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RapidPlate 96/384 Workstation

The Caliper Life Sciences RapidPlate workstation is a six-position liquid handler that is compatible with both 96 and 384 well microplates. The RapidPlate utilizes a 96-channel disposable tip head for dispensing to the six-position deck. The RapidPlate Workstation has two active locators, which index the plate on the x- and y-axis to access all quadrants of 384 well consumables.



The RapidPlate can operate as a stand-alone device or together with the Caliper Life Sciences Twister® II plate handler by using iLink™ or CLARA™ integration and scheduling software. All Caliper Life Sciences products are iLink and CLARA compatible, allowing for easy scalability.

Key Applications

- ◆ Compound Plate Replication
- ◆ Compound Distribution
- ◆ Compound Consolidation
- ◆ Assay Plate Preparation
- ◆ Reagent Addition
- ◆ Plate Dilutions

Benefits

- ◆ Maximizes flexibility by integrating into automated system.
- ◆ Eliminates contamination with software that tracks well & reservoir volumes.
- ◆ Saves on lab space with compact design.
- ◆ Assures pipetting performance by using 96 individual syringes and leak proof tip attachment.
- ◆ Maximizes safety with secure protector shield

On-Line Filling/Tip Washing

The On-Line Fill option controls a peristaltic pump and/or syringe which removes reagents from a reservoir on the RapidPlate deck. An overflow sensor is integral to the reservoir allowing automated filling and prevents overflows.

Multiaspirate Software

The RapidPlate software provides multi-aspirating capability. This feature allows the RapidPlate to aspirate liquids from multiple locations with air gaps and dispense to a single destination. The software also performs liquid level calculation and tracking based on a consumables database.



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Website: www.caliperLS.com

RapidPlate 96/384 Workstation

Specifications

Capacity: Six-position turntable

Speed: Replicates four 96-well plates in <70 seconds

Consumables: Both 100 μ L and 200 μ L disposable tips are available in non-sterile, sterile and barrier. The RapidPlate is compatible with both Rack and Nestable Caliper Life Sciences Certified disposable tips.

Volume Range: 1 - 200 μ L

CV: 1-10ul < 5%; 11-200 μ L < 2% (aqueous to aqueous transfers)

Electrical Requirements: 50/60 Hz; 120-240V, 10 amp

Computer: Caliper Life Sciences Optimized Controller

Operating System: Microsoft Windows 2000

Communication: RS-232 port

Ordering Information:

Part No	Description
72900	RapidPlate 96/384 Workstation
79019	On-Line Fill accessory with peristaltic pump
79020	On-Line Fill accessory with syringe pump
79021	On-Line Fill accessory with peristaltic and syringe pump
79016	Upgrade RS232 RapidPlate with On-Line Fill accessory with peristaltic pump
79017	Upgrade RS232 RapidPlate with On-Line Fill accessory with syringe pump
79018	Upgrade RS232 RapidPlate with On-Line Fill accessory with peristaltic and syringe pump
101030	Twister II Microplate Handler with iLink Software
66670	100 μ L Automation Certified Pipet Tips
56362	200 μ L Automation Certified Pipet Tips
78639	100 μ L Automation Certified Nested Pipet Tips for Twister II
78641	200 μ L Automation Certified Nested Pipet Tips for Twister II

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