

New CELLreactor enables miniaturisation of large-scale testing procedures

Frickenhausen, 6 October 2011 – As a leading technology partner for the diagnostic and pharmaceutical industry Greiner Bio-One is introducing its new CELLreactor. The innovative 50 ml polypropylene filter top enables the miniaturisation of large-scale setups while simultaneously maximising the number of parallel experiments. It can therefore be used as a small bioreactor for the cultivation of cells. Greiner Bio-One will be presenting the new CELLreactor for the first time at Biotechnica 2011 from 11 to 13 October 2011 in Hanover, Germany.

Each CELLreactor cap on the 11.5 cm long filter top tube has eight holes and contains a polytetrafluorethylene-coated USP Class VI certified capillary pore membrane. With a pore size of 0.2 µm, the membrane not only keeps the contents of the tube completely sterile, but also ensures an excellent gas exchange. This can be reduced by closing individual openings. Liquids are mixed using standard shakers in order to minimise the formation of foam and any cellular shearing forces during the cultivation process. Another advantage of the CELLreactor is that no transfer is required for cell harvest. Due to its conical design, the tube fits into all standard 50 ml centrifuge rotors and the cells can be sedimented directly within the tube.

In addition to applications in the field of cell cultures, the CELLreactor is also suitable for the expansion of aerobic bacteria, yeasts and other microorganisms in suspension culture and for storing components and liquids that require gas exchange.

CELLreactor™ is part of the CELLSTAR® product line from Greiner Bio-One.

Greiner Bio-One at Biotechnica 2011, 11 - 13 October 2011, Hannover Messe (Hanover Trade Fair), Hall 9, Stand C10

Greiner Bio-One GmbH – BioScience Division

Greiner Bio-One is specialised in the development, production and distribution of plastic laboratory equipment. The company is technology partner for universities, research institutes and the diagnostic, pharmaceutical and biotechnology industries as well. With the **BioScience division**, Greiner Bio-One ranks among the leading providers of specialised products for the cultivation and analysis of cell and tissue cultures, as well as microplates for high-throughput screening, allowing industry and research most rapid and efficient drug screening. Additionally Greiner Bio-One develops innovative biochip technologies for genotyping. Under the management of Heinz Schmid, the German headquarters of the BioScience division in Frickenhausen (Baden-Württemberg) controls the whole research and development activities in the product ranges Cell Culture, High-Throughput Screening, Biochips and OEM.

Greiner Bio-One GmbH is a division of Greiner Bio-One International AG, based in Kremismuenster (Austria). Today Greiner Bio-One International AG generates a turnover of 311.3 million Euro. It has over 1,500 employees and operates globally with 20 own subsidiaries and numerous distributors in more than 100 countries.

Further information about Greiner Bio-One can be obtained from:

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