

Instructions for Use

Eppendorf Magnum FLX Magnetic adapter
English (EN)

1 About this manual

1.1 Notes about this manual

This document supplements the operating manual of the product. This document does not replace the operating manual.

1. Read these instructions for use before using this product.
2. In addition, read the operating manual of the device with which you are using the accessories.

1.2 Other applicable documents

The following documents supplement this manual:

- Hardware manual of the device
- Software manual epBlue with MultiCon PC

2 Safety

2.1 Intended use

The Eppendorf Magnum FLX magnetic adapter is used for the fast and efficient settling of magnetic particles from liquid columns up to 40 mm in height. It can be used for working volumes >10 µL.

The magnetic adapter may only be used for research purposes. The magnetic adapter may not be used in diagnostic procedures.

2.2 Residual risks when used as intended

If the product is not used as intended, the installed safety devices may not function correctly. To reduce the risk of personal injury and material damage and to avoid dangerous situations, please observe the general safety instructions.

2.2.1 Personal injury

Magnetic fields can impair the functioning of pacemakers and defibrillators. Pacemakers may be reset.

- People with a pacemaker must keep a distance of at least 20 cm from the magnet.
- Warn people with a pacemaker about the strong magnetic field.

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The magnets of the Eppendorf Magnum FLX magnetic adapter contain nickel. Direct skin contact with nickel can trigger allergic reactions.

- Avoid direct skin contact with the Eppendorf Magnum FLX magnetic adapter.
- After direct skin contact, wash affected areas with water and soap.
- Users with a known nickel allergy must avoid handling the Eppendorf Magnum FLX magnetic adapter.

The Eppendorf Magnum FLX magnetic adapter has a strong magnetic field. If the distance between the Eppendorf Magnum FLX magnetic adapter and other magnetizable materials is less than 10 cm, they will attract each other quickly and strongly. People may have their skin and fingers crushed.

- Always make sure that there is a minimum distance of 10 cm between the Eppendorf Magnum FLX magnetic adapter and other magnetizable materials.
- Wear protective gloves.

2.2.2 Material damage

The Eppendorf Magnum FLX magnetic adapter creates a strong magnetic field. Electronic devices may be damaged by the magnetic field, e.g. computers, CRT-based monitors, data carriers, mechanical watches, credit cards, hearing aids.

- Do not place electronic devices or metal objects near the Eppendorf Magnum FLX magnetic adapter.

The Eppendorf Magnum FLX magnetic adapter creates a strong magnetic field. Nearby metal objects will be attracted to the magnetic adapter and may be damaged.

- Do not place any metal objects in close proximity to the Eppendorf Magnum FLX magnetic adapter.

2.3 Information on accessories

Information	Meaning
	<p>WARNING</p> <p>STRONG MAGNETIC FIELD</p> <p>People with pacemakers/implantable cardioverter defibrillators (ICD) should avoid contact with this product.</p>

3 Product description

3.1 Features

The Eppendorf Magnum FLX magnetic adapter is used to isolate magnetic beads in a suspension and to remove washing liquid.

A plate is placed on the Eppendorf Magnum FLX magnetic adapter, which is filled with magnetic particles in a suspension. The magnetic adapter has 96 strong ring magnets. The ring magnets cause the magnetic particles to settle on the tube inner wall after a period of time. The magnetic particles form a ring at magnet level. The washing liquid is aspirated below the magnetic particle ring using a pipette tip. The magnetic particles remain in the plate.

The following labware can be inserted into the magnetic adapter:

- Deepwell plates with 96 wells
- Plates with round bottoms and plates with V-bottoms with 96 wells
- Skirted, semi-skirted and unskirted PCR plates with 96 wells

Use of the gripper:

- The gripper does not transport the magnetic adapter.
- The gripper inserts plates into the magnetic adapter.
- The gripper removes plates from the magnetic adapter.

The Eppendorf Magnum FLX magnetic adapter may not be tempered.

3.2 Product overview

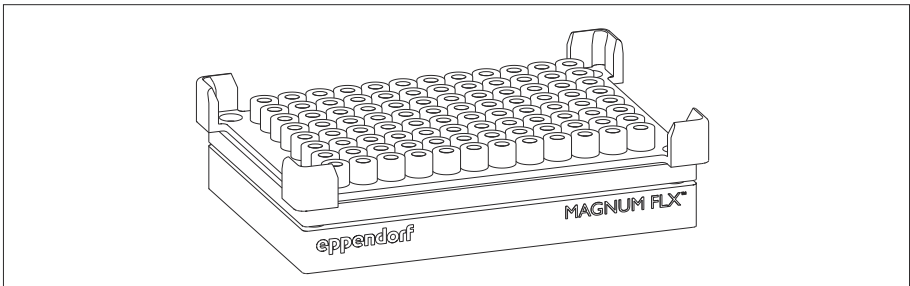


Fig. 3-1: Eppendorf Magnum FLX Magnetic adapter

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4 Maintenance

4.1 Cleaning

Information on cleaning can be found in the hardware manual of the device.

5 Storage

1. Store and transport the Eppendorf Magnum FLX magnetic adapter in its original packing.

6 Disposal

6.1 Preparing for disposal

Preparing disposal in accordance with legal regulations



For information on the legal regulations that apply in your country, please contact your local competent authority or your Eppendorf partner.



Dispose of non-decontaminable devices as hazardous waste.

1. Check which legal regulations apply to disposal in your country.
2. Choose a certified disposal company or contact your Eppendorf partner.

Creating a decontamination certificate

Prerequisites:

- The device has been decontaminated.

1. Download a decontamination certificate from our webpage www.eppendorf.com.
2. Complete the decontamination certificate.

6.2 Handing over the device to the disposal company

1. Inform the disposal company of any hazards posed by the device, e.g., locking devices, flammable substances.
2. Hand over the device and the decontamination certificate to the certified disposal company.

7 Technical data

7.1 Application parameters

Operating temperature	80 °C max.
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8 Ordering information

Description	Order no.
Eppendorf Magnum FLX® Magnet Adapter universal ring magnet plate for rapid magnetic bead separation. Supports most 96-well plates (standard, PCR, deepwell)	5075 751 836

9 Trademarks and patents

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