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Detailed Technical Specifications for Touch Microplate Washer and Plate Shaker:

Microplate Shaker	
Microplate types	96- and 384-well Low profile and standard height Solid and filter bottom (option)
Onboard software	Create, edit or run multiple protocols
Software (computer control)	LHC2 pc software LHC2 Secure for 21 CFR Part 11 compliance SiLA Compliant driver
Bead based assay support	Biomagnetic separation, vacuum filtration
Shaking & soaking	Programmable up to 60 minutes
Maintenance & safety	Ultrasonic Advantage™ Verify™ clog detection Waste level detection Fluid flow detection
Automation	8 and 3rd party automation compatible
Microplate washer	
Manifold types	Manifolds available for 96- and 384-well washing, 384-well only and 96-well only washing
Volume range	25-3,000 µL/well (192-pin manifold) 50-3,000 µL/well (96-pin manifold)
Buffer/reagent selection	Auto switching (internal) for up to 4 buffers (option)
Supply bottle	4 L - 4 Bottles
Waste bottles	4L, 10L and 20L waste bottles available. Direct drain option available.
Dispense precision	<3% CV: 300 µL/well (96-well washing) <4% CV: 80 µL/well (384-well washing)
Residual volume	≤ 2 µL/well (96- & 384-well plates, using 96-tube manifold for 96 wells @300 µL; 192-tube for 384 wells@100 µL)
Wash speed	96-wells, 300 µL/well, 3 cycles; <30 seconds 384-wells, 100 µL/well, 3 cycles: <80 seconds
Flow rates	Adjustable rates, high flow to low flow Optimized rates for cell assays
Sterilization	Chemical
Vacuum filtration	Selectable, range from -38 mmHg to -506 mmHg Vacuum filtration time range: 5 to 999 seconds