

Instructions for Use

Thermoblock PCR 96 OC

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 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.

2.1.1 Personal injury

The thermoblock and the aluminum foil can reach temperatures of up to 96 °C. Persons may burn themselves.

- Do not touch the hot thermoblock or the hot aluminum foil.
- Before working on the device, check that the thermoblock and the aluminum foil have cooled down.

3 Product description

3.1 Features

The Thermoblock PCR 96 OC allows you to safely open sealed plates. The plates must be sealed with aluminum foil which has the property "Pierceable". A pipette tip pierces the aluminum foil. Clamps hold the plate and prevent the retracting pipette tip from lifting it.

In the epMotion, the Thermoblock PCR 96 OC can be tempered on the Eppendorf ThermoMixer module and the thermal module.

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The Thermoblock PCR 96 OC (OC = Orientation Control) facilitates working with plates whose labels are not legible. The Thermoblock PCR 96 OC has a pin on the bottom right for this purpose. Plates must be inserted in such a way that their cut-away corner is on the bottom right. The A1 position of the plate is on the top left.

The following labware can be inserted into the Thermoblock PCR 96 OC:

- Semi-skirted type plates that have a cut-away corner on the bottom right

The Thermoblock PCR 96 OC is suitable for high speeds. The maximum speed is 1700 rpm.

Labware	Recommended speed	Maximum quantity of sample material
Thermoblock PCR 96 OC	1600 rpm	Unsealed plate: < 140 µL

In epBlue, the Thermoblock PCR 96 OC is not permanently combined with a labware. A separate labware definition is available for the thermoblock.

The Thermoblock PCR 96 OC can be used with epBlue from version 40.4.

3.2 Product overview

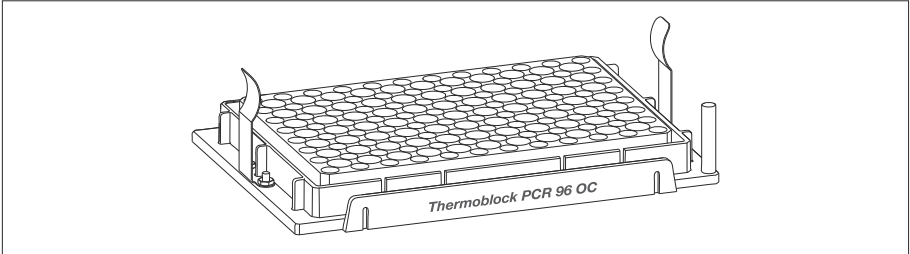


Fig. 3-1: Thermoblock PCR 96 OC

4 Application

4.1 Positioning the plate on the Thermoblock PCR 96 OC

Prerequisites:

- A semi-skirted plate with a cut-away corner.
1. Check whether the clamps on the Thermoblock PCR 96 OC are bent.
 2. Replace bent clamps.
 3. Position the plate so that the cut-away corner is on the bottom right.

4. Place the plate on the thermoblock.
5. Check that the plate is seated correctly.
 - The plate is held firmly by the clamps.
 - The plate is firmly seated in the holes of the thermoblock.

5 Maintenance

5.1 Cleaning

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

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.

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7 Ordering information

Description	Order no.
Eppendorf twin.tec® 96 real-time PCR Plate semi-skirted, 250 µL PCR clean, blue, 25 plates PCR clean, white, 25 plates	 0030 132 530 0030 132 548
Eppendorf twin.tec® PCR Plate 96 semi-skirted, 250 µL PCR clean, colorless, 25 plates PCR clean, yellow, 25 plates PCR clean, green, 25 plates PCR clean, blue, 25 plates PCR clean, red, 25 plates	 0030 128 575 0030 128 583 0030 128 591 0030 128 605 0030 128 613
Eppendorf twin.tec® PCR Plate 96 LoBind® semi-skirted, 250 µL PCR clean, colorless, 25 plates	 0030 129 504
Eppendorf twin.tec® microbiology PCR Plate 96 semi-skirted, 250 µL PCR clean, colorless, 10 plates PCR clean, blue, 10 plates	 0030 129 326 0030 129 334