

cellQART® Cell Culture Inserts

User guide



Scope of application

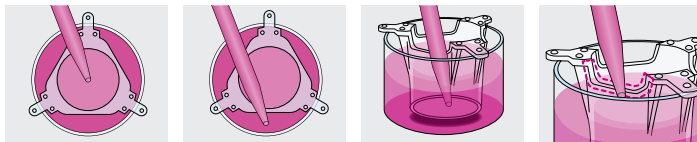
Our cellQART® Cell Culture Inserts come with PET membranes in translucent or clear optics and 6-, 12- and 24-Well format which are compatible with most standard Cell Culture Plates. Generally they are tissue culture treated and gamma sterilized for the application of growing various cell cultures.

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

Asymmetric positioning of cellQART® Cell Culture Inserts ...

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

Lowered top edge for better pipetting 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

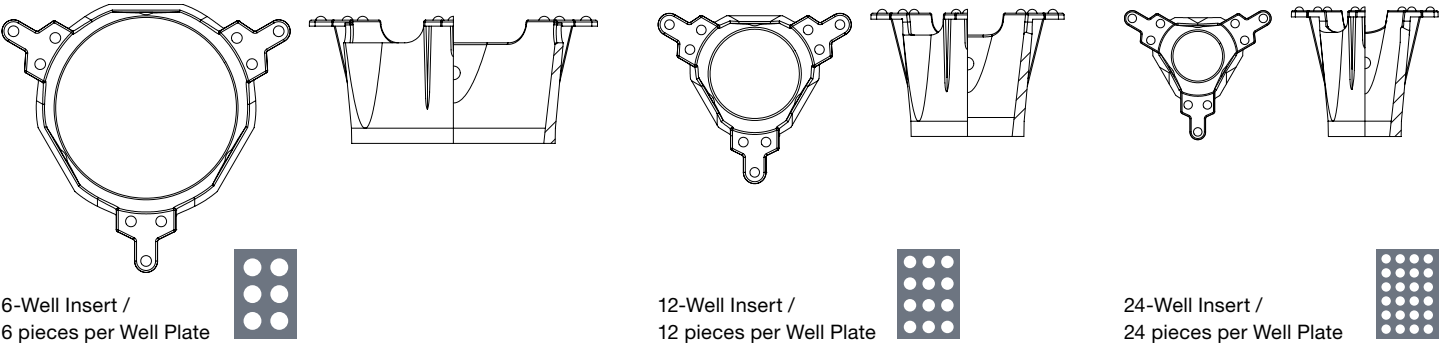
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Product characteristics

- Convenient 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 leading quality standards to ensure 100 % membrane parameter consistency and reproducible cell culture results
- DIN EN ISO 9001, DIN EN ISO 13485 certified and ISO class 8 clean room production
- Project based customization possible with 100 % in-house 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.



1:1 original cellQART® Cell Culture Insert dimensions

Portfolio

	Picture	Quantity per Well Plate	Growth area	Membrane optics	Pore size	Pore density per cm ²	Item number	Quantity per box
6-Well Insert PET		6 pcs.	4.5 cm ²	 Translucent	0.4 μm	100 × 10 ⁶	930 04 02	48 pcs.
					1.0 μm	2 × 10 ⁶	930 10 02	
					3.0 μm	2 × 10 ⁶	930 30 02	
					5.0 μm	0.6 × 10 ⁶	930 50 02	
					8.0 μm	0.2 × 10 ⁶	930 80 02	
				 Clear	0.4 μm	2 × 10 ⁶	930 04 12	
					1.0 μm	2 × 10 ⁶	930 10 12	
					3.0 μm	0.6 × 10 ⁶	930 30 12	
					5.0 μm	0.6 × 10 ⁶	930 50 12	
					8.0 μm	0.1 × 10 ⁶	930 80 12	
12-Well Insert PET		12 pcs.	1.1 cm ²	 Translucent	0.4 μm	100 × 10 ⁶	931 04 02	48 pcs.
					1.0 μm	2 × 10 ⁶	931 10 02	
					3.0 μm	2 × 10 ⁶	931 30 02	
					5.0 μm	0.6 × 10 ⁶	931 50 02	
					8.0 μm	0.2 × 10 ⁶	931 80 02	
				 Clear	0.4 μm	2 × 10 ⁶	931 04 12	
					1.0 μm	2 × 10 ⁶	931 10 12	
					3.0 μm	0.6 × 10 ⁶	931 30 12	
					5.0 μm	0.6 × 10 ⁶	931 50 12	
					8.0 μm	0.1 × 10 ⁶	931 80 12	
24-Well Insert PET		24 pcs.	0.3 cm ²	 Translucent	0.4 μm	100 × 10 ⁶	932 04 02	48 pcs.
					1.0 μm	2 × 10 ⁶	932 10 02	
					3.0 μm	2 × 10 ⁶	932 30 02	
					5.0 μm	0.6 × 10 ⁶	932 50 02	
					8.0 μm	0.2 × 10 ⁶	932 80 02	
				 Clear	0.4 μm	2 × 10 ⁶	932 04 12	
					1.0 μm	2 × 10 ⁶	932 10 12	
					3.0 μm	0.6 × 10 ⁶	932 30 12	
					5.0 μm	0.6 × 10 ⁶	932 50 12	
					8.0 μm	0.1 × 10 ⁶	932 80 12	

Customizations (especially alternative membranes, e.g. black colored or further pore sizes) upon request.

Materials	
Membrane component:	Polyester (PET)
Plastic component:	Polystyrene (PS)



TC treated



Gamma sterilized