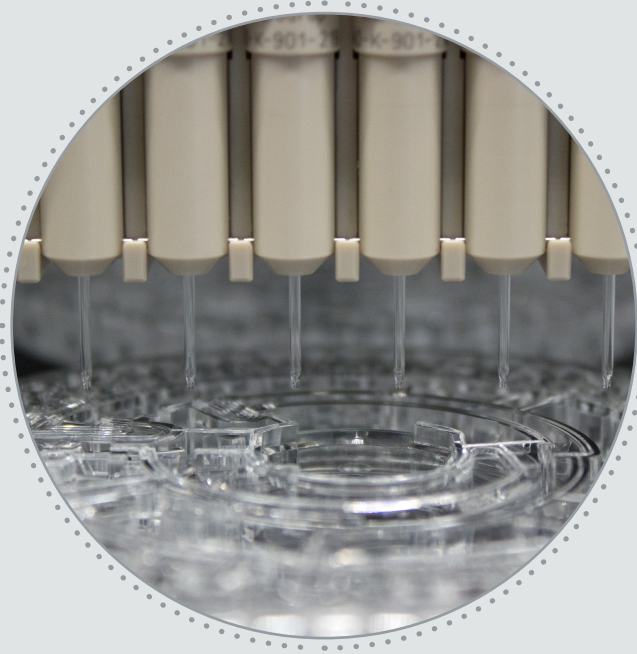


AD-K

AUTOPIPETTES

to use with Microdrop Dispensing or Positioning Systems



ADVANTAGES

- non-contact dispensing
- fast liquid exchange with easy and efficient cleaning in the pipette washing station
- single droplet volume ~22 μ l up to ~380 μ l*
- storage volume 25 μ l, 37 μ l or 1 ml
- very small dead volume from 12 μ l to 20 μ l
- highest compatibility achieved through the use of chemically inert borosilicate glass
- extra-long nozzle for precise aspiration and dispensing into deep well



PERFECT FOR APPLICATIONS LIKE

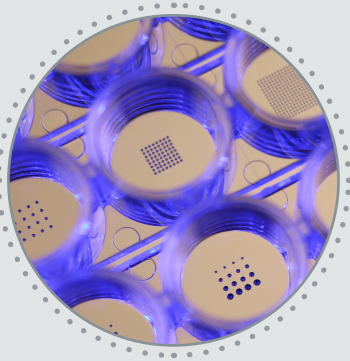
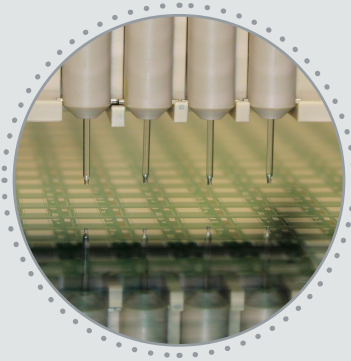
- protein/ cell/ DNA microarrays
- diagnostic biochips
- microfluidics
- biosensors
- lateral flow
- high throughput screening



DISPENSABLE LIQUIDS

- | | | |
|--------------------------------|--------------------------------------|----------------------|
| • watery-like liquids | • proteins, e.g. antibodies, enzymes | • selected hydrogels |
| • buffer solutions | • reagents, e.g. substrates, dyes | • ethylene glycol |
| • nucleid acids, e.g. DNA, RNA | • solvents | • oils |
| • cell suspensions | • media and nutrients | • DMSO |

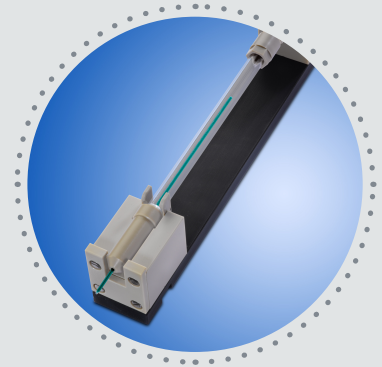
This is only a selection. Ask us to know whether the desired application liquid is dispensable. We also offer dispensing and application test.



AUTOPIPETTES AD-K

SHORT FACTS

AD-K-901*	
Liquid viscosity	< 50 mPas
Inner nozzle diameter	30 µm, 50 µm, 70 µm, 100 µm
Droplet diameter in flight	~35 - 90 µm
Single droplet volume	~22 - 380 pl
Storage volume	~37 µl
Dead volume	~14 µl
Materials in contact with fluid	Glass



AD-K-902*	
Liquid viscosity	< 50 mPas
Inner nozzle diameter	30 µm, 50 µm, 70 µm, 100 µm
Droplet diameter in flight	~35 - 90 µm
Single droplet volume	~22 - 380 pl
Storage volume	~1 ml
Dead volume	~20 µl
Materials in contact with fluid	Glass (PTFE)



AD-KH-501*	
Liquid viscosity	< 10 mPas
Inner nozzle diameter	30 µm, 50 µm, 70 µm
Droplet diameter in flight	~35 - 85 µm
Single droplet volume	~22 - 320 pl
Storage volume	~25 µl
Dead volume	~12 µl
Materials in contact with fluid	Glass



* depending on the liquid

09/2025 - subject to change without notice

We are here for you. Contact us.

microdrop Technologies GmbH
Tycho-Brahe-Kehre 1
22844 Norderstedt
Germany

Tel. +49 40 | 535383-0
Fax +49 40 | 535383-24
info@microdrop.de
www.microdrop.de

