




## TPP Clipmax 10 cm2 Chamberslide Instruction Manual

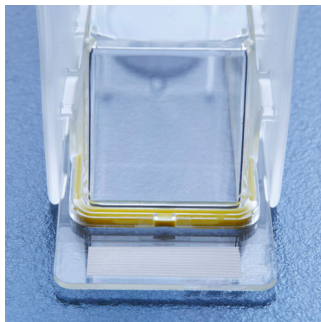
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### TPP Clipmax 10 cm2 Chamberslide



### Instructions for Use TPP Clipmax

Clipmax is a combination of a cell culture flask and a slide made of cycloolefin polymer (COP) with high optical quality. On a growth area of 10 cm<sup>2</sup> adherent cells can be cultured, directly fixed and stained for microscopic examinations. COP has excellent optical properties that allow measurements < 300 nm with a very low auto fluorescence. The excellent chemical resistance allows staining techniques with organic solvents.

Only the slides are opto-mechanically activated for optimal cell adhesion and growth.

The medium chamber and the slide are connected with a biocompatible seal. The chamber can be detached residue-free without tools by simply clipping it off. The system allows a direct gas exchange through the filter screw cap.

Clipmax is only available with filter screw cap.

Clipmax is for single use only.

**Note:**

Follow national regulations when handling biological material, use appropriate protective clothing

Take note of the regulations of aseptic working during the work process.

**Source: TPP/literature**

**Note:** TPP products are for research use only and not intended for use in clinical, diagnostic or therapeutic procedures. TPP does not assume any guarantee for damages and defects resulting from unregistered or improper use.

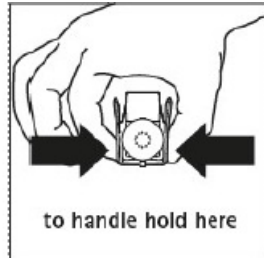
TPP recommendations are guidelines and do not represent an absolute value. TPP accepts no responsibility for the topicality, accuracy, completeness or quality of this IFU.

**Instructions:**

- Check the packaging material and the product for intactness. Use only faultless material.
- Check the expiry date (EXP) on label and packaging. Only use products with valid EXP.
- Open package in sterile environment and remove Clipmax for use.
- Open the filter screw cap and fill Clipmax with the medium and inoculum according to the usual laboratory routine.
- To achieve an uniform cell growth, the following aspects must be observed:
  - Resuspend the cells well with the medium to avoid cell lumps.
  - Avoid foaming during resuspension and seeding to avoid holes in the cell layer.
  - Low medium volume leads to meniscus formation and thus to uneven growth of the cells (cell clumps at the edge). Please refer to the technical data for the optimum filling volume.
- Close the filter screw cap completely. The integrated hydrophobic PTFE filter membrane 0.22 µm ensures continuous gas exchange. If the membrane gets wet, the gas exchange is reduced for a short time.
- Cultivate the cells according to the usual laboratory routine.
- The aeration cams on the upper side of the chamber allow even heat distribution in the incubator even when several Clipmax are stacked on top of each other.
- Fix and stain directly on the slide according to the protocol.
- Store at room temperature before use, protect from UV light.

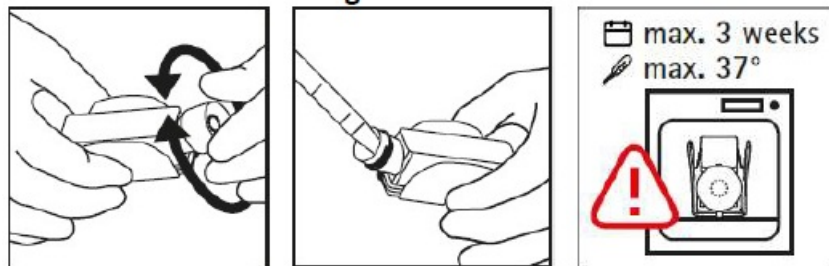
**Remarks and Recommendations**

- Clipping off the chamber from the slide is irreversible and leads to a leaking chamber system.
- For identification, use the labelling field on the Clipmax slide.
- The stacking rim allows a stable stacking of several Clipmax on top of each other.
- For a homogenous cultivation of the cells, levelling of the incubator and continuous supply of medium is essential.
- Avoid and/or eliminate vibration sources near the incubator to ensure uniform cell growth.



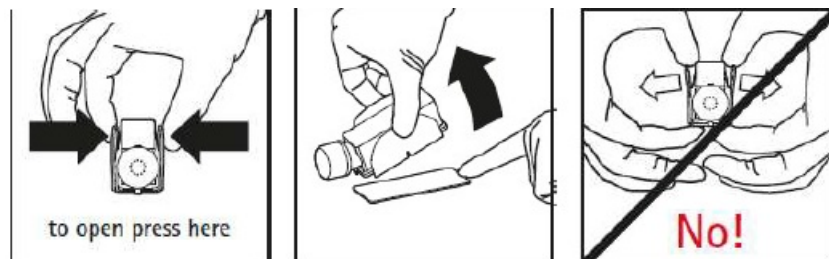
- Open the packaging by peeling off the foil.
- Remove the Clipmax while avoiding touching/scratching the slide.

### Cultivation



- Open the screw cap
- Fill the Clipmax.
- Do not cultivate the cells for more than 3 weeks at 37 °C

### Remove Chamber



- Remove the medium.
- Depending on the staining method, you can wash, fix and stain the cells inside the chamber and then clip off the chamber.
- To clip off the chamber, press the upper part of the wings together. After a "click" you can now remove the slide.

### Technical Data:

## Materials


- Medium chamber **PS**
- Slide **COP**
- Screw cap **PE**
- Membrane **PTFE**, Pore size **0.22 µm**

<b>Measurement:</b>	<b>70010</b>
Cap	Filter
Membrane µm	0.22
Heights mm	32
Width mm	33
Length mm	92
Refractive index nD 589 nm	1.52
Growth area cm <sup>2</sup>	10
Rec. volume mL	3.5
Max. volume mL	5
Outer dimensions slide Width x length mm	25 x 75

## Additional:

Instructions for use, chemical resistance lists, and quality certificates of the respective products are available for download on the homepage [www.tpp.ch](http://www.tpp.ch).

## Documents / Resources

	<p><a href="#">TPP Clipmax 10 cm2 Chamberslide</a> [pdf] Instruction Manual Clipmax 10, cm2 Chamberslide, Clipmax 10 cm2 Chamberslide, Chamberslide</p>
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## References

- [www.tpp.ch](http://www.tpp.ch)