

January 26, 2004

New Software Enhances Innovative Spectrophotometer's Capability

Wilmington, DE, January 26, 2004 -- NanoDrop® Technologies has announced new operating software that enhances the performance of its groundbreaking NanoDrop® ND-1000 spectrophotometer, an instrument that can handle samples once considered too small to be measured.

The software – V 3.0.0 – features dedicated modules for protein and cell density measurement along with user account management capability. The software will be installed on all new ND-1000 spectrophotometers and is available free to current users as an upgrade to their existing operating system.

Responding to the growing use of the ND-1000 spectrophotometer to measure protein samples, NanoDrop Technologies is introducing three protein quantitation modules. Protein concentration can be measured directly at 280nm using any of six different calculation options or indirectly using the standard calibration curve functionality of the Bradford and BCA protein assays.

The software's new cell culture module makes it possible to directly measure concentrated cell suspensions using a 1mm path length. The ND-1000 spectrophotometer can measure absorbances that are 10 times greater than those analyzed by standard spectrophotometers without costly time- and labor-consuming dilutions.

The NanoDrop® ND-1000 is a full-spectrum spectrophotometer based on a patented technology that allows one microliter samples -- even high concentration samples without dilution -- to be directly measured in 10 seconds. This is done by using surface tension to hold the sample in place while a measurement is made. Because the sample does not need containment, there is no need for cuvettes or capillaries. And because it's only about the size of a tissue box, the instrument conserves bench space.

The NanoDrop® ND-1000 can be used for measuring the dye label concentration of microarray samples, measuring concentration and quality of nucleic acid and performing full-spectrum UV/Vis spectrophotometry with smaller sample volumes.

NanoDrop Technologies Inc., a Delaware corporation established in 2000, develops and manufactures high quality analytical instruments for bioresearch. NanoDrop Technologies Inc. holds exclusive rights to its patented sample retention technology. For more information, contact Lynne Kielhorn at 302-479-7707.