



# VERSA 110 PCR Setup Workstation

The VERSA™ 110 PCR Setup Workstation is a small, automated liquid handling workstation designed to perform virtually every task related to setting up PCR reactions.

Whether processing a small batch or up to a thousand PCR reactions a day, this system automates each procedure with high precision, throughput and accuracy. This workstation conserves expensive reagents, eliminates concerns associated with volumetric variations caused by handling errors, and handles all repetitive pipetting protocols.

The VERSA 110 PCR Setup Workstation is extremely easy to use and is pre-configured to automatically prepare PCR master mixes, add DNA / RNA templates and load samples into reaction plates / capillary tube carousels. The VERSA 110 Workstation is compatible with both carousel and plate based thermocyclers, offering greater flexibility.

While this system is dedicated for applications revolving around PCR reaction setups, the underlying versatility of the workstation allows it to perform many generic liquid handling tasks such as serial dilution, cherry picking, plate reformatting and plate replication.

## FEATURES (PCR Setup)

- Throughput for setting up to 1,000 PCR reactions / day
- User-friendly software interface
- Target: 96- and 384-well plates, capillary tubes in carousel, Gene-Disc and 0.1 mL PCR strip tubes
- Source: diverse types of sample containers
- Liquid level sensing (optional)
- Barcode reader (optional)
- Open system, compatible with third party labware, kits and reagents

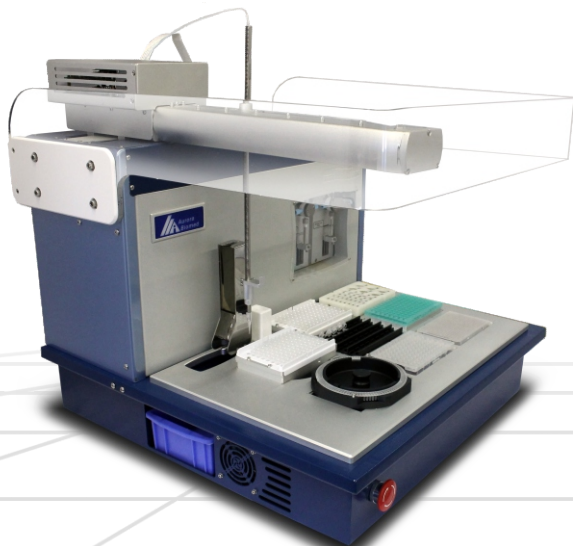
## FEATURES (General Liquid Handling)

- Integrated disposable tip changer and autoclavable tubes minimize cross-contamination errors
- Integrated time-controlled sample mixing and liquid handling
- Optional shaker and plate transporter
- Interchangeable deck positions
- Multi-dispensing
- Capable of dispensing 1  $\mu$ L to 1000  $\mu$ L
- HEPA / UV / Fluorescent light enclosure (optional)

## PCR Setup APPLICATIONS

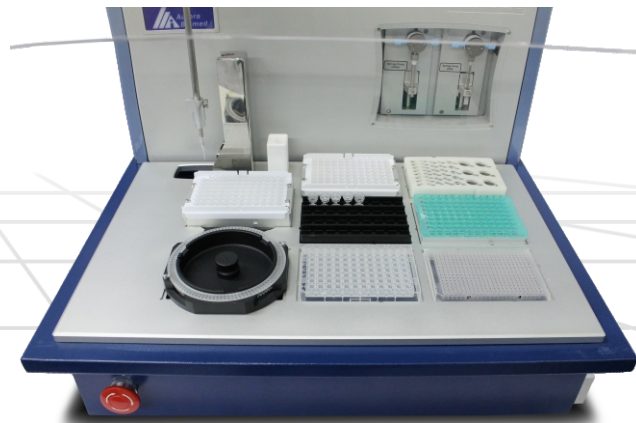
- Single and multiplex PCR reaction setup
- Real-time PCR reaction setup
- Sequencing reaction setup
- Ligase reaction setup
- End filling / nick translation setup
- Genomic library screening
- PCR clean-up
- Colony PCR screening
- Master-mix preparation
- Cherry picking and reagent pooling
- Serial and parallel dilution

