-based mechanism enables faster separation and purification compared to traditional column-based methods. A non-slip design on the Stand ensures a secure fit with 1.5 ml or 2.0 ml microcentrifuge tubes, even when inverted, facilitating easy disposal of solution without pipetting. This product is optimized for nucleic acid extraction and protein purification processes using the EcoQprep™ and *MagListo*™ 5M Kits.

Application

※ Users can easily switch directions based on their preference, facilitated by the bi-directional feature.

※ Check the orientation of the tube; ensure the opening of the tube cap is facing forward.
Check the central part of the Stand to confirm the attaching position of the Magnet plate and Stand.



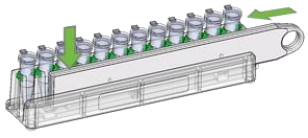


A. Attaching the Magnet plate to the Stand

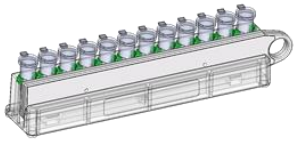
*** Note**: The attaching method for the opposite direction is the same.

① Align the front hook of the Magnet plate halfway onto the Stand.

② Hold the finger grip of the Magnet plate horizontally and push until it stops. Pushing down on the PUSH part makes it easier to operate.



③ Check that the Magnet plate is securely attached to the Stand.

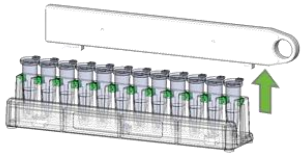


B. Detaching the Magnet plate from the Stand

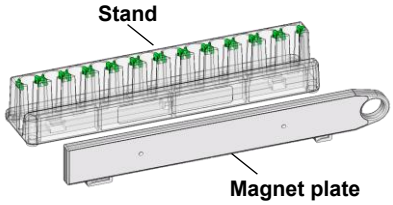
*** Note**: The detaching method for the opposite direction is the same.

① Hold the finger grip of the Magnet plate and support the Stand with the other hand. Pull the finger grip sideways.

② Lift the Magnet plate upward to detach it from the Stand.



Components



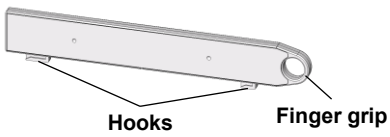
Components	TM-1012
Stand	1 ea
Magnet plate	1 ea

A. Stand

- The Stand serves as the body for tube attachment, featuring 12 holes at the top for tube insertion and a slot on one side for attaching the Magnet plate.
- It is recommended to use 1.5 ml or 2.0 ml microcentrifuge tubes with this stand.

B. Magnet plate

- The Magnet plate attaches to the slot on the Stand, containing magnets inside.
- It can be used interchangeably without distinction between the front and back; the part with hooks should face downwards when attaching to the Stand.



Specifications

EcoQprep™ Magnetic Separation Rack (2-12h)		
Size (W x D x H)	Stand	179 mm x 40 mm x 35 mm
	Magnet plate	197 mm x 7 mm x 30 mm
Weight	110 g	

EcoQprep™ Magnetic Separation Rack

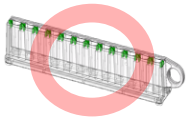
(EcoQprep™-2-12h)

Capacity	1.5 ml or 2.0 ml microcentrifuge tube x 12 holes

***Note:** Actual dimensions and slight variances may occur.

Storage

- Store at room temperature (15~35℃).
- Always store the Magnet plate attached to the Stand to prevent the detachment of internal magnets, as they possess a strong magnetic force. When utilizing multiple Magnet plates, store them with their magnets oriented away from each other to prevent detachment.



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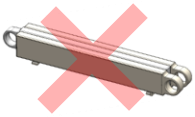

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Precautions

- Handle with care as the product may break upon impact or if dropped.
- Be careful to prevent injuries from falls while the storage or transporting the product.
- Watch out for sharp edges that could cause injury if the product is damaged.
- Be cautious as strong magnetic attraction may lead to finger pinching or injury.
- Immediately act if reagents or refined substances contact the product during experiments to prevent damage. Rinse thoroughly with flowing water and ensure complete drying before storage.
- This product, made of polycarbonate materials, may discolor, or become damaged if exposed to organic solvents such as ethanol, acetone, toluene, or alkaline solutions. Clean immediately if exposed and then use.
- For users with implanted pacemakers, it is advised to refrain from use due to the potential risk of interference from magnetic fields.

Online Resources

Korean **English**

For more product information, please visit this product page on our website.

Ordering Information

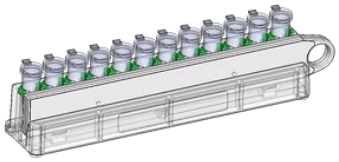
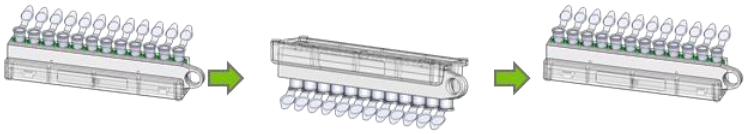
Description	Cat. No.
EcoQprep™ Magnetic Separation Rack (2-12h)	TM-1012

Notice

All information provided regarding products, services, specifications, and descriptions may be subject to change without prior notice, following due procedures.

Explanation Symbols

Experimental Procedures

Step		Detailed Procedure
1	 Before You Begin	1. Confirm the orientation of the microcentrifuge tube and the Rack. Position the Magnet plate in front of the tubes, ensuring that the opening of the tube cap faces forward as you attach the tubes.
2	 Attaching the Magnet plate	2. Following the instructions, attach the Magnet plate to the Stand. When attaching, ensure that the front hook of the Magnet plate overlaps more than half of the Stand. It can be easily attached by pushing down on the PUSH.
3	 Liquid Disposal	3. With its non-slip structure, even when the Rack is flipped, the tubes will not fall out, making it convenient for solution removal. Maintain horizontal alignment and fully invert the Rack to prevent solution spillage. ※ Take care to avoid strong impacts while inverted to prevent bead detachment.
4	 Detaching the Magnet plate	4. Following the instructions, hold the finger grip of the Magnet plate and pull sideways for easy detachment. It can be easily detached by pushing down on the PUSH while pulling.