

LMD SERIES

LMD series describes the process of laser microdissection using the **Lecia AS/LMD®**.



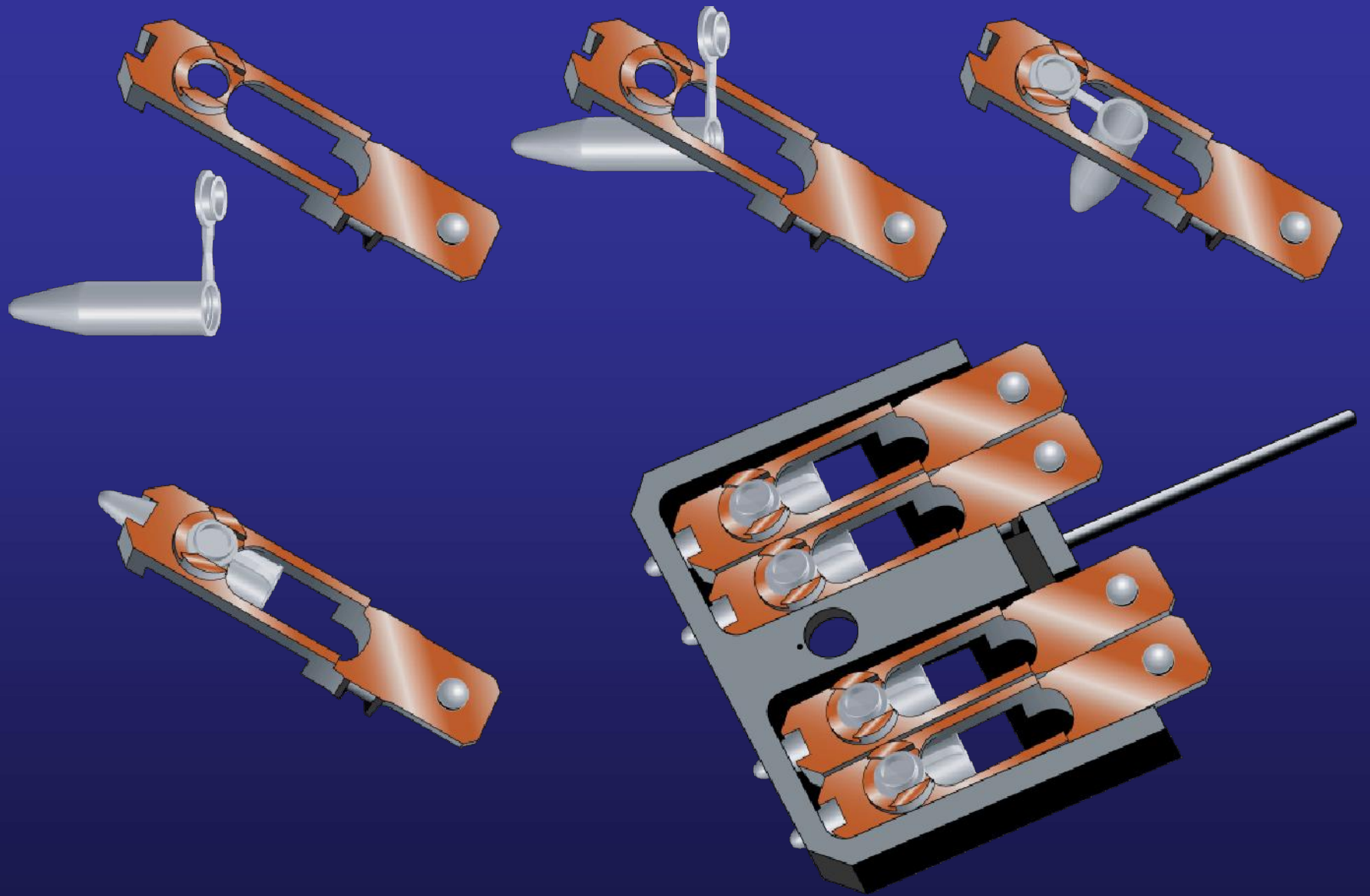
AS/LMD instrument with monitor.



