

Press Release

Basel, 16. December 2009

New Technology for High Throughput UV-VIS Analysis of Small Droplets

Trinean's DropSense96[®] Multi-Channel UV-VIS Spectrophotometer

DropSense96[®] is a novel generation of multi-channel UV-VIS spectrophotometer suitable for high throughput spectral analysis of microliter samples of biomolecules or small compounds.

Key applications:

- Nucleic acids concentration measurements
- Purity calculations
- Measurement of dye labeling efficiency of microarray samples
- Direct protein quantifications
- Color measurements (e.g. Bradford)
- General UV/VIS measurements



The patented technology is based on a multi-channel spectrophotometer and uses microfluidic DropPlate16/96[®] chips for sample storage and measurement. The DropPlate16/96[®] chips are specifically designed for precise absorption measurements of small (0,5-3 µl) samples with a very broad absorption range. They are perfectly suitable for robotic handling and provide steady measuring conditions and enhanced reproducibility due to fixed pathlengths and elimination of sample evaporation.

The Trinean technology for improved UV-VIS characterization of droplets can be used in multiple applications, including RNA/DNA/protein quantification, enzymatic reactions, ADME profiling and diagnostic tests.

Interested in a system Demo at your lab? Simply give us a call!

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