

Before using the accessories for the first time, read these instructions for use. Also read the operating manual of the device the accessories are used with.

1 Product description

1.1 Main illustration

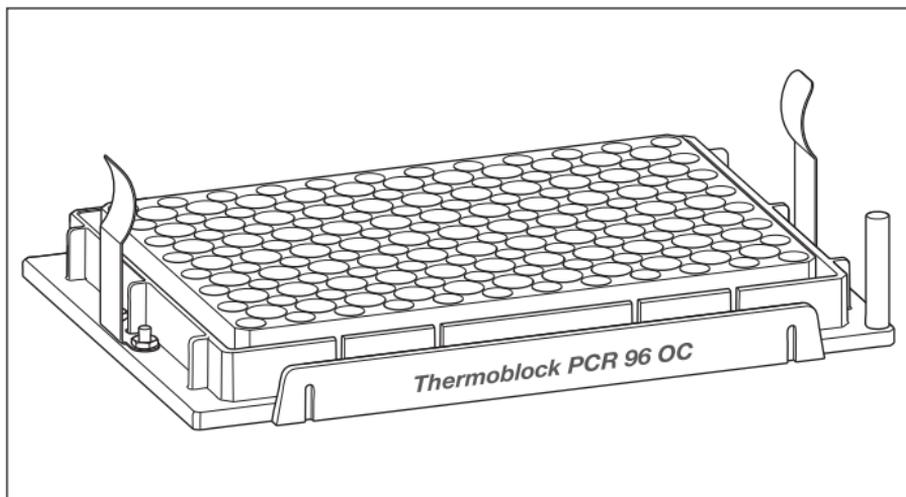


Fig. 1: Thermoblock PCR 96 OC

1.2 Features

The thermoblock PCR 96 OC (OC = Orientation Control) has been designed to open sealed plates safely. Safe opening is achieved by piercing the sealing with a pipette tip.

The thermoblock PCR 96 OC allows the insertion of semi-skirted type plates which have a cut-away corner on the bottom right.

The thermoblock PCR 96 OC facilitates working with sealed plates where the labeling is not legible. For this purpose, the thermoblock PCR 96 OC has a PIN on the bottom right. Plates must be inserted in such a way that their cut-away corner is also at the bottom right. This ensures that the position A1 of the plate is at the top left.

The thermoblock PCR 96 OC is suitable for high mixing speeds.

The thermoblock PCR 96 OC can be inserted in all *epMotion*. The thermoblock PCR 96 OC can be temperature-controlled on the Eppendorf ThermoMixer module and the thermal module.

The thermoblock PCR 96 OC is suitable for use with *epBlue* from versions 40.4 upwards.

1.2.1 Opening sealed plates

The plates must be sealed with aluminum foil which has the property "Pierceable".

To open a position in a sealed plate, the aluminum foil is pierced with the pipette tip.

1.2.2 Mixing

The thermoblock PCR 96 OC is suitable for high mixing speeds.

Labware	Recommended maximum speed in rpm	Maximum quantity of sample material
Thermoblock PCR 96 OC	1600	With a non-sealed plate < 140 µL

2 Safety

2.1 Warnings for intended use



CAUTION! Caution risk of burns on the hot thermoblock and the aluminum foil.

The thermoblock and the aluminum foil can reach temperatures of up to 96 °C during operation.

- ▶ Only touch the thermoblock at the plastic edge.
- ▶ Do not touch the hot aluminum foil.



CAUTION! Sample loss due to the use of incorrect plates.

If a plate is used that does not have a cut-away corner on the bottom right, the plate will not be firmly seated on the thermoblock. The plate can collide with the dispensing tool. The plate can slip off the thermoblock.

- ▶ Use semi-skirted type plates that have a cut-away corner on the bottom right.
- ▶ Insert the plate so that its cut-away corner is on the bottom right.

3 Operation

3.1 Positioning the plate on the thermoblock PCR 96 OC

Complete the following steps in the order described

Prerequisites

- A semi-skirted type plate with a cut-away corner
1. Check whether the clamps on the thermoblock PCR 96 OC are bent.
 2. If the clamps are bent, replace the clamps. Use spare clamps.
 3. Place the semi-skirted type plate onto the thermoblock. Insert the plate so that the cut-away corner is on the bottom right.
 4. Check whether the plate is positioned properly in the thermoblock.
The plate is held firmly by the clamps.
The plate is firmly seated in the bores of the thermoblock.

4 Ordering information

Order no. (International)	Description
5075 751.666	Thermoblock PCR 96 OC
	twin.tec PCR Plate 96, semi-skirted
	wells colorless, 25 pieces
0030 128.575	border colorless
0030 128.583	border yellow
0030 128.591	border green
0030 128.605	border blue
0030 128.613	border red
	twin.tec microbiology PCR Plate 96 semi-skirted
	wells colorless, 10 pieces
0030 129.326	border colorless
0030 129.334	border blue
	twin.tec PCR Plate 96 LoBind semi-skirted
	wells colorless, 25 pieces
0030 129.504	border colorless
	twin.tec real-time PCR Plate 96 semi-skirted
	wells white, 25 pieces
0030 132.530	border blue
0030 132.548	border white
0030 132.556	border black

Your local distributor: www.eppendorf.com/contact

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