

Non-Contact Laser Capture Microdissection

PALM MicroBeam sets the standard in Laser Microdissection and non-contact transport of bio-materials on the microscopic scale.

It enables researchers to refine raw materials right on the microscope slide or inside the culture dish by visual identification, outlining of the relevant area(s) and non-contact extraction into standard reaction tubes or wells. It is available in several configurations - from systems for single experiments to systems with automation in respect to advanced object recognition and robotic sample collection in a 96 multi-well format.

PALM MicroBeam employs the non-contact LCM method (**Laser Capture Microdissection**) as is the only, non-contact and contamination-free process of extraction.

The Target Groups are accordingly from life-science, molecular or medical biology: Everybody who works with samples on a microscopic scale who wants to apply the full toolbox of molecular biological or protein analysis or simply wants to manipulate or select and expand individual living cells is a potential customer for laser Microdissection. PALM MicroBeam goes beyond microscopy by opening the door to molecular analysis of microscopically small structures.

Applications are myriad. Prominent among is material extraction in pathology/molecular pathology, sample retrieval in forensics where every single cell counts and work with living cells, like re-cultivation, microinjection and clonal expansion.



Laser Microdissection Overview

Bridging the gap from microscopy to molecular analysis

