

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 device
- 40 % higher surface/volume ratio than conventional multilayer systems
- Surface treatment for optimal cell attachment
- Optimal ventilation through central gas support channel
- Gas inlet and outlet equipped with filters
- Easy accessibility due to wide opening port
- Predictable scale up within one format (1,000 cm² - 10,000 cm²)
- Suitable for basic research as well as industrial applications



Ordering Information

Cat. No.	Product Description	Quantity per Bag	Quantity per Case
678 104	CELLdisc™, 4 layers, TC treated 1,000 cm ² , red screw cap, sterile	1	4
678 108	CELLdisc™, 8 layers, TC treated 2,000 cm ² , red screw cap, sterile	1	3
678 116	CELLdisc™, 16 layers, TC treated 4,000 cm ² , red screw cap, sterile	1	2
678 140*	CELLdisc™, 40 layers, TC treated 10,000 cm ² , 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*

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

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

