

CELLdisc™

Simplify your cell culture scale up

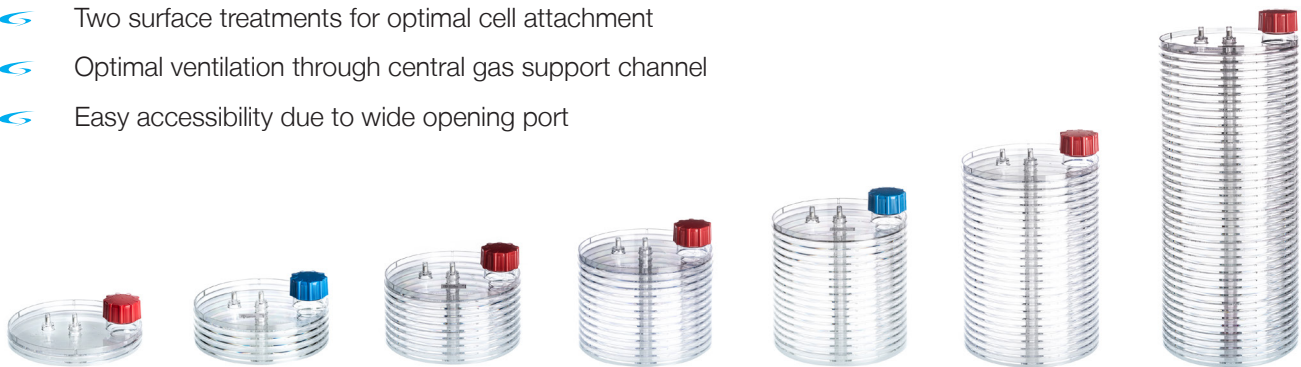
CELLdisc™ is a multilayer cell culture device covering a range of 250 cm² to 10,000 cm² growth area. The innovative ergonomic design provides a versatile system from research scale to industrial batches with a 40 % higher surface/volume ration then conventional multilayer systems. A centrally located ventilation channel assures uniform distribution of gas throughout the device whereas the wide opening port simplifies manual filling. The compact and robust cylindrical device is ideally suited for automation and upscaling of cell culture. For the connection of the individual layers a proprietary, particle, adhesive free assembly technique is used and the complete end product is USP Class VI certified. Additionally CELLdisc™ is guaranteed to be sterile (SAL 10⁻⁶), non-pyrogenic, non-cytotoxic and free of detectable DNase, RNase and human DNA.

Key Facts

- Compact device suitable for basic research and industrial applications
- 40 % higher surface/volume ratio than conventional multilayer systems
- Two surface treatments for optimal cell attachment
- Optimal ventilation through central gas support channel
- Easy accessibility due to wide opening port

Free of detectable
DNase, RNase,
human DNA
non-pyrogenic

non-
cytotoxic



Ordering information

Item No.	Layers	Surface treatment	Surface [cm ²]	Min. working volume [ml]	Max. working volume [ml]*	Ø [mm]	Cap colour	Sterility SAL 10 ⁻⁶	Quantity per bag/ case
678101	1	TC	250	15	70	200	● red	x	1 / 8
678104/ 678904	4	TC/ Adv. TC	1.000	60	280	200	● red / ● blue	x	1 / 4
678108/ 678908	8	TC/ Adv. TC	2.000	120	560	200	● red / ● blue	x	1 / 3
678112/ 678912	12	TC/ Adv. TC	3.000	180	840	200	● red / ● blue	x	1 / 2
678116/ 678916	16	TC/ Adv. TC	4.000	240	1.120	200	● red / ● blue	x	1 / 2
678124/ 678924	24	TC/ Adv. TC	6.000	360	1.680	200	● red / ● blue	x	1 / 2
678140/ 678940	40	TC/ Adv. TC	10.000	600	2.800	200	● red / ● blue	x	1 / 1

CELLdisc™- Variants

CELLdisc™ with external filter

Secure gas exchange is assured by synthetic depth filter inserts in all standard CELLdisc™ versions with a bacterial filtration efficiency of 99,98% (ASTM F 2101, 21 CFR Parts 210,211 and 820).

For specific applications external filters with an integrated filtration membrane and a defined pore size are required. For such usage Greiner Bio-one offers the CELLdisc™ external filter variants with USPVI certified venting filters, manufactured with reinforced hydrophobic PTFE membranes and a pore size of 0.2µm. The CELLdisc™ with external filter is defined by an -EXF suffix to the respective product number.

CELLdisc™ with closed filling caps

Working in an GMP surrounding requires maximal security on sterility and hence a closed system for fluid transfer which excludes any opening of a cell culture disposable during cell cultivation.

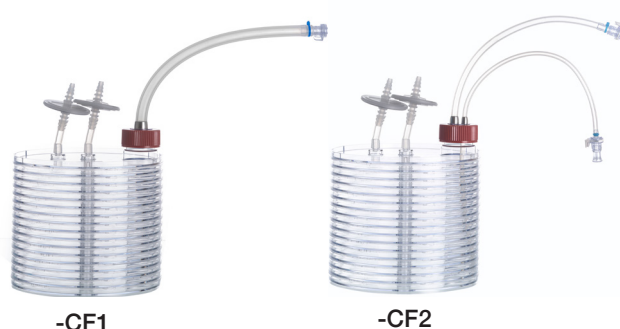
For such applications Greiner Bio-One has developed the new CELLdisc™ versions with closed filling caps. These consist of flexible USPVI certified silicone tubes attached to the CELLdisc™ screw cap which can be safely connected to liquid reservoirs like media bags using the included MPC connector.

For each CELLdisc™ two versions are available:

- closed filling cap with single tubing (-CF1 suffix to the product number)
- closed filling cap with double tubing with included dip-in tube (-CF2 suffix to the product number)

Key Facts

- Closed system for maximum safety and prevention of contamination
- MPC type connector for quick and safe connection / disconnection of tubing to / from medium reservoirs
- Constant flow rates preventing foaming of medium
- Choice of systems with single tubing for emptying via gravity or double-tubing for medium removal with a pump



The closed filling cap with single tubing contains a special cone-shaped design on the inside of the cap facilitating draining of tilted CELLdisc™ by gravity. To accelerate the emptying process and avoid any dead volume, the closed filling cap with double tubing and integrated dip-in tube can be used. That latter reaches down to the bottom of the CELLdisc™, allowing complete emptying with a pump.

Ordering information

Item No.	Description	Sterility SAL 10 ⁻⁶
678xxx-EXF	CELLdisc™ with external filter, triple packed	x
678xxx-CF1	CELLdisc™ with closed filling cap with single tubing and external filter, triple packed	x
678xxx-CF2	CELLdisc™ with closed filling cap with double tubing and external filter, triple packed	x