

QUADRA Wash²

384 or 96 well Plate Washer



Interchangeable Wash Heads

384-well simultaneous

96-well simultaneous

Removable for cleaning



Dimensions

Length: 16 inches

Depth: 18 inches

Height: 21 inches

Automated Wash and Waste Collection

Adjustable wash flow rates

10-Liter buffer bottle

Autotrap waste collection

Fully Programmable

Stand alone—no PC required

Multiple combinations of wash, soak,

and aspirate—all recalled from memory

Bi-directional stacker cassettes

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Functional Description

The Quadra-Wash 2 is designed to perform the plate washing function in coated well assays. Interchangeable heads in the 384 well or 96 well format expand the operational utility. Both heads use a concentric wash/aspirate needle design (pat. pend). Should salt or viscous liquid impede any flow passage in the heads, simply drop the whole head in an ultrasonic bath. The polypropylene and stainless steel head materials are impervious to even harsh cleaning agents.

Fully Programmable

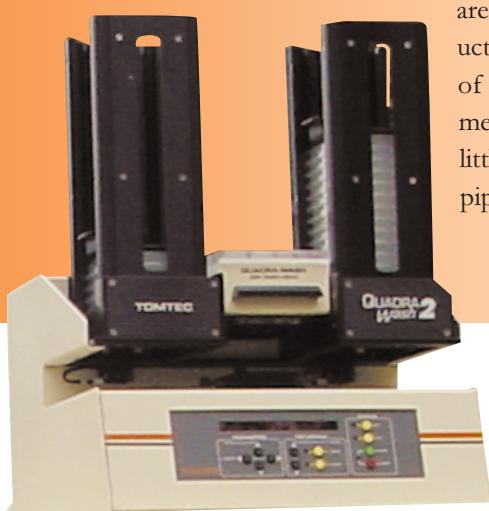
The programming is simple and totally flexible. Multiple combinations of wash, soak, and aspirate may be set and recalled from memory in a stand alone mode. No external



PC is required. The wash flow rate is adjustable from a gentle filling to a rapid cycling. Adjustable plate stops determine the relationship of the aspirate needles to the bottom of the well. A wiggle can be programmed to move the aspirate needles across the bottom of the well during aspiration, to effectively clear the well bottom. For cell based assay applications, the aspirate needle may be offset to the side of the well. This is to minimize the removal of cells from the center or reading an area of the well. The aspirate may also be reduced on cell based applications. A volume check function provides a simple quality control feature. Everything you need is in this state of the art plate washer—and it processes plates automatically.

Bi-Directional Cassette Stackers

Microplates meeting the SBS standard are automatically processed from the infeed stacker, to the wash head, to the outfeed stacker. The cassettes are universal to all new Tomtec products. This provides a simple transfer of 25 plates at a time between instruments. Wash and stack 25 plates in as little as 15 minutes, then back to the pipettor for the next reagent.



Utilities Required

- Single Phase AC Power
- Compressed Air (between 45 and 100psi)
- Vacuum Source

Ordering Information

- Quadra-Wash 2 *with 96 well head*
includes wash bottle and Autotrap
(1/60/115)
Cat. No. 396-320
- Quadra-Wash 2 *with 96 well head*
includes wash bottle and Autotrap
(1/50/230)
Cat. No. 396-320E
- Additional 96 well Head Assembly
Cat. No. 396-96
- Optional 384 well Head Assembly
Cat. No. 396-384
- Additional Cassette Stacker
Cat. No. 396-400

Automated Wash and Waste Collection

A float controlled 10-Liter wash buffer is pressurized with low air pressure (2-5psi) to control wash flow rate. The effluent from the wells is aspirated to, and retained in, an Autotrap. The Autotrap has a high level float that prevents overflows. The Autotrap is emptied at the flip of a switch.

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