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## **NEXCELOM BIOSCIENCE EXPANDS AUTOMATED CELL COUNTING PRODUCT OFFERINGS WITH LAUNCH OF CELLOMETER® AUTO X4**

### **Cellometer Auto X4 Offers Fluorescence-Assisted Automated Cell Counting Functionality For Primary Samples and Viability Measurements, Ensuring Fast, Accurate and Repeatable Results**

**Lawrence, MA – January 5, 2009** – Nexcelom Bioscience LLC, provider of innovative devices and instruments for cell-based assays in cancer research and drug discovery, today announced it continues to expand its line of Cellometer automated cell counters with the launch of the Cellometer Auto X4. The Auto X4 is a fluorescence-assisted cell counter that is ideal for two main applications: one, primary samples such as PBMCs, splenocytes and other digested tissues; and two, fluorescence-based viability assays.

By introducing a fluorescent dye, cells are more easily viewed, counted and measured, and background debris can be ignored, ensuring accurate and repeatable data. When analyzing primary cell samples, fluorescence dyes allow nucleated cells to be identified more reliably than traditional manual or automated cell counting methods. For viability assays, counting cells stained with fluorescent dyes is faster and simpler than using flow cytometry and provides quantitative results, unlike fluorescence microscopy. Viability assays are based on Nexcelom's proprietary counting algorithm and employ a combination of brightfield and fluorescence cell images.

As with all Cellometer automated cell counters, the Auto X4 improves throughput by automating tedious manual counting procedures. The Cellometer Auto X4 includes the same features and functionality as the Cellometer Auto T4™ automated cell counter, but adds the ability to detect and quantify cells in fluorescence imaging mode as well as brightfield mode — a feature previously only available on Cellometer Vision, an automated cell counter with multi-mode imaging analysis. The Cellometer Auto X4 also offers the ability to determine viability using Trypan blue as well as other applications such as counting white blood cells (WBCs) in whole blood without lysing red blood cells (RBCs).

The Cellometer Auto X4 also features interchangeable filter sets that enable using a wide variety of dyes, such as acridine orange (AO), ethidium bromide (EB), and propidium

iodide (PI); dye-conjugated substrates, such as fluorescein diacetate (FDA), and calceinAM. Dyes can be used individually or in combination.

“The Cellometer Auto X4 was developed to meet the needs of customers conducting viability measurements and handling messy but not overly complex samples that require both brightfield and fluorescence detection,” said Craig Weiss, vice president of marketing, Nexcelom Bioscience. “With the Cellometer Auto X4 and use of fluorescence dyes, PBMCs, lung lavage and digested samples can be easily counted, and platelets, non-nucleated cells such as RBCs, cellular and tissue debris are excluded and unseen. Viability of cell lines can be quickly determined. As a result, users spend less time generating data and more time on interpreting it and applying it toward advancing their research.”

The Cellometer Auto X4, which includes the instrument and operating software, is quick and easy to use and requires no maintenance or system reagents. Users simply pipette 20uL of sample into a disposable counting chamber, insert it and then click “Count.” Cell size measurements for each cell and size distribution histograms are automatically generated for certain counting modes. All results and images can be saved automatically, exported to Excel or printed.

#### **About Nexcelom Bioscience**

Headquartered in Lawrence, MA, close to Boston’s biotech hub, Nexcelom Bioscience LLC designs, manufactures and markets innovative devices and instruments for cell-based assays used in cancer research and drug discovery. Since 2006, the company has experienced 1500% percent growth, earning a spot on the 2009 Inc. 500 list of America’s Fast-Growing Private Companies. Developed based on researchers’ requests, Nexcelom’s solutions automate time-consuming procedures, enabling scientists to focus less on the process and more on the research results. Nexcelom’s products are currently being used in the labs of leading pharmaceutical companies, biotech organizations, universities and research institutions. For more information, contact Nexcelom Bioscience at 978-327-5340 or visit <http://www.nexcelom.com>.

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