Flow Cytometry

Measurement Services – CyFlow ML, Partec / Sysmex Inc.

Overview

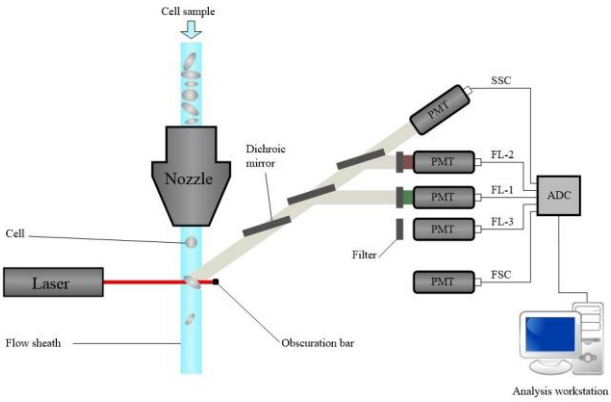
Measurement of Size, Distribution and Fluorescence of Particles

Flow Cytometry is a method to measure quantity, size granularity and fluorescence intensities of particle suspensions (e.g. cells) in a size range between 700 nm and 50 µm. The particles flow through a capillary and each particle is excited by one or more lasers of different wavelength and the scattered or emitted signals per particle are measured. That includes forward scattering (size distribution), side scattering (form factor) and fluorescence intensity of chosen excitation and emission wavelength. Up to 10 000 particles per minute can be analyzed, yielding an excellent statistics of the particle material.

Our Partec System CyFlow ML offers five fluorescent channels with excitation wavelengths: 488 nm / 532 nm / 638 nm and 5 different emission wavelengths.

Sample Requirements:

- Aqueous Solution or dried particles
- 0.5 ml 1 % Solution, minimum amount 5 mg
- Particle size above 700 nm



Principle of Flow Cytometry (Source: Wikipedia)

Flow Cytometer (Source: Sysmex Partec GmbH)

Measurements:

- Particle (Cell) Size and Granularity
- Particle (Cell) Size Distribution
- Particle (Cell) Fluorescence distribution
- Sample homogeneity

Prices

1 sample:	250 €
2 samples:	350 €
4 samples:	600 €
10 samples:	1000 €

Visit surflay.com for more information on all product services

Surflay Nanotec GmbH
Max-Planck-Straße 3
12489 Berlin
Germany
+49-30-639-21764
s.office@surflay.com