

Cell Transport, Lysis and Analysis on Microfluidic Devices

Disclosure Number

200100918

Technology Summary

A method for transporting, lysing and analyzing cells in microfluidic devices. Cell lysis can be completed in less than 66 ms using the present method, compared to the several seconds it takes to perform chemical lysis. Rapid cell lysis helps minimize continued cellular activity resulting in a more accurate analysis of cell processes. The method of the subject invention provides the ability to examine the contents of single cells with high throughput making it of considerable value to the pharmaceutical industry and other researchers in the life sciences areas.

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