

## Pressrelease

Basel, 14. July 2009

# A Revolutionary New Technology for Cell Culture Introducing Hamilton's new BioLevigator 3D Cell Culture System

With the BioLevigator™, Hamilton introduces the 3D cell culture concept for increased biomass yield, reproducibility and consistency, and reduction of costs and hands-on time. Bucher Biotec AG is proud to announce the appointment to become exclusive Swiss distributor of the Hamilton BioLevigator™.

The Hamilton BioLevigator™ is the first all-in-one Benchtop 3D Cell Culture System for High Cell Yield and Significantly Simplified Workflow. Developed in collaboration with Global Cell Solutions, the BioLevigator is the first benchtop 3-D cell culture system on the market, delivering significant productivity gains to researchers in drug discovery and development, therapeutics and regenerative medicine. The BioLevigator brings the engineering and automation expertise of Hamilton together with Global Cell Solutions' unique 3D approach to cell culture for a scalable and automated system that reduces costs and streamlines the cell culturing workflow while improving the consistency and relevance of cultured cells.



The BioLevigator eliminates traditional peripheral cell culture instruments, such as incubators and centrifuges, and minimizes manual handling. Each of the BioLevigator's four hydrophobic, PTFE-filtered 50 mL cell culture tubes can produce cell growth equivalent to up to ten T75 flasks, depending on the cell line. The system features a user-friendly touch screen interface with real-time monitoring and control of environmental temperature and CO<sub>2</sub> levels.

The BioLevigator utilizes the Global Eukaryotic Microcarrier (GEM\*) technology from Global Cell Solutions. The GEM provides an optically clear and non-autofluorescent pipettable bead substrate for adherent cells to attach and grow. The GEMs contain silica-coated iron particles the suspension and pelleting of which is controlled by a simple magnetic mechanism. GEM supports growth of difficult cell lines such as primary cells and stem cells. The GEM's alginate core inhibits ice crystals during cryopreservation, ensuring high survivability and cell function.

\*BioLevigator and GEM are trademarks of Global Cell Solutions.

In order to arrange for a system demonstration at your lab, simply give us a call.

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