

Thermo Scientific Versette Automated Liquid Handling Instrument

Sole Source Specifications

Overview

Thermo Scientific Versette is an easy to use automated liquid handling platform. Versette is compatible with 96- and 384- interchangeable pipetting heads with total volume range of 0.5 - 300 μ l.

A variety of labware types are compatible with Versette, including standard and low profile 96-, 384- microplates, deep well blocks and reservoirs, and racked storage tubes.

Versette comes standard with two intuitive programming interfaces that are provided free of charge to end users. The onboard graphical LCD user interface is touch panel controlled, which guides users through programming simple liquid handling tasks and procedures. Higher level software control for optimizing sequences is available through the PC based ControlMate software interface.



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- ❖ 3 interchangeable pipetting heads with total volume range 0.5-300 μ l using air displacement pipetting technology
- ❖ All pipetting heads include RFID tags to self identify during usage
- ❖ All interchangeable pipetting heads are able to access labware in 96- and 384- configurations in corresponding formats
- ❖ Pipetting heads are easily changed by the user without the use of any tools
- ❖ All heads are individually tested and provided with calibration certificates
- ❖ Published instrument specifications tested and guaranteed individually for each head.
- ❖ Non-sterile, sterile, and sterile-filtered D.A.R.T.s tips are available for all 96-ch and 384-ch pipetting heads with option to select different tip length or bore size
- ❖ Optimized for MSIA workflow
- ❖ MSIA D.A.R.T.s tips are available in Versette labware library for Immunoaffinity sample preparation
- ❖ Common labware consumables accessible in the Labware Library; custom labware can be created / added / modified in the Labware Library

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- ❖ Compact footprint with dual level deck structure providing 6 stage positions but allowing usage on the laboratory bench top and in select biological safety cabinets
- ❖ The system comes standard with touch panel graphical user interface (GUI) onboard and license free ControlMate software interface for PC control
- ❖ License free ControlMate software can be downloaded from website for multiple workstations as needed and as updates become available
- ❖ Intuitive ControlMate software; users can learn in minutes with minimal training without the need of a dedicated specialist
- ❖ Onboard and PC programming software interfaces are intuitive and easy to use for a range of end user experience levels
- ❖ ControlMate Global Values allows end users to have command variability (aspirate volume, iterations, etc.) without editing the procedure sequence of commands
- ❖ ControlMate software includes Edit and Run Lock features
- ❖ ControlMate sequence files can be easily emailed to service / support staff for quick and easy troubleshooting
- ❖ Versette calibration procedure incorporates verifying one stage position on lower deck
- ❖ Five pre-calibrated liquid classes with selected volume points are included in the onboard and ControlMate PC software interfaces to accommodate liquid transfer of various liquid types
 - Water, BSA, DMSO, Ethanol, Glycerol
- ❖ Additional liquid classes may be added to the PC software by the end user
- ❖ Variable X,Y and Z pipetting speeds allows consistent handling of liquids with various properties
- ❖ Versette accessory options include serial dilution magazines, tip wash station for 96- or 384- channel pipetting heads with disposable tips, and non-contact reservoir fill; pump module required for supplying fluid to a reservoir located on stage 1 and for tip wash station located on stage 2 on the instrument platform
- ❖ Versette tip wash stations allow dispense function into wash chimneys or between wash chimneys based on application requirements
- ❖ Serial dilution magazine design allows serial dilution for row-wise or column-wise applications using one magazine for both options
- ❖ ControlMate Platemap feature provides safety feature during serial dilution application by preventing head collision with labware placed onto adjacent stage positions that is too high
- ❖ Safety shields for 6-position configurations provide operator safety during instrument operation with immediate stopping of the instrument movement when opened
- ❖ Universal voltage input for simple set up regardless of voltage supply available
- ❖ After Sale: Applications Support Specialist provides free phone and WebEx support