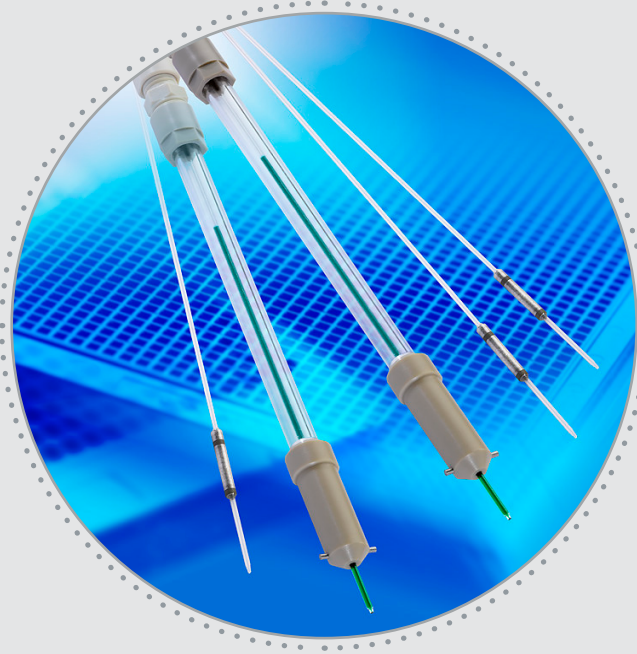


AD-K-901

AUTOPIPETETTE

to use with Microdrop Dispensing System or Positioning Systems



ADVANTAGES

- Non-Contact dispensing
- Fast liquid change
- Single droplet volume ~ 50 μ l up to ~ 380 μ l*
dispensed with standard pulse, can be reduced by using pulse modulation mode
- Very small storage volume of 37 μ l
- Very small dead volume of 14 μ l
- Highest compatibility due to the use of borosilicate glass
- Extra-long formed nozzle for deep dipping into wells
- Parallelization into our system for up to 8x AD-K-901



PERFECT FOR APPLICATIONS LIKE

- protein/ cell/ DNA microarrays
- diagnostic biochips
- lab-on-a-chip
- biosensors
- lateral flow
- high throughput screening

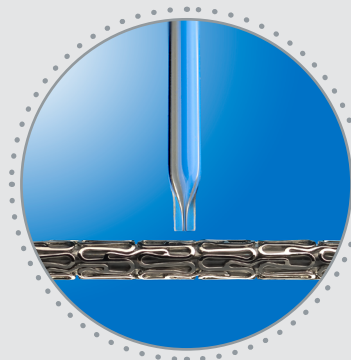
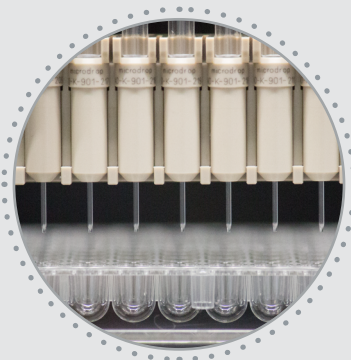


DISPENSABLE LIQUIDS

- Aqueous (protein) liquids
- Buffer solutions
- Nucleid Acids
- Cell suspensions

- Antibodies
- Reagents such as enzymes or dyes
- Solvents
- Media and nutrients

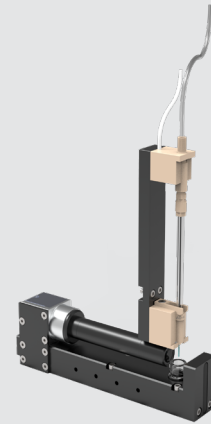
This is only a selection. Ask us to know whether the desired application liquid is dispensable. We also offer dispensing and application test.



AUTOPIPETTE AD-K-901

SHORT FACTS

Liquid viscosity	0.4 - 20 mPas
Inner nozzle diameter	30 - 70 μm
Droplet diameter in flight	$\sim 45 - 90 \mu\text{m}^*$ dispensed with standard pulse, can be reduced up to 50% by using pulse modulation mode
Single droplet volume	$\sim 20 - 380 \text{ pl}^*$ dispensed with standard pulse, can be reduced up to 50% by using pulse modulation mode



* depending on the liquid

DISPENSING SYSTEMS TO DRIVE AUTOPIPETTE AD-K-901

FOR INTEGRATION: MICRODROP DISPENSING SYSTEM MD-E-4000 /5000

Versions	to drive 1x, 2x or 4x Autopipettes - including pulse modulation mode
Dimension	w: 200 mm / h: 134 mm / d: 275 mm
Weight	$\sim 0.5 \text{ kg}$ (MD-E-4000); $\sim 3 \text{ kg}$ (MD-E-5000)



MD-E-4000



MD-E-5000

FOR COMPLEX PRINTING APPLICATION: AUTODROP GANTRY II FAMILY

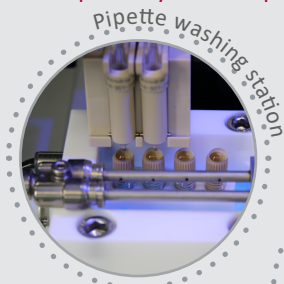
Versions	to drive up to 8x Autopipettes - wide selection of add-ons - high adaptability due to modular design
Travel range (standard)	x-axis 300 mm, y-axis 300 mm, z-axis 100 mm
Positioning accuracy	$\pm 25 \mu\text{m}$ each axis
Repetition accuracy	$\pm 10 \mu\text{m}$ each axis
Velocity	maximum 100 mm/s ²
Acceleration	maximum 1000 mm/s

All control electronics are operated via the user interface of the included Autodrop Software.

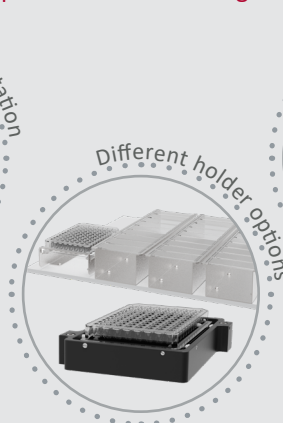


AD-P-9280

Scale up the system to perfection with a huge range of add-ons.



Pipette washing station



Different holder options



Environmental control

We are here for you. Contact us.

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