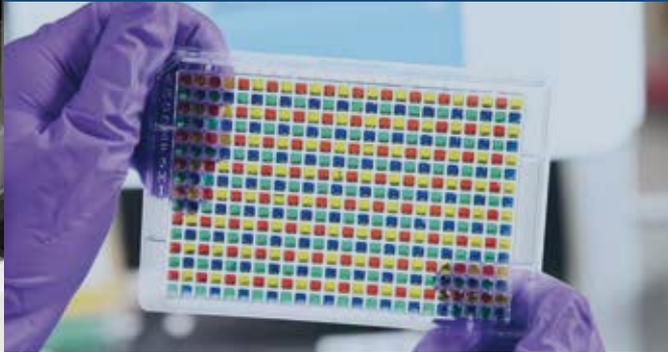


Thermo
SCIENTIFIC



Thermo Scientific
Versette



User-friendly liquid handling
in a compact format

Thermo Scientific™ Versette™ is a user-friendly liquid handler in a compact format. It is easy to get started with a liquid handling solution that offers a choice of 96- or 384-channel pipetting heads.

Interchangeable pipetting heads

The Versette automated liquid handler is compatible with 96- and 384-channel pipetting heads with a total volume range of 0.5 to 300 µl. All pipetting heads can be easily changed by the user without using any tools, while the process is safely guided step-by-step by Thermo Scientific™ ControlMate™ Software. All pipetting heads utilize RFID tags for self-identity.

Compact size

The six-position stage of Versette uses an innovative dual-level structure to minimize space requirements in the laboratory, thus allowing the instrument to be placed on a standard laboratory bench. Despite the compact size of the instrument the user can still choose between six different plate positions for a variety of 96- and 384-well plates, as well as racked storage tubes.



Optimized consumables

The 96- and 384-channel pipetting heads utilize disposable Thermo Scientific™ DARTs™ tips (Disposable Automation Research Tips), which feature a unique surface seal design to ensure an even seal across all pipetting channels. Combined with DARTs tips, Versette liquid handler guarantees accurate and precise pipetting results in all applications across the entire pipetting range. The wide selection of DARTs tips allows the user to select the optimal tip for each application regardless of whether it requires the extended, wide bore or sterile version.