Fully automated controller to guide microscope objectives, stage and lights.



Specially prepared cryosections on foil slides are used.
Invert the slide and lock into holder.



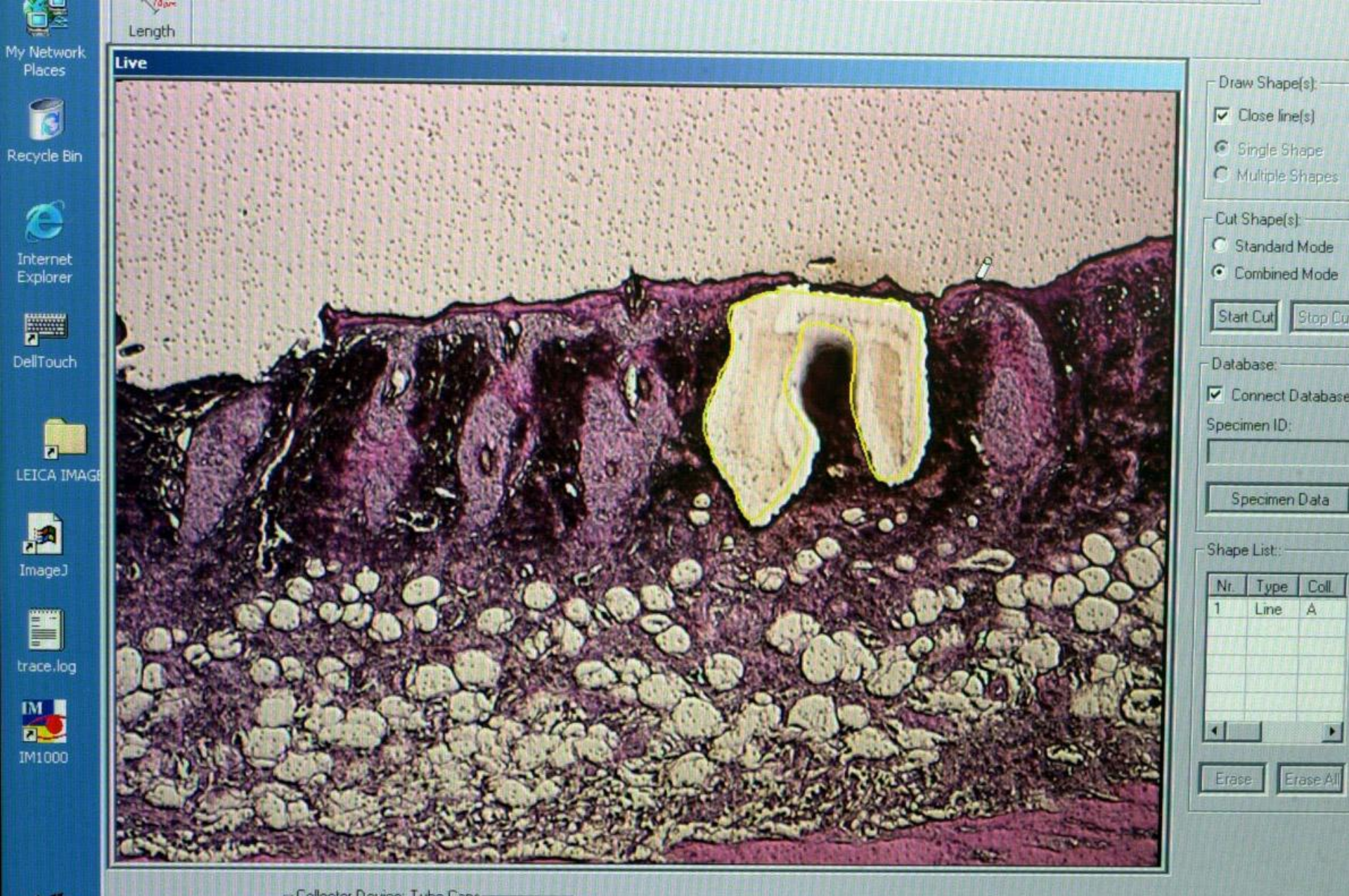
High throughput microdissection can be performed with four tubes in place.



