

# Fluent Liquid Handler



## About

The Fluent Liquid Handler is a state-of-the-art automated liquid handler designed to streamline workflows, optimize assay precision, ensure consistency, and free staff up for more valuable tasks. It has exceptional liquid level detection and dead volume reduction to conserve samples and reagents, as well as fantastic low-volume pipetting. The customizable modular system known as the Patented Dynamic Deck™ is equipped with a **Q-Instrument BioShake**, **Tecan Hydrospeed**, **Tecan Tevacs**, and **GFPickolo Colony Picker**. It is controlled with **FluentControl**, a user-friendly software with a drag-and-drop interface to create programs that are executed at a push of a button. There is real-time monitoring to see progress, as well as error-notifications.

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## Instruments on the Deck

### Q-Instrument BioShake



#### About

The BioShake Q1 is the ideal and most effective thermoshaker for 48/96/384 well microplates. It has fully adjustable temperature and mixing between -20°C and 99.9°C and from 200 rpm to 3,000 rpm respectively. The temperature accuracy is better than  $\pm 0.2^\circ\text{C}$  with surface uniformity better than  $\pm 1.0^\circ\text{C}$ . It has a patented locking mechanism ensuring safe and effective mixing even at the highest frequencies.

#### User Notes

- When programming the BioShake using FluentControl ensure to clamp the plate before shaking and unclamp the plate after shaking
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### Tecan HydroSpeed



#### About

The HydroSpeed™ plate washer is designed for fast, parallel washing of 96 well plates. This avoids time delays between different wells for uniform results. The settings are adjustable including the wash head positions, speed settings, and vacuum level. It is especially useful for cell washing, bead assays, and ELISA assays.

## User Notes

**Before use:** make sure to check that the waste is empty

**After use:** make sure to empty waste by:

1. Removing the waste bin on the low shelf of the table from the tubing
2. Bleach the contents of the bin
3. Dispose of bleached contents as appropriate for the respective contents
4. Rinse the waste bin
5. Put the waste bin back on the shelf and reattach to the tubing

## Tecan Te-vacs

Fluent, Q instrument Bioshake, Tecan Hydrospeed, Tecan Tevacs, and GFPickolo Colony Picker.

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## Referece Documentation

### Fluent

fluentoperatingmanual.pdf

fluentreferencemanual.pdf

fluentliquidhandler-guide.pdf

### BioShake

bioshakeoperatingmanual.pdf

bioshakeproductsheet.pdf

### HydroSpeed

tecanhydrospeed\_user\_manual.pdf

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