Fluidigm Corporation developed a microfluidic chip technology, opening the way for wide ranging practicable applications, more to offer than just miniaturization. The Fluidigm chip includes unique integrated fluid circuit (IFC), essential for developing practical applications. The IFCs consist of valves, pumps and various other elements, in addition to microchannels with multi-layer structure. It enables complex and massively parallel bioprocesses, detection and quantification of trace targets.

< Figure >

- Cell isolation
- Antibody staining
- Single-cell sort
- Reverse transcription
- Digital PCR
- Image processing

Planning Section, RIKEN CDB
Tel: 078-306-3009 (ext. 1136)
E-mail: cdb-mtg@cdb.riken.jp