Tube carrier is loaded underneath microscope stage for automation.



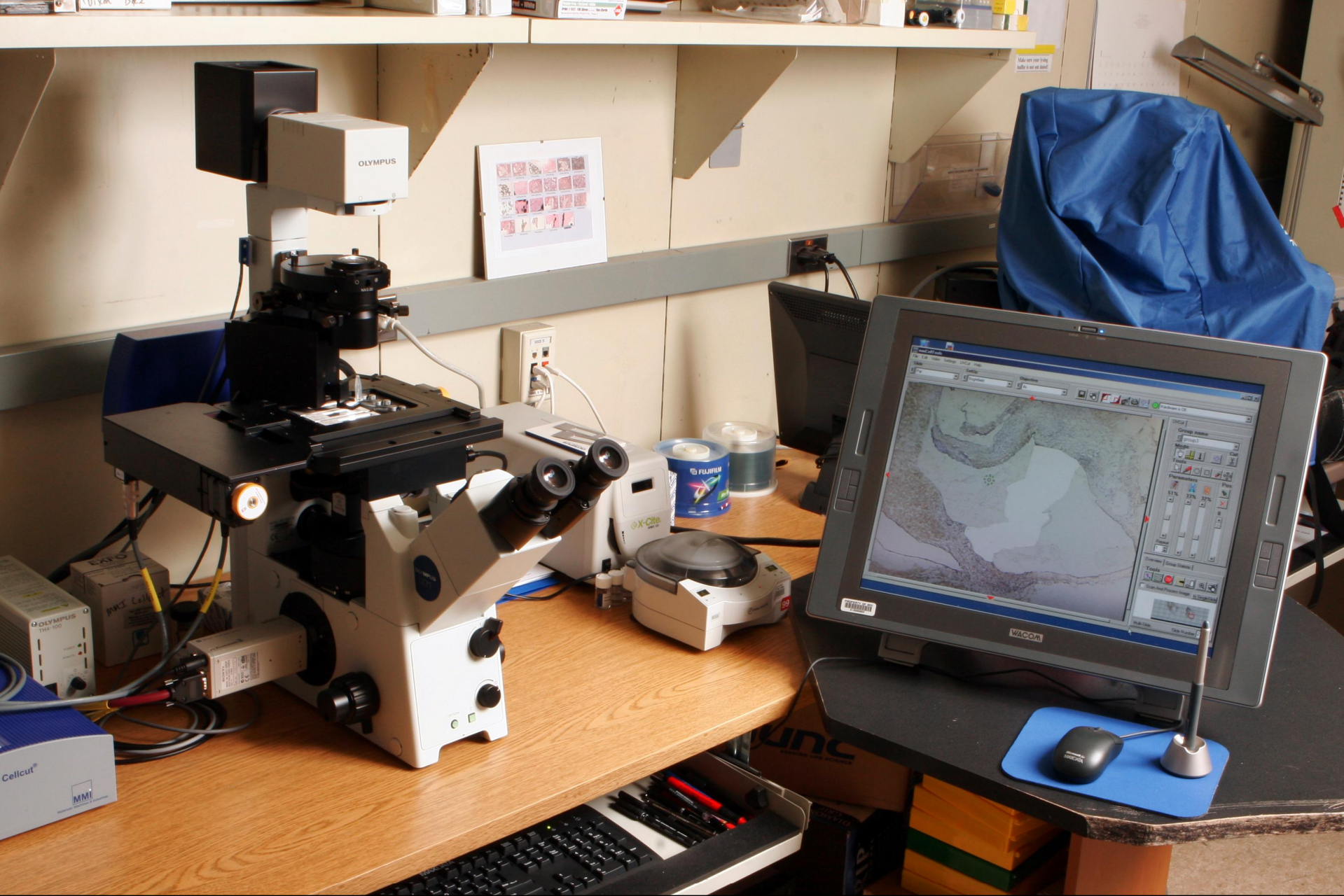
Actual laser cutting can be seen on the monitor.



