



cellQART® Cell Culture Inserts

User guide

Scope of application

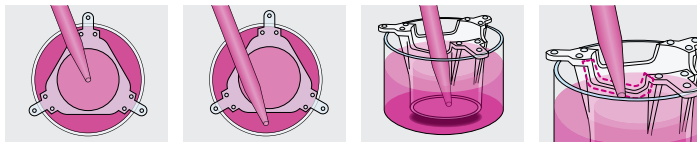
Our cellQART® Cell Culture Inserts come with PET membranes in translucent, clear extended culture or clear optics and 6-, 12- and 24-Well format which are compatible with most standard Cell Culture Plates. They are tissue culture treated and gamma sterilized.

Wide window of cellQART® Cell Culture Insert for comfortable pipette access.

Asymmetric positioning of cellQART® Cell Culture Inserts...

... for comfortable pipette access to the cultivation vessel.

Lowered top edge for better pipette access to the cultivation vessel.



Insert dimensions

	6-Well Insert	12-Well Insert	24-Well Insert
Ø A = Inner diameter	23.9 mm	11.9 mm	6.4 mm
Ø B = Outer diameter	26.9 mm	14.9 mm	9.4 mm
↑ H = Height	16.3 mm	16.3 mm	16.3 mm
Growth area	4.5 cm ²	1.1 cm ²	0.3 cm ²
Working volume Insert	1–4 ml	0.2–0.8 ml	0.1–0.4 ml
Working volume Well	2–4 ml	0.9–1.8 ml	0.6–1.5 ml

Notice

Please visit our website (www.cellQART.com) for the latest and most up-to-date information. The information provided in this document herein is subject to change at any time without notification. This document does not commit SABEU in any way. SABEU is not responsible for any errors that may appear in this document.

Product characteristics

- ✔ Comfortable pipette access
- ✔ Optimized gas exchange by product design (Lowered top edge and embossed spots on arms)
- ✔ RNase/DNase free and non-pyrogenic
- ✔ Compatible with most standard Cell Culture Plates
- ✔ Industry's leading quality standards to ensure 100 % membrane parameter consistency and reproducible cell culture results
- ✔ Certified in accordance with DIN EN ISO 9001, DIN EN ISO 13485 and ISO class 8 cleanroom classification
- ✔ Project based customization possible with 100 % inhouse production of plastics & membrane components

User guidelines

- ✔ All products are for research use only and not intended for use in diagnostic or medical applications.
- ✔ Verify that blister, insert, and membrane are undamaged before usage.
- ✔ Be careful not touching or damaging the membrane.
- ✔ Ensure ideal cell growth conditions such as a controlled environment and temperatures below 50 °C.
- ✔ When using products in wells, make sure to keep at least 1 mm space between membrane and bottom of well.
- ✔ Keep products away from strong acids, strong caustic solutions and organic solvents.
- ✔ All products are for single use only.

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Our cellQART® Cell Culture Inserts come with tissue culture treated PET (Polyester/Polyethylene Terephthalate) membranes, are gamma sterilized and are available in various optical versions:

Clear PET	Clear extended culture PET	Translucent PET
Clear PET membranes enable superior optical transparency for visualization of cells by using phase contrast/bright field microscopy.	Clear extended culture PET membranes have the optimal pore density to support long term cultures. These membranes allow for monitoring by using phase contrast/bright field microscopy.	Translucent PET membranes have a high pore density. This allows for maximum diffusion of materials between the Cell Culture Insert and receiver Plate.

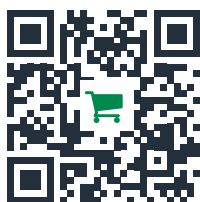
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Pore size	Pore density by membrane optics			Well size	Format
	Clear	Clear extended culture	Translucent		
0.4 µm	2 × 10 ⁶ pores per cm ²	4 × 10 ⁶ pores per cm ²	100 × 10 ⁶ pores per cm ²	6-Well 12-Well 24-Well	Single Insert Fully pre-loaded Well Plate Half pre-loaded Well Plate Empty Well Plate
1.0 µm	2 × 10 ⁶ pores per cm ²	–	2 × 10 ⁶ pores per cm ²		
3.0 µm	0.6 × 10 ⁶ pores per cm ²	–	2 × 10 ⁶ pores per cm ²		
5.0 µm	0.6 × 10 ⁶ pores per cm ²	–	0.6 × 10 ⁶ pores per cm ²		
8.0 µm	0.1 × 10 ⁶ pores per cm ²	–	0.2 × 10 ⁶ pores per cm ²		

Product specific information printed on the blister label.

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