

BV Laser
Application Note

Flow cytometry

Flow cytometry

Applying the laser light to the cell on a liquid inside and measuring the reflection light from the cell. And you can obtain a lot of cell information according to the strength of light. The flow cytometry is a method to measure the cell information automatically in a short time. This method is that the liquid including the cell is made passing through the capillary, the cell line up in the row. Exposing the laser to this cell and measuring the reflection light from the cell.

Information from the flow cytometry is such as a size of individual cell, shape, difference of internal structure, internal structure of cell, an existence ratio of component which composes the cell groups.

And, to identify cell by the fluorescent antibody by measuring the fluorescence from the cell by exposing the laser beam. And you can distinguish the difference of the character of the cell that the difference of the shape of the cell not to appear.

The BV laser of 405nm and 488nm can be used for this application.

