

## Instructions for use

Eppendorf Cell Imaging Plates

English (EN)

### 1 Product description

The Eppendorf Cell Imaging Plate with glass bottom and the Eppendorf Cell Imaging Plate with film bottom are suitable for growth and microscopy of cells. The black plates consist of 24 or 96 wells and are particularly suitable for the use of fluorescent dyes with cells.

Due to the extremely flat bottom materials glass and film, the Eppendorf Cell Imaging Plates allow the precise microscopy of cells. The film bottom plate is also suitable for measurements in the UV wavelength range.

Eppendorf Cell Imaging Consumables can be used in training, routine and research laboratories in the fields of life sciences, industry, or chemistry. The product is intended for research purposes only. Any other use is not warranted by Eppendorf. Not intended for use in diagnostic or therapeutic procedures.

The Eppendorf Cell Imaging Consumables may only be operated by skilled personnel who have been trained in the areas mentioned above.

### 2 Notes for use

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#### **WARNING! Risk of contamination**

Consumables are only sterile in sealed packaging.

- ▶ Please check that the packaging is undamaged.
- ▶ Observe the expiry date printed on the packaging.
- ▶ Only open the packaging immediately before use.
- ▶ Only use visually perfect and undamaged items.



#### **WARNING! Risk of contamination from multiple use.**

Consumables are intended for single-use only.

- ▶ After use, dispose of consumables in accordance with the substances with which they have come into contact.



#### **WARNING! Contamination risk from damaged plates during centrifugation.**

The plates withstand heavy loads during centrifugation. However, they can be destroyed and release the substances they contain if used improperly.

- ▶ Always observe the maximum permitted centrifugation forces.
- ▶ Read the operating manual of the centrifuge used.
- ▶ Centrifuge stacked plates at lower speed only.
- ▶ Note that organic solvents may reduce the mechanical load capability of the plates. If in doubt please contact the Eppendorf Application Support (support@eppendorf.com).

## 2 Instructions for use

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#### **CAUTION! Risk of injury from glass fragments!**

Glass fragments can cause cuts.

- ▶ Handle consumables made from glass with care. Avoid glass breakage.
- ▶ Do not touch glass fragments with your hands. Use suitable tools to pick up glass fragments.

- ▶ Reagents, consumables contaminated by reagents and materials used for cleaning and disinfecting must be disposed of in accordance with laboratory regulations.
- ▶ The surface is tissue culture treated (TCT). The surface should be coated with an appropriate biological coating (e.g. collagen) to support cell attachment and growth.
- ▶ Organic solvents may affect the integrity of the adhesive. When using aggressive chemicals (e.g., acetone) please contact the Eppendorf Application Support ([support@eppendorf.com](mailto:support@eppendorf.com)).
- ▶ Extreme temperatures (e.g., when deepfreezing or autoclaving) may result in changes of the material and can change the mechanical resistance and dimensions of the Eppendorf Cell Imaging Plates.

## 3 Technical data

	Glass bottom	Film bottom
Thickness	170 µm	25 µm
Material	Borosilicate	Fluorocarbon
Hydrolytic class	1	-
Refraction index	1.52	1.34
Abbe coefficient	55	70
Recommended working volume	24-well: 0.5 mL to 1 mL 96-well: 0.1 mL to 0.2 mL	
Total volume	24-well: 1.88 mL 96-well: 0.428 mL	
Growth area	24-well: 1.4 cm <sup>2</sup> 96-well: 0.3 cm <sup>2</sup>	
Centrifugability	Can be centrifuged up to 300 × <i>g</i> *	
Operational temperature	-20° C to +50° C	

\* The centrifugation stability of each plate type generally depends on the centrifuge and its accessories, the ambient conditions and the liquid used.

The Eppendorf Cell Imaging Plates are packed individually and sterile.

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**Certificates**

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Certificates:	The certificates can be found at <a href="http://www.eppendorf.com">www.eppendorf.com</a> .
Lot-specific certificates:	Sterility Free of detectable RNase/DNase, DNA and pyrogens. Lot-specific certificates can be found at <a href="http://www.eppendorf.com">www.eppendorf.com</a> .

**4 Ordering information**

<b>Order no. (International)</b>	<b>Order no. (North America)</b>	<b>Description</b>
0030 741.005	0030741005	<b>Cell Imaging Plate</b> 24-well, black/clear, film bottom 20 pieces
0030 741.013	0030741013	<b>Cell Imaging Plate</b> 96-well, black/clear, film bottom 20 pieces
0030 741.021	0030741021	<b>Cell Imaging Plate</b> 24-well, black/clear, glass bottom 20 pieces
0030 741.030	0030741030	<b>Cell Imaging Plate</b> 96-well, black/clear, glass bottom 20 pieces