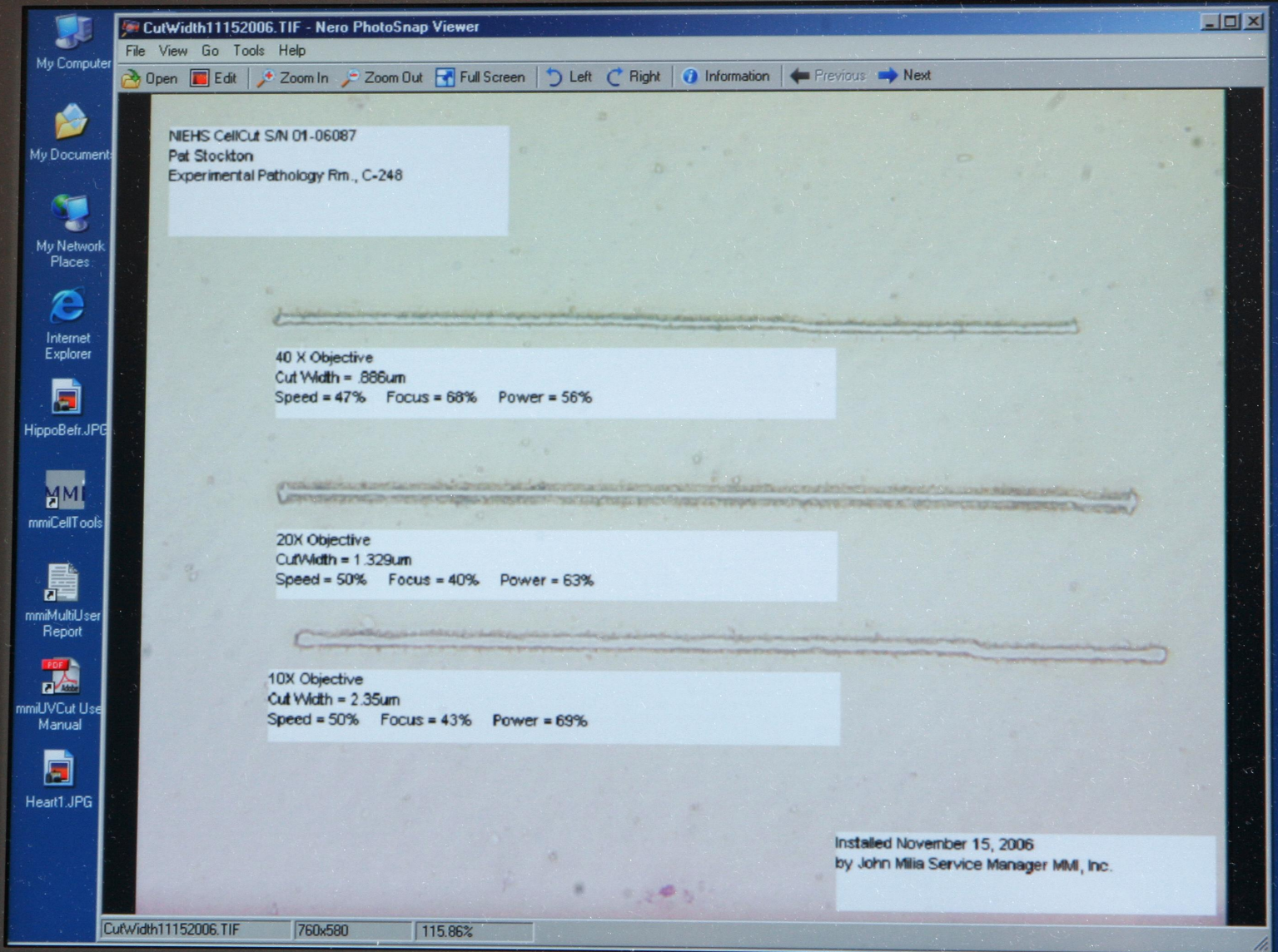
Tissue on slide after cutting is complete. Sample is dropped into tube cap for lysing.