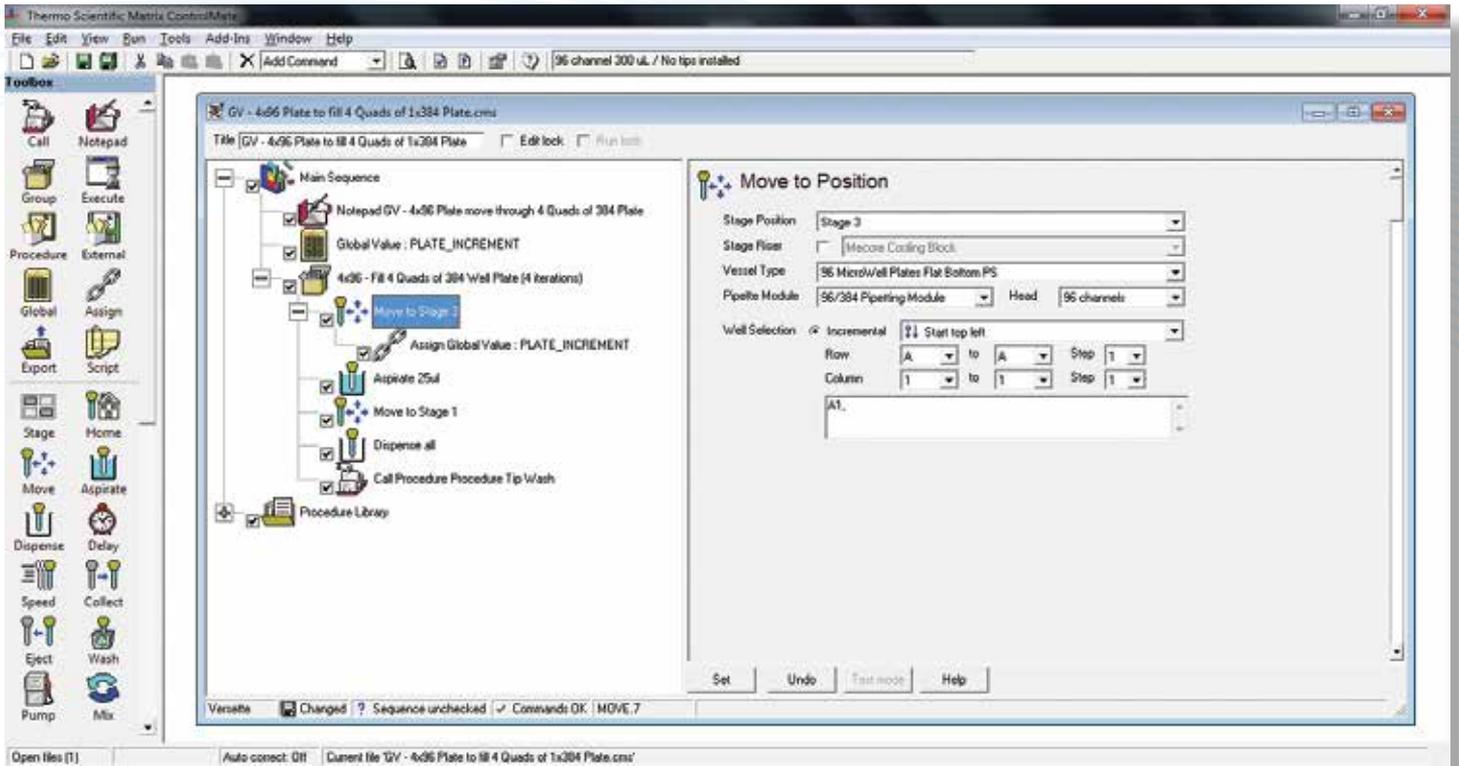
User-friendly programming options

The user can start programming the Versette using the visual icon-based on-board touchscreen, thus making operation simple and easy. This allows quick startup and is best suited for simple protocols. When more complex protocols and advanced editing is required, the Versette ControlMate PC software is available. This software provides a straightforward approach to creating and running pipetting programs. It includes a wide labware library and precise controlling options for various liquid handling applications.



Applications

- Plate filling
- Plate replication
- Plate reformatting
- Serial dilutions – rows or columns
- Sample preparation with Thermo Scientific™ Mass Spectrometric Immunoassay pipette tips (MSIA™)



Wide range of applications

The Versette is designed to perform a variety of liquid handling tasks for a wide range of applications including plate stamping, plate reformatting, serial dilution and many other applications in low- to high-throughput laboratories.

The instrument is also optimized for high-throughput immunoaffinity sample preparation with Mass Spectrometric Immunoassay (MSIA) pipette tips as part of the integrated MSIA workflow. The MSIA tips are compatible with the Versette where sample binding, wash and elution steps are automated to facilitate the cycling of samples and the appropriate buffers through the microcolumn embedded in the pipette tip. The complete walk-away immunoaffinity system provides increased sample throughput while providing high assay reproducibility.



Technical specifications

| | |
|------------------------|---|
| Volume range | 0.5–300 µl (depending on the pipetting head) |
| Pipetting resolution | Increments of 0.1 µl |
| Compatible labware | 96- and 384-well plates, racked storage tubes |
| Pipetting accuracy | 96-channel 0.5–30 µl ± 2.0% or 0.15 µl |
| | 96-channel 5–300 µl ± 2.0% or 1.00 µl |
| | 384-channel 1.0–100 µl ± 2.0% or 0.50 µl |
| Pipetting precision | 96-channel 0.5–30 µl ± 1.5% or 0.10 µl |
| | 96-channel 5–300 µl ± 1.5% or 0.75 µl |
| | 384-channel 1.0–100 µl ± 1.5% or 0.25 µl |
| Dimensions (H x W x D) | 680 x 680 x 559 mm (27 x 27 x 22 in.) |
| Weight | 69 kg (152 lbs.) (no pipetting head included) |
| Operating system | Windows XP SP3, Windows 7 (32- and 64-bit) |
| Interface | RS232 |
| Power requirements | 100–240 V, 50/60 Hz |

Consumables

| Pipetting head | Compatible DARTs Tip | Description |
|------------------------|---|-----------------------------------|
| 96-channel 0.5–30 µl | 14-387-580 (non-sterile) / 14-387-581 (sterile) / 14-387-582 (sterile filtered) | 30 µl |
| | 14-387-675 (non-sterile) / 14-387-676 (sterile) / 14-387-683 (sterile filtered) | 30 µl extended length |
| 96-channel 5–300 µl | 14-387-677 (non-sterile) / 14-387-678 (sterile) / 14-387-694 (sterile filtered) | 300 µl |
| | 4-387-686 (non-sterile) / 14-387-687 (sterile) / 14-387-696 (sterile filtered) | 300 µl extended length |
| | 14-387-684 (non-sterile) / 14-387-685 (sterile) / 14-387-695 (sterile filtered) | 300 µl extended length, wide bore |
| 384-channel 1.0–100 µl | 14-387-664 (non-sterile) / 14-387-665 (sterile) / 14-387-690 (sterile filtered) | 100 µl |

Ordering information

| Cat. No. | Description |
|---------------------------------|--|
| Versette | |
| 14-245-302 | Versette base unit |
| 14-245-304 | 96- and 384-channel pipetting module for use with 96- and 384-channel pipetting heads. |
| 14-245-307 | 6-position stage |
| Versette pipetting heads | |
| 14-245-500 | 96-channel air displacement pipetting head. Volume 0.5–30 µl |
| 14-245-314 | 96-channel air displacement pipetting head. Volume 5–300 µl |
| 14-245-501 | 384-channel air displacement pipetting head. Volume 1–100 µl |
| Versette accessories | |
| 14-245-506 | Pump module |
| 14-245-507 | 96-channel tip wash station, tall |
| 14-245-508 | 384-channel tip wash station, tall |
| 14-245-502 | Serial dilute magazine 96/30 µl (8 / 12), for use with short 30 µl tips |
| 14-245-503 | Serial dilute magazine 96/30 µl (8 / 12), for use with extended length 30 µl tips |
| 14-245-504 | Serial dilute magazine 96/300 µl (8 / 12) |
| 14-245-505 | Serial dilute magazine 384/30&100 µl (16 / 24) |

For more information please visit:
www.thermoscientific.com/versette
www.thermoscientific.com/controlmate

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