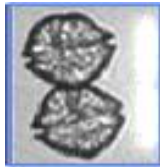


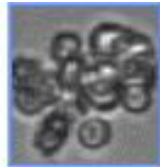


FlowCAM[®] & FlowCAM[®] Colour

The Integrated System for Particle or Cell Measurements In Solution



ALGAE



RED BLOOD CELLS



PARTICLES



BACTERIA



FLUORESCENT BEADS



General Description:

FlowCAM[®] is an integrated system for rapidly analyzing particles in a fluid. By combining capabilities of Flow Cytometry, Microscopy, Imaging and Fluorescence, substantial measurement synergy is made available. FlowCAM automatically counts, images, and analyzes the particles or cells in a discrete sample or a continuous flow, providing significantly increased data collection...all in a few seconds. Best of all, FlowCAM can be customized to accommodate most any environment or unique application.

Originally developed for oceanographic investigations to study organisms and solids in seawater, FlowCAM now offers analysts in the environmental, medical research, pharmaceutical, cosmetic, bioterrorism, chemical and petroleum fields new capabilities to rapidly evaluate water quality or product formulation and performance parameters. With the combined instrument capabilities, plus speed of imaging and analysis, FlowCAM offers new tools to tackle research challenges that previously required multiple instruments, a microscope and many hours of tedious work. Rapid imaging of micro-particles in a fluid stream can be applied to better characterize many products, substances and processes. Where there is importance in being able to identify or ascertain shape of various particulate matter in liquid substances, FlowCAM is now there to help.

FlowCAM's processing system captures a digital image of each cell or particle and presents the data in an easy-to-read spreadsheet or through our patented, Interactive Scattergram.

Features:

- Combined Benefits of Multiple Instruments
- High-Speed Digital Imaging
- Particle or Cell Size, Count and Shape
- Real-Time Bulk and Individual Particle Analysis
- Fluorescence Provides Additional Selectivity
- Image Particles 2 microns to 3 mm in Diameter
- Benchtop and Portable Units Available

FlowCAM: The New Wave In Dynamic Particle Analysis Diversity of Use

Given the flexibility of FlowCAM[®], numerous applications and sample types are easily examined:

Water Analysis

From oceanographic marine studies on the type and health of various organisms or particulate contamination to characterizing ship ballast discharges to water quality used for industrial operations and effluent streams, FlowCAM offers analysts and researchers new capabilities for discrete, continuous or in-situ analysis. Units can be set up on a bench, packaged for use on a float or submersed to monitor a water column. Call us to discuss your requirement.



Formulation Development

From pharmaceutical to fine chemical products, characterizing critical solids used in modern formulations including cosmetic topicals, pharma suspensions, flavor carriers, inorganic pigments, ink jet dyes, is better accomplished using the particle shape, size, imaging and aspect analysis of FlowCAM.

Medical Research

Animal or human body fluids are quickly examined for cells or particles for new levels of health and disease research. Status of organisms used for drug development (e.g. nematodes) are rapidly accessed and documented.

Biotech

Products of modern biotechnology are impacting a wide variety of fields and FlowCAM provides a means to monitor processes such as supported enzyme catalysis and a diversity of fermentation operations.

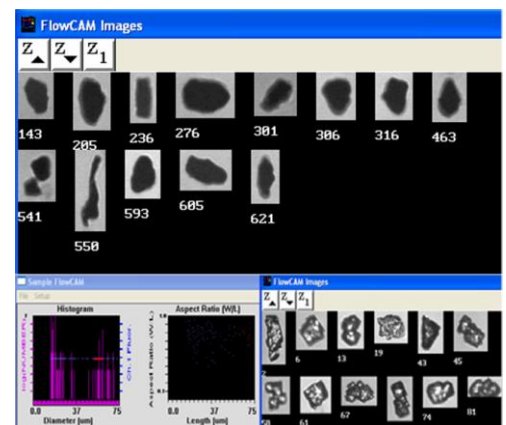
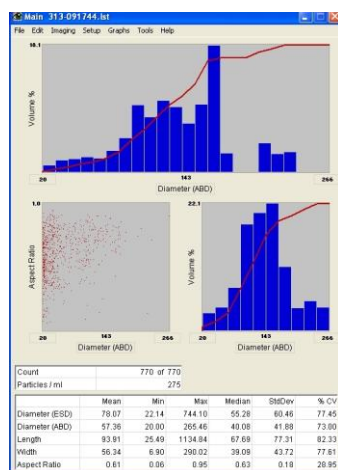
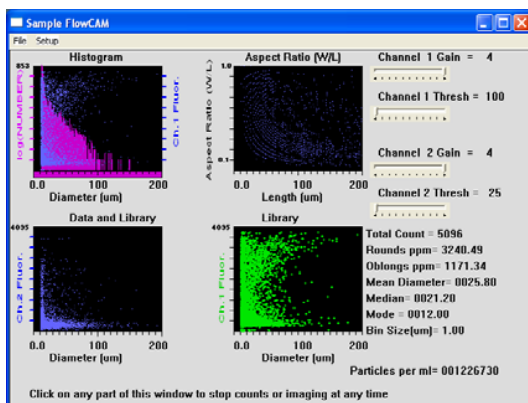
Process R&D

Given the portability of FlowCAM, various low viscosity industrial processes are more easily monitored such as oil in water (produced water) for petroleum production, along with emulsions, dispersions and mixtures used within the chemical, coatings, polymer and pharmaceutical industries. In addition to an accurate size distribution, FlowCAM lets you view a digital image of each particle along with measuring the size, shape and frequency of distribution of particles.

Product Quality

Not only the size of particles but also their shape can often influence product effectiveness and performance. With FlowCAM, several dimensions of particle characterization can be discretely or continuously monitored to insure product consistency and quality.

Call with an inquiry or a free evaluation for your project.



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