



Molecular Machines & Industries

mmi Cellcut®: the new generation laser microdissector from MMI

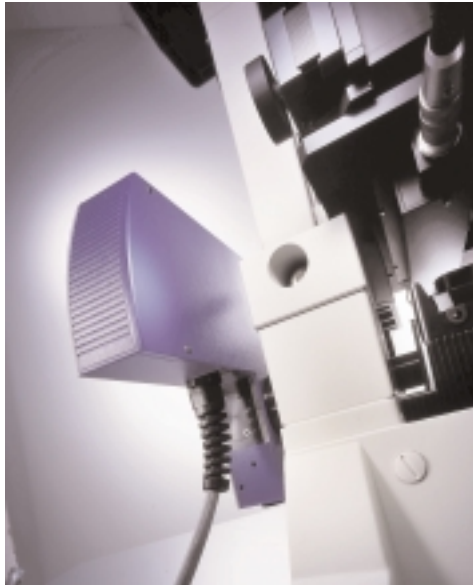
mmi Cellcut® from MMI is the ultimate microdissection tool for professionals involved in the isolation of single cells or groups of cells for molecular biological analysis in any of the following fields:

- Molecular pathology
- Cell biology
- Cancer research
- Forensic medicine
- Genomics/Proteomics
- Immunology
- Food research
- Neuroscience
- Prenatal diagnostics
- Microbiology/Virology

The cleanest cut in laser microdissection

The second generation of a much acclaimed cutting-edge tool, mmi Cellcut® combines several proven, leading-edge technologies to make the microdissection of paraffin samples, cryo samples, smears and even cell cultures fast, precise and, above all, **absolutely contamination-free.**





mmi Cellcut® **for all the power you need**

Choose mmi Cellcut® to benefit from a whole range of advantages that will make your work simpler and more effective. These include:

Contamination-free microdissection, thanks to the patented mmi IsolationCap®

Easy operation

Outstanding image quality

High-precision laser cutting

Long laser lifespan

Safe, reliable operation

Live cell microdissection

Modular, upgradable instruments from MMI such as optical tweezers, mmi Cellmanipulator® and mmi Collector®

mmi Cellcut® is compatible with all standard inverse microscopes used for research purposes

How does mmi Cellcut® work?

mmi Cellcut®'s high-quality components deliver outstanding image quality and enable you to pinpoint cells for isolation quickly and easily. Drawing freehand or using predefined geometric figures, you can encircle as many single cells or groups of cells as you wish. Cells are then cut out automatically, using a high-precision, solid-state UV laser.

Specimens are mounted on a special membrane-covered frame and a glass slide placed on top. This effectively protects the sample against impurities in the environment and is crucial for any application involving RNA, where lack of contamination is a must. Here, the mmi Cellcut® offers a **unique, patented solution**.

Microdissected samples are then cleanly removed using the mmi IsolationCap®. This cap rests on the membrane and has no direct contact with the specimen, again effectively avoiding any form of contamination.

The new generation also comes with the following extra features:

New solid-state UV laser, for even more stability

Additional software functions such as: software-controlled, automatic full-slide cap lift inspection mode, ablation mode

Optional extras

Customize mmi Cellcut® with a choice of value-added optional features for even easier, more efficient operation, such as:

mmi CellExplorer® image recognition software: automatically recognizes and cuts out fluorescence-marked cells, for instance (see separate flyer)

Multi-cap: up to four mmi IsolationCaps® can be attached simultaneously, facilitating automatic switching from one cap to the next during group cutting programs

Multi-slide functionality: permits the simultaneous microdissection of up to three membrane-mounted samples

Pen screen



For further information about this exciting development in microdissection, please contact:

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