

New 1536 well microplate for high-content screening

Frickenhausen, 18 April 2011 – Greiner Bio-One, a leading international technology partner for the diagnostic and pharmaceutical industry, presents "SCREENSTAR" – a new 1536 well microplate designed for high-content and high-throughput screening.

Greiner Bio-One and automation supplier GNF Systems, San Diego, USA, co-developed the new 1536 well microplate for screening active pharmaceutical compounds and other agents. It is particularly suited to microscopic applications with high screening throughput requirements, e.g. high-content screening.

Manufactured entirely of cycloolefin, the microplate features a black pigmented frame to reduce cross-talk of light signals in fluorescence measurements and a 190 micrometer ultra-clear film bottom, ideal for instrument optics and microscopy.

With a refractive index similar to glass, the transparent cycloolefin well bottom combines the highest optical transparency with reduced autofluorescence, particularly in the lower UV range. Moreover, thanks to the distance of just 0.7 mm between the edge of the microplate and the film bottom, all wells can be examined easily, even with high-magnification objectives.

The 1536 well SCREENSTAR microplate also benefits from Greiner Bio-One's tried-and-tested CELLSTAR cell culture quality, thus optimising the product for cell-based assay systems, too.

The smooth microplate top absent of alphanumeric coding also facilitates use of the flush lid system developed for microplates by GNF. SCREENSTAR is thus an ideal screening plate for the GNF ultra-high throughput screening system.

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 Kremsmuenster (Austria). Today Greiner Bio-One International AG generates a turnover of 278.6 million Euro. It has over 1,500 employees and operates globally with 19 own subsidiaries and numerous distributors in more than 100 countries.

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

Greiner Bio-One GmbH
Sylvia Bauer and Simone Schafstein
Maybachstrasse 2
72636 Frickenhausen
Phone: +49 (0) 7022 / 948-0
Fax: +49 (0) 7022 / 948-514
E-Mail: marketing@de.gbo.com

Zeeb Kommunikation
Anja Pätzold
Hohenheimer Strasse 58a
70184 Stuttgart
Phone: +49 (0) 711 / 60 70 719
Fax: +49 (0) 711 / 60 70 739
E-Mail: info@zeeb.info