



Lab on a Chip

Applications with Laser Microdissection

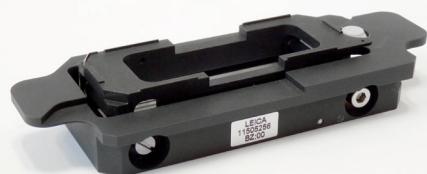
Living up to Life

Leica
MICROSYSTEMS

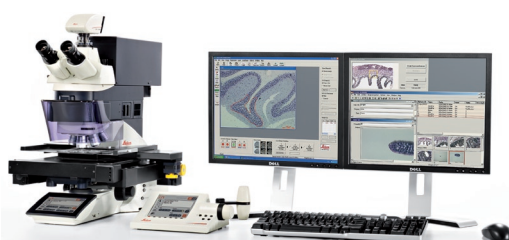
Lab on a Chip with Laser Microdissection*

Your Benefits with Leica Microsystems

- Low fluid volume consumptions
- Faster analysis and response times
- High-throughput analysis
- Safer platform for chemical, radioactive and biological studies
- Direct transfer of dissected material to chip with laser microdissection



Easy handling of various commercial and self made lab on a chip (LOC) devices with specially designed height-adjustable collector.



Leica LMD7000 – The driving force in the development of laser microdissection is Leica Microsystems.

Lab on a chip (LOC) is a device that integrates one or several laboratory functions on a single chip, e.g. sample collection and PCR analysis.

Laser microdissection (LMD) with Leica Microsystems is the ultimate tool for the perfection of LOC applications – analyze smallest amounts of starting material for quick and reliable results.

LMD uses a microscope to visualize individual cells or cell clusters. Regions of interest are selected by a software, excised from the surrounding tissue by a laser, and collected easily and safely by gravity into the wells of the LOC devices in a single step.

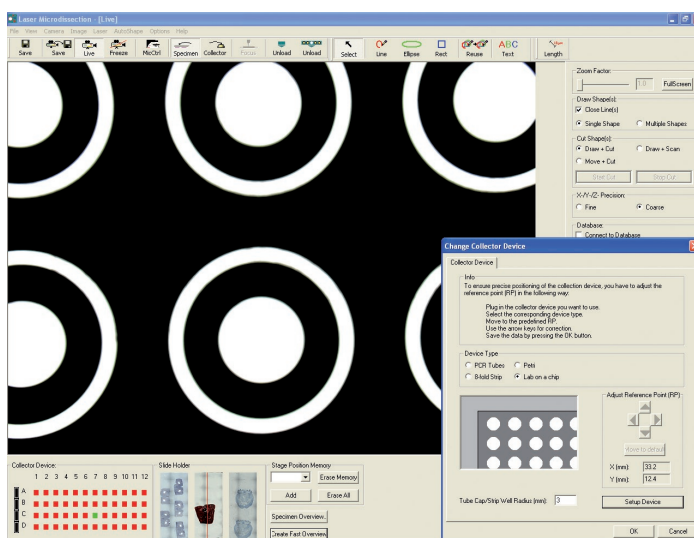
Direct visual quality control of the dissectates in the chip can easily be achieved with the Leica LMD6500 or the Leica LMD7000 microscopes.

Typical applications:

- Genotyping
- Oncology
- Immunology
- Forensics
- Plant Sciences
- Single Cell Expression Analysis

Order number:

- 11505256 Height-adjustable LOC collector, adjustable from 1 - 5 mm chip thickness



Intuitive user-interface and variable set-up of different LOCs – select chips with up to 4 x 12 wells.

* Requirements: Leica LAS 3.6, LMD Software V 6.7, and scanning stage