

# Liquid Handling Station

Pipetting Robot with Laminar FlowBox

*flow*

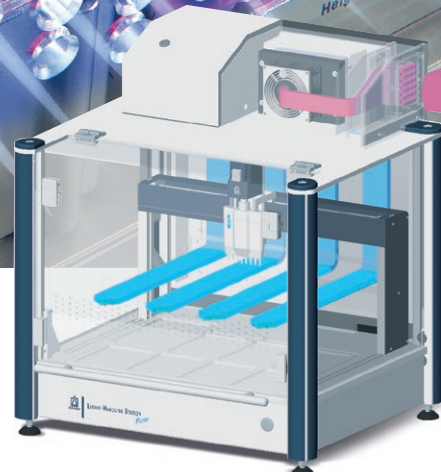
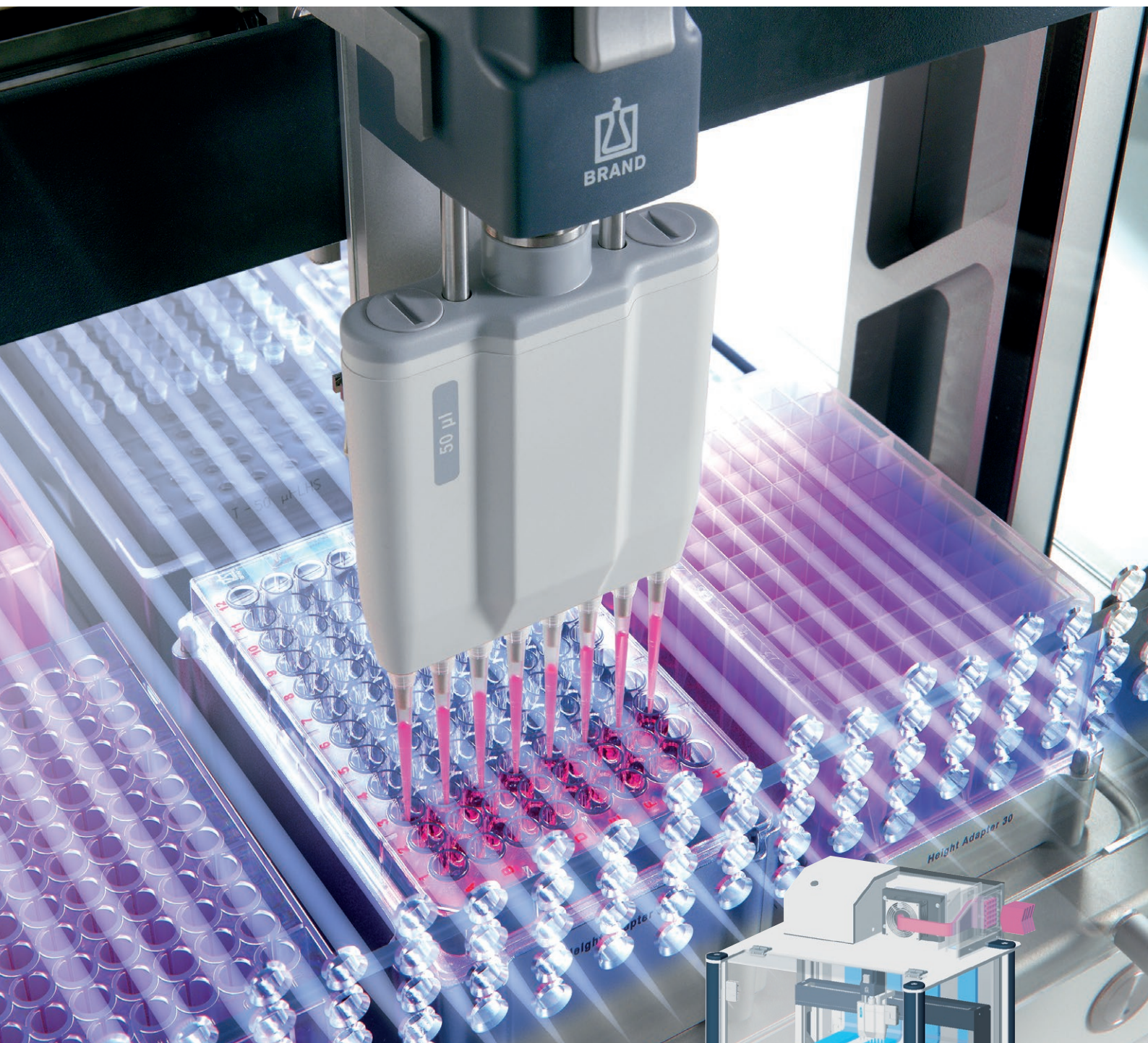


BRAND

The benchtop clean-room for your samples.