MMI SERIES

MMI series describes the process of laser microdissection using the CellCut technology.



New instrumentation from Molecular Machines & Industries; CellCut® with touch monitor.



NIEHS CellCut S/N 01-06087
Pat Stockton
Experimental Pathology Rm., C-248

40 X Objective
Cut Width = 886um
Speed = 47% Focus = 68% Power = 56%

20X Objective
Cut Width = 1.329um
Speed = 50% Focus = 40% Power = 63%

10X Objective
Cut Width = 2.35um
Speed = 50% Focus = 43% Power = 69%

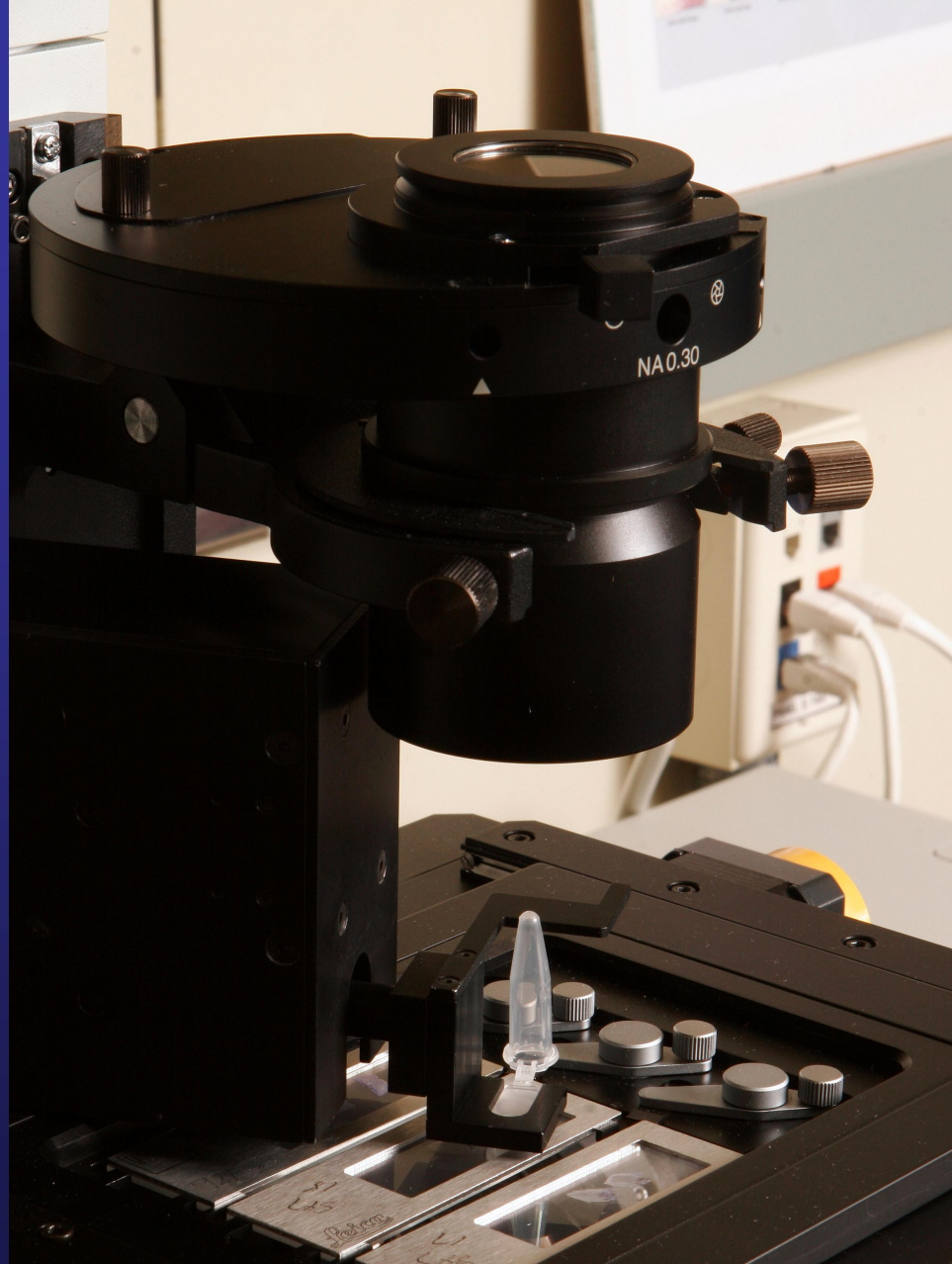
Installed November 15, 2006
by John Milia Service Manager MMI, Inc.

