

CELLdisc[™]

Simplify your scale up and mass cell culture

CELLdisc[™] is a new multilayer device covering a range of cell culture surfaces from 1,000 cm² up to 1 square meter. The innovative ergonomic design of CELLdisc[™] provides a versatile system for the propagation of adherent mammalian cells from research scale to industrial batches. In addition, a centrally located channel allows an uniform distribution of gas throughout the device. A socle-rim guaranties that the bottom layer of the CELLdisc[™] does not touch the surface of the incubator. The compact and robust cylindrical device is ideally suited for automation and upscaling of mass cell culture.

Key Facts Minimum space required for handling of 6 device 40 % higher surface/volume ratio than 6 conventional multilayer systems Surface treatment for optimal cell 6 attachment Optimal ventilation through central gas 6 support channel Gas inlet and outlet equipped with filters 6 Easy accessibility due to wide opening port 6 Predictable scale up within one format 6 $(1,000 \text{ cm}^2 - 10,000 \text{ cm}^2)$ Suitable for basic research as well as 6 industrial applications

Ordering Information					
Cat. No.	Product Description	Quantity per Bag	Quantity per Case		
678 104	CELLdisc™, 4 layers, TC treated 1,000 cm², red screw cap, sterile	1	4		
678 108	CELLdisc™, 8 layers, TC treated 2,000 cm², red screw cap, sterile	1	3		
678 116	CELLdisc™, 16 layers, TC treated 4,000 cm², red screw cap, sterile	1	2		
678 140*	CELLdisc™, 40 layers, TC treated 10,000 cm², red screw cap, sterile	1	1		
678 904	CELLdisc [™] , 4 layers, Advanced TC [™] treated 1,000 cm ² , blue screw cap, sterile	1	4		
678 908	CELLdisc [™] , 8 layers, Advanced TC [™] treated 2,000 cm ² , blue screw cap, sterile	1	3		
678 916	CELLdisc [™] , 16 layers, Advanced TC [™] treated 4,000 cm ² , blue screw cap, sterile	1	2		
678 940*	CELLdisc [™] , 40 layers, Advanced TC [™] treated 10,000 cm ² , blue screw cap, sterile	1	1		

Patent pending

* Available on request

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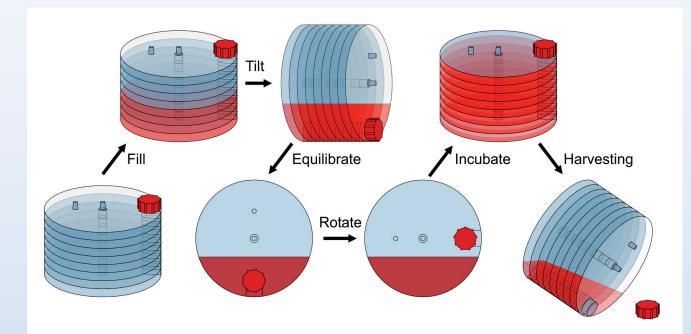


CELLdisc™ Features

- Integrated gas support channel (active or passive gas exchange possible)
- Large 38 mm opening with screw cap for easy filling
- Wide interconnecting channel for fast liquid exchange
- Available as 4-, 8-, 16- and 40-layer version
- Robust pressure resistant cylindrical design
- Screw cap color indicating surface treatment
- Vent port for pressure equilibration

CELLdisc™ Concept

6	Step 1:	Fill cell suspension into CELLdisc™
6	Step 2:	Close CELLdisc [™] with the screw cap firmly, then tilt device 90° with screw
		cap/channel at lowest possible position
6	Step 3:	Wait (5-10 seconds) until liquid is equally distributed
6	Step 4:	Rotate CELLdisc™ by further 90°
6	Step 5:	Raise CELLdisc™ up right from this position
6	Step 6:	Tilt CELLdisc™ slightly and transport carefully
6	Step 7:	Place CELLdisc™ on a horizontal surface into an incubator



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