



Expose only the
cell you want

WE PROVIDES THE FIRST LAB-ON-A-TIP TOOLS IN THE SINGLE CELL WORLD

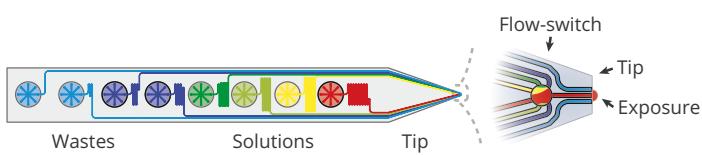
After decades with various Lab-on-a-chip solutions, it is time to introduce the next generation for advancing new scientific discoveries, Lab-on-a-tip™.

The multifunctional pipette™, MFP, system allows 4 different solutions to be delivered to individual live cells, without affecting adjacent cells, with sub-second solution exchange times. At several top research labs in USA as well as in Europe, the Lab-on-a-tip™ system has been applied to various cell lines, neurons, muscle fibers, and

brain slices, for the purpose of studying ion channels, enzymology, cellular energetics and membrane receptors. The MFP has also been applied to lipid bilayer printing as well as overprinting onto bio-polymers. Contact us today to learn more about how the new tool can assist you to reveal hidden realities.

PROVEN APPLICATIONS WITHIN

- ENZYMOLOGY
- ION CHANNEL
- PHARMACOLOGY
- TISSUE PHYSIOLOGY
- NEURONAL PROBING
- BIOPRINTING
- AND MORE...



- ✓ **NO CHANGES IN SAMPLE PREPARATION**
- ✓ **NO CLEANING**
- ✓ **NO GLASS OR TIP BREAKAGES**
- ✓ **THE SPIRIT OF THE PIPETTE IS SIMPLICITY**

TECHNICAL SPECIFICATION

PIPETTE TIP

Characteristic	Performance
Exposure	
Length	20-160 µm
Width	90-110 µm
# of solutions	4
Exchange time	<100 ms
Reservoir volume	35 µL

Characteristic	Performance
Flow rates	
Stimulation	5-25 nL/s
Stand-by	1-3 nL/s
Run time	
Stimulation	up to 3h
Stand-by	up to 9h

CONTROL UNIT

Characteristic	Performance
Pressure range	0...500 mbar
Vacuum range	-350...0 mbar
Interface	USB 2.0
Power	100-220V
Operating system	Windows XP/Vista/7 and 8

PIPETTE HOLDER

- Quick clamping of tip
- Individual pneumatic connections
- Compatible with common manipulators

SOFTWARE

- Basic operation
- Macros for complex protocols
- Libraries for .NET and LabView
- Touch screen optimized **New**



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