CutWidth11152006.TIF 760x580 115.86%

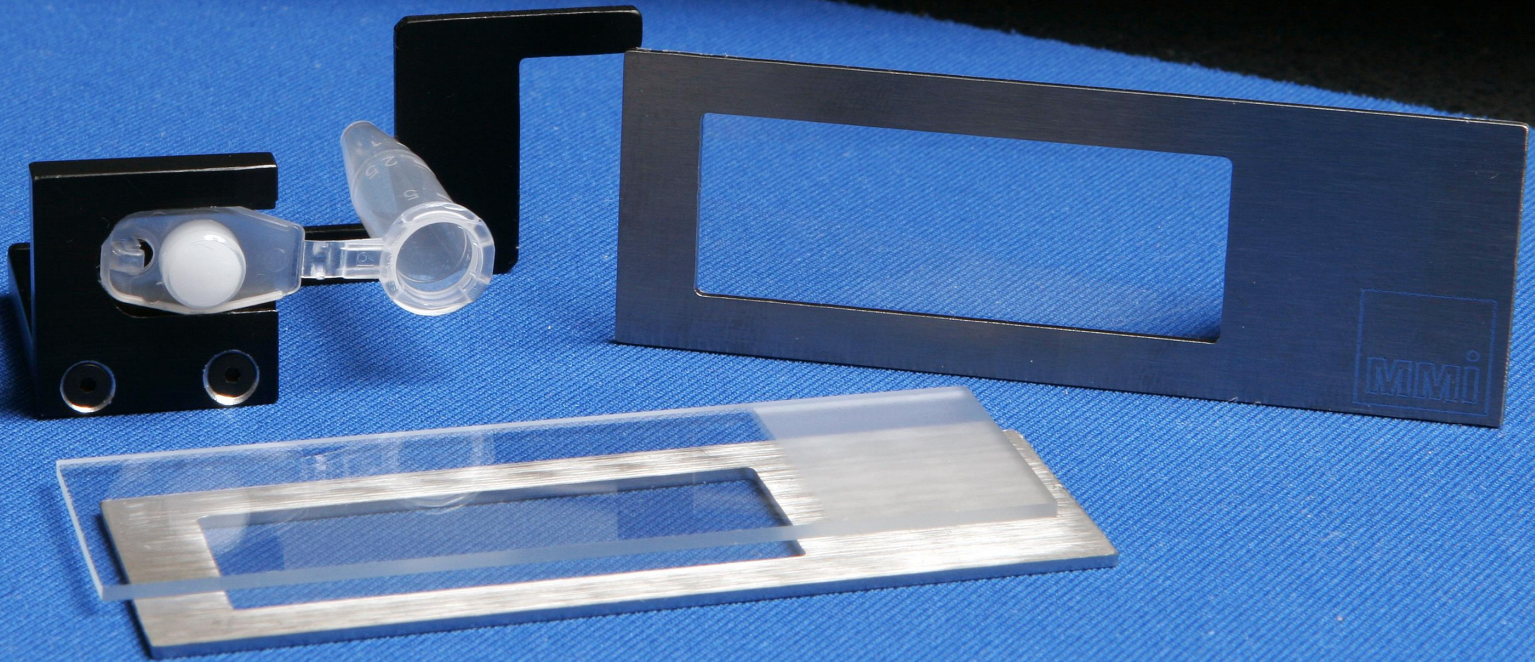
PROPERTY OF NIH
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WACOM

UV laser may be focused to cut below 1 micron for very focused sample isolation.