Laminar air flow protects samples in your work area against particles and microorganisms.

Meets requirements of ISO 14 644-1 (Class 5) and GMP Annex 1 (Class A).



**BRAND. For lab. For life.**

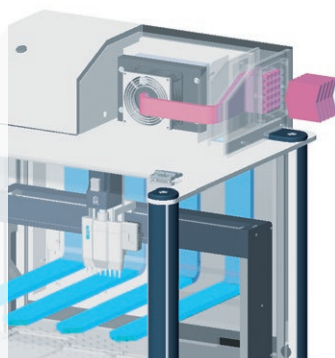
# Liquid Handling Station

The Liquid Handling Station flow is BRAND®'s pipetting robot for applications where samples must be protected from particles and microorganisms. Its brand new FlowBox directs the filtered air flow in laminar, horizontal layers across the consumables, such as plates<sup>1)</sup>. With the door closed, the air volume inside the cabinet is replaced 260 times per hour, and exits through openings in the front door.



## Maximize product protection

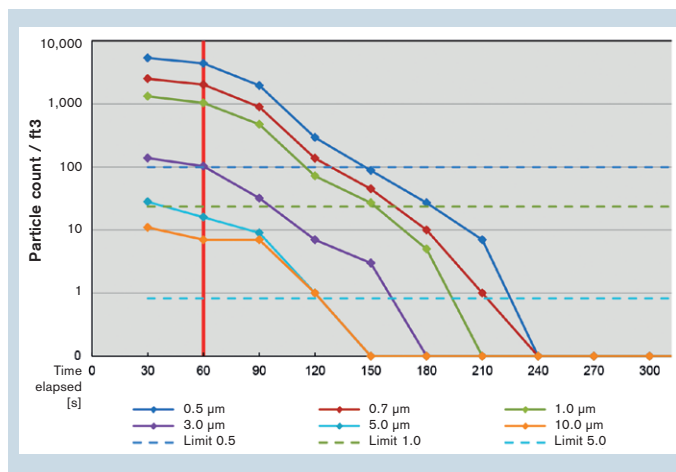
A microprocessor-controlled horizontal, laminar air flow safely covers the entire working area. The air drawn in from the environment passes through an H14 HEPA filter (99.995% efficiency). The filtered air is then directed across the working area in a laminar flow pattern.



Key applications include pipetting of liquids<sup>3)</sup> in a particle and microorganism-free environment, such as PCR, qPCR, sample preparation, packaging of media and buffers, microbiological analyses in the presence of non-pathogenic microorganisms in food analytics QA applications, etc.

## Particle-free conditions in a matter of minutes

Four minutes after switching on the FlowBox, no particles<sup>2)</sup> are detectable inside.



	Door closed	Door open
<b>Noise level</b>	60 dBA	67 dBA
<b>Speed of air</b>	0.4 m/s	0.5 m/s
<b>Volumetric flow</b>	22 m <sup>3</sup> /h	29 m <sup>3</sup> /h
<b>Air exchange</b>	260 times	330 times
<b>Filter</b>	HEPA 14 acc. to DIN EN 1822	



## Liquid Handling Station flow

Included: FlowBox filtration unit, motor control unit, control software, USB cable, power cable, and operating manual. On-site training for putting into operation.

Cat. No. 7094 02

<sup>1)</sup> Patent pending

<sup>2)</sup> Particle sizes: 0.5 µm, 0.7 µm, 1 µm, 3 µm and 5 µm  
Detection method: LIGHTHOUSE Handheld 5016 laser-type airborne particle counter, sample volume: 0.1 cf/min (2.83 l/min)

<sup>3)</sup> Operation with FlowBox function not suitable for samples harboring a health risk when spread by the laminar air flow (e.g. Risk Group 2 (RG2) and higher biological substances).

BRAND®, BRAND. For lab. For life.® and the BRAND word and figurative mark are registered trademarks of BRAND GMBH + CO KG, Germany.

Our technical literature is intended to inform and advise our customers. However, the validity of general empirical values, and of results obtained under test conditions, for specific applications depends on many factors beyond our control. Please appreciate, therefore, that no claims can be derived from our advice. The user is responsible for checking the appropriateness of the product for any particular application.

California Residents: For more information concerning California Proposition 65, please go to [www.brand.de/calprop65](http://www.brand.de/calprop65)

Subject to technical modification without notice. Errors excepted.

BRAND GMBH + CO KG · P.O. Box 1155 · 97861 Wertheim · Germany

Tel.: +49 9342 808-0 · Fax: +49 9342 808-98000 · E-Mail: [info@brand.de](mailto:info@brand.de) · Internet: [www.brand.de](http://www.brand.de)

**BRAND. For lab. For life.**



**BRAND**

