



VERSA™ Cap Piercing Workstation

Aurora's VERSA™ Cap Piercing workstation is an automated liquid handling workstation designed to perform closed tube sampling and automate sample transfer protocols. Cap piercing (CP), also referred to as closed-tube sampling (CTS), provides numerous user benefits, including improved worker safety, reduced stress, and enhanced test results.

The need for automation of sample preparation of biologically hazardous samples poses challenges for many robotic workstations. Aurora's VERSA Cap Piercing system has many benefits, including preserving sample integrity, increasing work-place safety and improving work-flow efficiency, particularly in high-volume labs.

Automating sample preparation on robotic platforms lacking CP abilities requires technicians to manually un-cap and re-cap tubes. This process involves cataloguing caps sequentially and then tracking in reverse to match a cap with a tube after processing. Manually de-capping and re-capping tubes may expose lab technologists to hazardous materials and may compromise test-results due to cross-contamination.

By automating sample preparation processes laboratories can minimize human error, increase sample turnaround time and prevent repetitive motion injuries arising from de-capping and re-capping sample containers.

Aurora's VERSA Cap Piercing workstation provides an automated mechanism for piercing capped source containers (including tubes and vials) and performing sample transfer into a variety of target containers.

FEATURES

- Single robotic arm with four (4) cap piercing channels, each attached to six (6) inch stainless steel cap piercing probes (enquire about other sizes)
- Sonicating wash station cleans inside and outside of each probe
- Waste containment bottle with monitor and alarm for handling hazardous waste
- Volume range: 10 µL- 2000 µL or higher
- 15 deck positions
- Supports capped tubes up to 10 x 130 mm using standard configuration (ask about custom sizes)
- Transferring 1000 µL has typical processing (cycle) time of 15 sec. Cycle includes piercing, aspiration, dispensing and probe washing
- Performs piercing and transfer from: Tube to tube, tube to deep well plate, tube to standard plate and tube to vial (ask about custom vials and holders)
- Compatible with organic and aqueous reagents
- Operated with user-friendly VERSAware software

APPLICATIONS

- Transfer samples from sealed primary sample tubes to both open and sealed receiving tubes, vials or microtitre plates.
- Aliquot hazardous & non hazardous samples for downstream analysis

BENEFITS

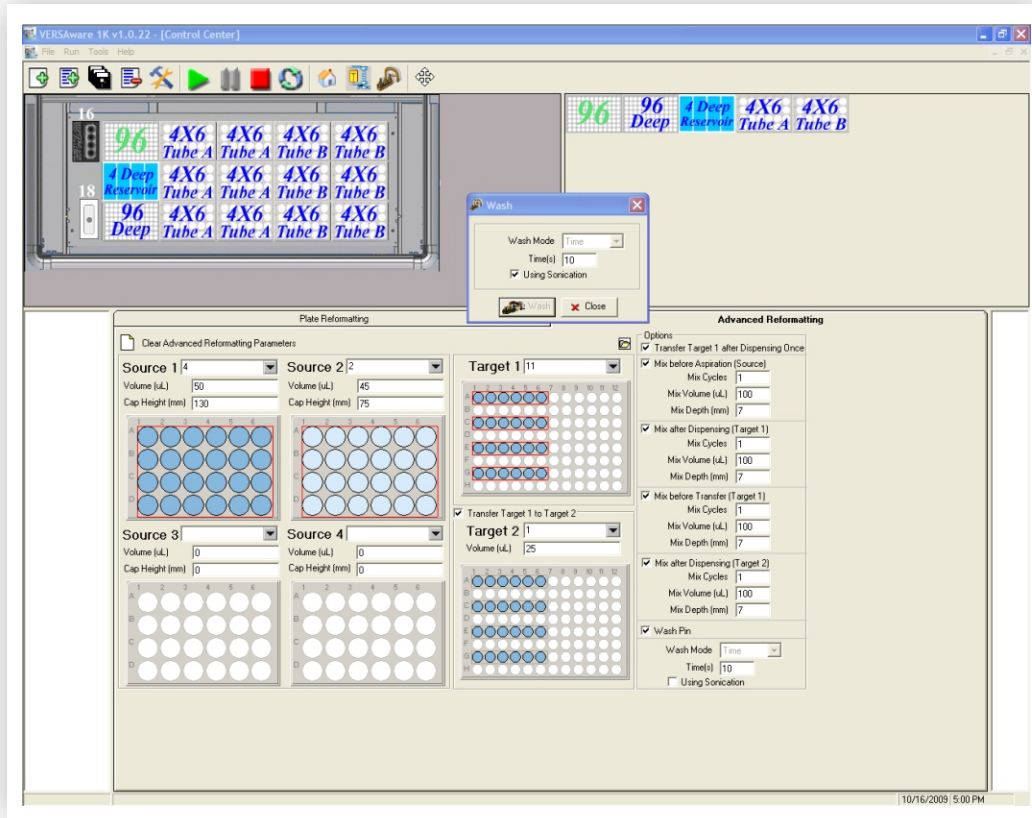
- Eliminates evaporation or spillage of samples
- Eliminating manual processes that put staff at risk of biohazard exposure and repetitive-motion injuries .
- Increases productivity and improves workflow
- Reduces labour and consumable costs and improves test results
- Can be integrated with upstream and downstream instruments

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SOFTWARE & DECK

Various tabs within the VERSAware software window enhance the underlying versatility of the workstation by allowing the user to perform diverse liquid handling functions. Customized methodologies are easy to create and load into the library of stored protocols using import and export functions within the software.



SPECIFICATIONS

VOLUME	10 µL to 1000 µL
DECK CAPACITY	<ul style="list-style-type: none"> • 15 Deck positions • Capacity for capped tubes up to 10 x 130 mm (enquire regarding custom fittings)
PIPETTING HEAD	Single robotic arm with 4 cap piercing channels
PIPETTE TIPS	None required
ACCESSORY OPTIONS	<ul style="list-style-type: none"> • Shaker(s) with or without cooler / heater • HEPA / UV / Fluorescent light enclosure • Other adaptors available - check with your local representative
THROUGHPUT	Cycle time to transfer 1000 µL is 10 seconds
SOFTWARE	Customized user-friendly VERSAware software featuring simple on-screen prompts and drop-down menus
COMPUTER SYSTEM	Desktop PC with LCD monitor and Windows operating software
DIMENSIONS	W 62 x L 93 x H 62 cm
WEIGHT	60 kg

NOTE: Instrument specifications may change without notice as an ongoing effort of product improvement.

For North American Sales:
 Aurora Biomed Inc.
 1001 East Pender Street Vancouver BC Canada V6A 1W2
 Phone: 1.800.883.2918; 604-215-8700 • Fax: 604-215-9700
 Email: info@aurorabiomed.com • website: www.aurorabiomed.com

For International Sales:
 Aurora Instruments Ltd.
 1001 East Pender Street Vancouver BC Canada V6A 1W2
 Phone: 604-215-8700 • Fax: 604-215-9700
 Email: info@aurora-instr.com • website: www.aurora-instr.com