



Nanosight contact:
Jeremy Warren, +44(0)1980 676060

Media contact:
Jezz Leckenby, +44(0)1799 521881

NANOSIGHT ANNOUNCES A NEW GENERATION NANOPARTICLE CHARACTERISATION SYSTEM – THE NANOSIGHT NS500

Salisbury, UK, 2nd February 2010: NanoSight, manufacturers of unique nanoparticle characterisation technology, announces the release of the NS500 system. The NS500 incorporates new hardware and software to deliver NanoSight's growing capability in particle-by-particle characterisation, in an automated package. The first system is in use at the University of Oxford in the Nuffield Department of Obstetrics and Gynaecology of the John Radcliffe Hospital as part of a program supported by the Wellcome Foundation.

NanoSight's technology, known as Nanoparticle Tracking Analysis (NTA), provides a high-resolution particle size distribution, and not by DLS (dynamic light scattering). NTA detects individual particles as small as 10nm and, in real time, simultaneously tracks and sizes whole populations. The result is a particle size distribution that provides researchers with an over view of their samples showing everything in the whole range 10 - 1,000nm. NTA also provides count and concentration, together with a unique view which validates these results.

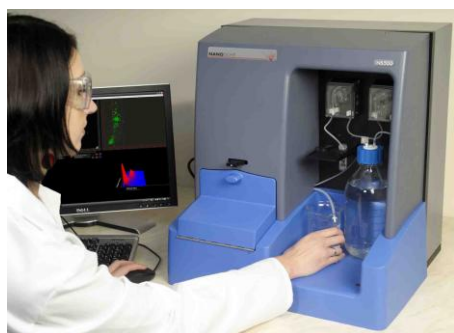
The NS500 adds fluorescence capability, enabling the user to tune into individual particles, with sensitivity to detect individual quantum dots whilst eliminating background interference of other particles and media. Standard beads may be used to bind to single particles for optimum study.

The fluid handling capability of NS500 provides the user with auto sample presentation and in-situ cleaning. It is now a routine process to clean the cell with the ability to purge, flush and load samples through user-customisable software. Dilution may also be optimised then controlled in this way. Ease of use is further enhanced with a motorised focus function to readily home in on the particles under study. In direct response to user feedback this is augmented with an indexed motorised stage, controlled through the software and providing excellent repeatability in positioning. The temperature control of the cell offers a broad range (15°C to 55°C) and programmable temperature cycling, with rapid attainment of set-point facilitating faster sample measurement and turnaround.

The goal of the NS500 is to provide an easy-to-use, reproducible platform applicable for specific and general nanoparticle characterisation use. So whether the application is to control size in nanoparticle development, provide rapid virus titer or measure the kinetics of protein aggregation, the NS500 system is the solution.

To learn more about nanoparticle characterisation using NTA, please visit www.nanosight.com and register for the latest issue of NanoTrail, the company's electronic newsletter.

Attachment



NanoSight's new NS500 nanoparticle characterisation system

**About NanoSight:**

NanoSight Ltd, of Salisbury, UK, is the world leading provider of instruments for the optical detection and real time analysis of sub-micron particles. The Company supplies unique instruments for nanoparticle analysis in the sub-micron region that go far beyond existing light scattering techniques in the characterisation of polydispersed systems. NanoSight delivers direct visualisation of individual nanoscale particles in suspension from which independent quantitative estimation of particle size, size distribution and concentration are immediately obtained. In viral titer assessment, NanoSight produces more accurate concentration results than plaque assay, and delivers them within minutes, validating the results with a unique real-time image. Founded in 2004, the company currently has more than 200 systems in service worldwide, having begun commercial sales in 2006. The Company has a growing base of users worldwide, including BASF, BP, GlaxoSmithKline, Novartis, 3M Corp, Roche, Solvay & Unilever and many universities. For more information, visit www.nanosight.com.

For further information:

Please contact NanoSight direct or their marketing agency, NetDyaLog Limited:

NanoSight Limited
Minton Park
London Road
Amesbury SP4 7RT
T +44(0)1980 676060
F +44(0)1980 624703
www.nanosight.com
jeremy.warren@nanosight.com

NetDyaLog Limited
39 de Bohun Court
Saffron Walden
Essex CB10 2BA
T +44(0)1799 521881
M +44(0)7843 012997
www.netdyalog.com
jezz@netdyalog.com