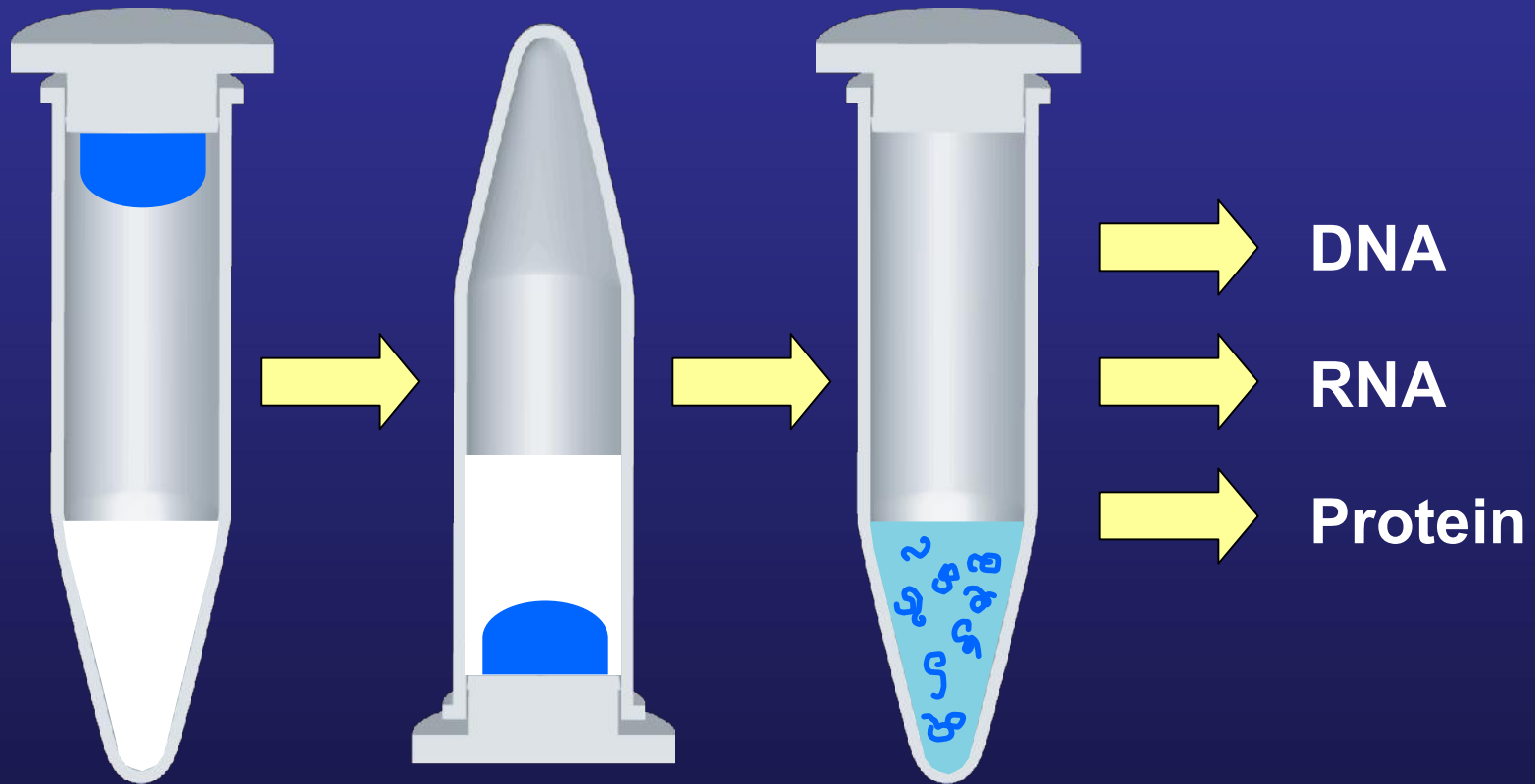


Cut samples are extracted by cap touch isolation.



Sterile consumables ensure molecular integrity.

3 Steps to Lyse Material in Preparation for Molecular Analysis



Tissue on slide after cutting is complete. Sample is dropped into tube cap for lysing.