

Fill, ventilate and achieve optimum growth

The CELLdisc cell culture vessel offers large growth surfaces on a small footprint and facilitates the scale-up of mass cell cultures.

Frickenhausen, 27th of June 2016 – Greiner Bio-One, a technology partner for the diagnostic and pharmaceutical industry, presents CELLdisc, a new multilayer cell culture vessel that offers a growth area of up to one square metre for adherent mammalian cells on a minimal footprint. Its compact, robust and cylindrical design means CELLdisc is just as suited to smaller test series as it is for automation and the quantifiable scale-up of mass cell cultures in sizes of between 1,000 and 10,000 square centimetres.

Central ventilation

The innovative ergonomic design of CELLdisc significantly simplifies the cultivation of mammalian cells. Each unit is ventilated via a central gas channel which allows the media within to be either passively or actively gassed. Both incoming and exiting gas lines have integrated air filters which, along with an optimised surface treatment, combine to support maximum cell growth.

Fill, tilt and turn

The CELLdisc concept requires only a few steps to create a cell culture – fill with cell suspension, close the screw cap, tilt by 90 degrees and wait until the fluid has spread evenly. Then simply turn again by 90 degrees, straighten up and place in the incubator. The CELLdisc vessels are available with 4, 8, 16 or 40 layers.

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An image of CELLdisc can be downloaded here:

<https://download.de.gbo.com/sh/247c542ec0fead04468843026a2349ff/0154d154337b4e0775ceeea538b4ffed/>

Image source: Greiner Bio-One GmbH

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Greiner Bio-One International GmbH

Greiner Bio-One specialises in the development, production and distribution of high-quality plastic laboratory products. The company is a technology partner for hospitals, laboratories, universities, research institutes, and the diagnostic, pharmaceutical and biotechnology industries. Greiner Bio-One is split into four divisions – Preanalytics, BioScience, Diagnostics and OEM. In 2015, Greiner Bio-One International GmbH generated a turnover of 427 million euros and had over 1,890 employees, 23 subsidiaries and numerous distribution partners in over 100 countries. Greiner Bio-One is part of Greiner Holding, which is based in Kremsmünster (Austria).

Greiner Bio-One BioScience Division

The BioScience division of Greiner Bio-One ranks among the leading providers of specialised products for the cultivation and analysis of cell and tissue cultures. Drawing on decades of experience with cryogenic sample storage, Greiner Bio-One also offers solutions for automated storage systems in biobanks. In addition, we continue to utilise our expertise in the development and production of microplates for high-throughput screening, thereby allowing extremely fast and efficient drug screening for both industrial and

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research applications. The entire development, manufacturing and sales operations are controlled from the German headquarters of the BioScience division in Frickenhausen.

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