

## **NanGenex to introduce the new GMP compliant industrial scale NanoPilot™ instrument**

*31 August 2010, Budapest, Hungary* - NanGenex Inc., the Proprietary NanoSolution Technology Platform Company presents its latest GMP compliant benchtop and pilot plant reactor for the industrial scale production of NanoActive™ nanoparticles.

All members of the NanoActive™ instrument family are reliable, easy-to-install and easy-to-handle with small footprint and excellent parameter control capabilities. The new GMP compliant benchtop instrument produces up to 70 gram nanostructured active ingredient per day.

The NanoPilot™ reactor also complies with all GMP standards and has the capacity to produce up to 2-4 kilograms of nanostructured active ingredients per day. This extended capacity satisfies the commercial and production scale needs of the pharma industry. Additional scale up for food, agro and cosmetics applications is also in progress.

The breakthrough design of the NanoPilot™ enables the constant production of nanoparticles with excellent parameter control and reproducibility. Parameter optimization (e.g. pressure, temperature, flow rate, pH and concentration). during the process is achieved by integrated size and size distribution measuring analytics and further supported by prediction and optimization software tools and database. This can reduce the time it takes to formulate nanostructured active molecules by as much as 90%.

The NanoPilot™ reactor (WxDxH: 145cm x 85cm x 150cm) is build from pharmaceutical grade materials such as 316L corrosion resistance stainless steel and PTFE. High precision metering pumps having flow rate capacity between 12 and 300 liter/hour and maximum 20 bar pressure under 1% metering accuracy throughout the whole range make the large scale production possible. The reactor also has a built-in temperature control system with  $\pm 1$  °C accuracy in the operating temperature range, which is 0-80 °C.

About NanGenex Inc.

NanGenex is a NanoSolution Technology Platform Company and has developed a continuous flow precipitation technology for the synthetization of nanoparticles. Using its proprietary NanoActive™ technology, NanGenex is able to dramatically enhance the solubility and bioavailability of active ingredients. The Budapest based company is anchored as a member of the oldest and largest technology corporation network in Hungary which was established more than 25 years ago.

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