

RapidWash™ MicroPlate Washer

A High-Speed, Compact Washer for Standard and Deep Well microplates

The RapidWash™ high-speed washer for 96-well and 384-well microplates offers high throughput washing for ELISAs, cellular assays, and other processes requiring washing and aspirating. It is the smallest (9.25"W x 15"D footprint) automated plate washer on the market. It fits comfortably in all robotic workcells, or even on already cramped lab benches. Not to be compared with strip washers, the RapidWash is perfect for labs that need automated high throughput.

Use the Rapidwash as a stand alone unit or integrate it into Hudson designed workstations. A software API is available for integration into other schedulers or automation platforms. Combine the RapidWash with an automated pipettor, reagent dispenser, robotic arm and microplate stacks for hours of hands off processing. Applications include:

- ELISA (Enzyme-Linked ImmunoSorbent Assay) – FIA (Fluorescent Immuno Assays)
- LIA (Luminescent Immuno Assay – Cytotoxicity assays – Agglutination assays)

RapidWash™ Ultra-Compact, High-Throughput Plate Washer

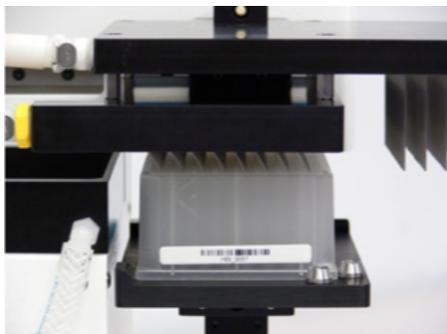
The RapidWash offers performance that serious researchers with demanding needs will value:

- High speed: less than 9 sec. 96-well fill/aspirate
- Low residual volume: <2uL per well
- Programmable nozzle insertion/exit rates
- Programmable dispense/aspiration depths
- Programmable Touch Screen controller
- High dispense precision: 2% CV@ 100uL per well
- Up to 2 wash buffer sources, programmable
- Low, Standard and Deep-well plates; 96- 384-well
- Easy software integration with other instruments
- Open API for integration using 3rd party software



RapidWash Plate Washer

RapidWash™ Microplate Washer



The RapidWash Handles
Deep-Well Plates...



...and Standard Plates

The RapidWash™ in a Compact, ELISA Workstation with the SOLO automated pipettor and Micro10X reagent dispenser



The RapidWash forms one of the core elements in a very simple, low-cost yet powerful compact ELISA workstation, pictured above. Joining the RapidWash in this compact workcell is Hudson's Micro10x reagent dispenser and SOLO robotic pipettor.

The RapidWash easily integrates with Hudson's PlateCrane EX robot arm and LabLinX track system.

Specifications

Dispense Volumes	5µL and up - below 2% CV; 2-5µL - below 5% CV
Electrical	115/220 VAC, 2 Amps
Dispense Pressure	9 to 15 PSI
Configuration	Available in 192-nozzle and 96-nozzle dispense/wash heads
Air Supply	40 – 80psi; 1 SCFM
Vacuum	-25 in. Hg (minimum); 1.2 SCFM
Size (H x W x D)	12.3" x 11.1" x 15.0"

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