Liquid Handling



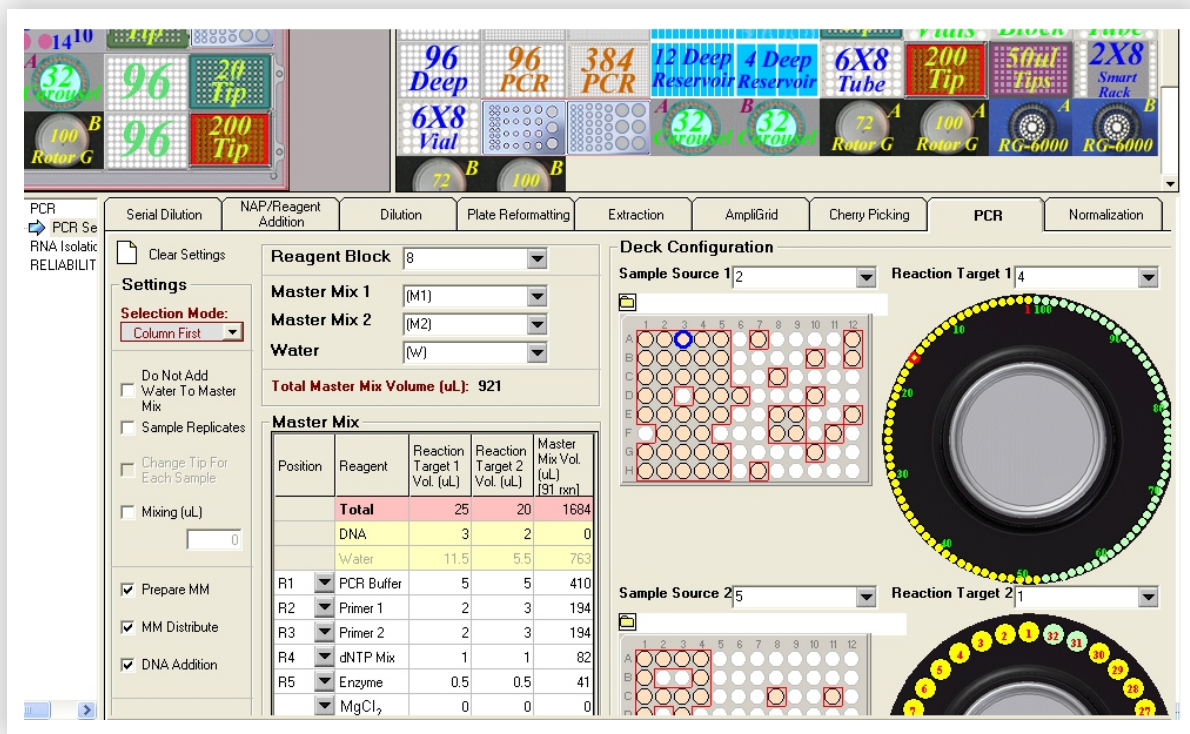
VERSA 110 PCR-Carousel Setup Workstation

VERSA 110 PCR-Carousel Setup Deck



## 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	1 µL to 1000 µL
PRECISION	CV value <5% at 2 µL
DECK CAPACITY	<ul style="list-style-type: none"> <li>Four microtitre plates (with adaptor to accommodate individual and / or 0.1 mL and up strip-tubes), adaptors available for carousel and Gene-Disc formats</li> <li>Reagent block (cooling / heating)</li> <li>6 x 7 mL tubes, 5 x 1.5 mL tapered tubes, 12 x 0.5 mL tapered tubes, 16 x 200 µL PCR tubes</li> <li>Three tip-box positions</li> </ul>
PIPETTE TIPS	20 µL, 50 µL, 200 µL and 1000 µL tips (96-well racked) + tip dispenser unit
PIPETTING HEAD	Single-channel dual SyringePipettor
ACCESSORY OPTIONS	<ul style="list-style-type: none"> <li>Shaker(s) with or without cooler / heater</li> <li>Plate cooler / heater</li> <li>HEPA / UV / Fluorescent light enclosure</li> <li>Carousel / Gene-Disc / 0.1 mL and up PCR strip-tubes</li> <li>Other adaptors available - check with your local representative</li> </ul>
THROUGHPUT	Approximately 30 minutes per 96-well PCR reaction setup. For two 96-well plates or two 384-well plates throughput is 60 minutes and 240 minutes respectively.
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 55 x L 55 x H 55 cm
WEIGHT	32 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