

Single cell isolation



» Expertise

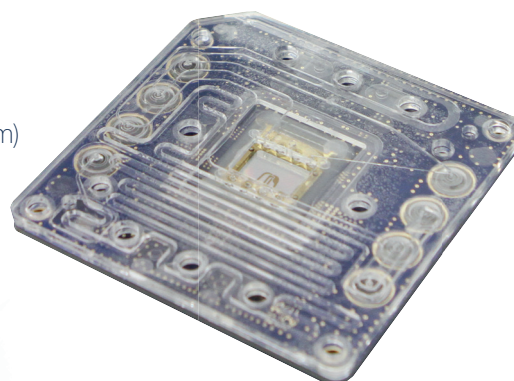
EXCILONE has developed a unique expertise in micro and nanogenomics – in the quantitative and qualitative analysis of DNA or RNA micro-quantities from low number of cells or even a single cell. The samples are obtained by Laser Capture Microdissection technique, biopsies or by isolation of cells by DEPArray®. A team of highly specialized scientists is available to carry out all your cell-sorting projects within the single cell, starting at development of the cell pre-enrichment experiments as well as the nanogenomic downstream analysis of the single cell molecular content.

» DEPArray® single cell isolation

DEPArray® technology allows for the automatic recovery of rare cells from all types of cellular suspensions. Thanks to cell specific fluorescence labeling and morphological criteria, it is possible to select relevant cells including single cells, and to isolate and collect them individually into various supports. The cells may be collected individually or in "pool" from the pre-enriched sample. This technology also allows for the isolation of the cells of interest from formalin-fixed paraffin-embedded sample (FFPE).

» Technical features

- Allows to visualize each collected cell
- A precision at the single cell level (100% recovery of relevant cells)
- Ability to deliver the cells in culture media ("no stress to cells" system)
- Obtain the molecular data at the cell level
- Study of the cell to cell interactions



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Service for single cell and Exosome isolation