

VERSA 110 NAP/PCR Setup Workstation

The VERSA™ 110 NAP/PCR Setup Workstation is a compact, automated liquid handling workstation designed to perform nucleic acid preparations (NAP) and PCR setups with high precision, throughput and accuracy. This single-channel workstation is inherently appropriate for genomic protocols, as it accommodates workflows requiring labware with varied well spacing. In addition, single-channel systems provide a cost-effective means of ensuring highly accurate liquid handling over a wide range of volumes.

In addition to a single-channel SyringePipettor, the liquid handling head is also equipped with a 4-channel ReagentDrop module for bulk dispensing of reagents. The ReagentDrop reduces tip consumption while simultaneously decreasing sample processing time.

With built-in shaker modules, temperature control positions, and either a magnetic block or vacuum manifold, the VERSA 110 NAP/PCR Setup Workstation is ideal for researchers desiring increased throughput and consistent results.

FEATURES (Nucleic Acid Preparation)

- Four (4) channel ReagentDrop bulk dispenser
- Compatible with many commercially available kits
- Magnetic bead or vacuum manifold options
- Integrated disposable tip changer
- Powerful shaker for vortex mixing
- Plate cooler / heater for DNA / RNA incubations

FEATURES (PCR Setup)

- Capacity to set up 1200-1500 PCR reactions / day
- On-deck master mix preparation
- Plate cooler / heater for incubations
- Accommodates diverse labware including carousels

FEATURES (General Liquid Handling)

- Integrated time-controlled liquid handling
- Liquid-level sensing (optional)
- HEPA / UV / Fluorescent light enclosure (optional)

APPLICATIONS

Genomic:

- Nucleic acid extraction and isolation
- Single and multiplex PCR reaction setup
- Real-time PCR reaction setup / PCR clean-up
- Sequencing reaction setup
- Genomic library screening
- Oligo-based gene synthesis plate setup
- Colony PCR screening

General Liquid Handling:

- Cherry picking / Reagent pooling
- Tube to plate transfers, serial and parallel dilution
- Plate transfer, replication and reformatting
- Viral stock dilution / Bacterial culture incubation

Liquid Handling



VERSA 110 NAP / PCR Setup Workstation with HEPA / UV / Fluorescent light enclosure

DECK MODULES



Plate Shaker



Magnetic Block (optional)



Plate Cooler / Heater Block



Reagent Cooler / Heater Block



Vacuum Manifold (optional)

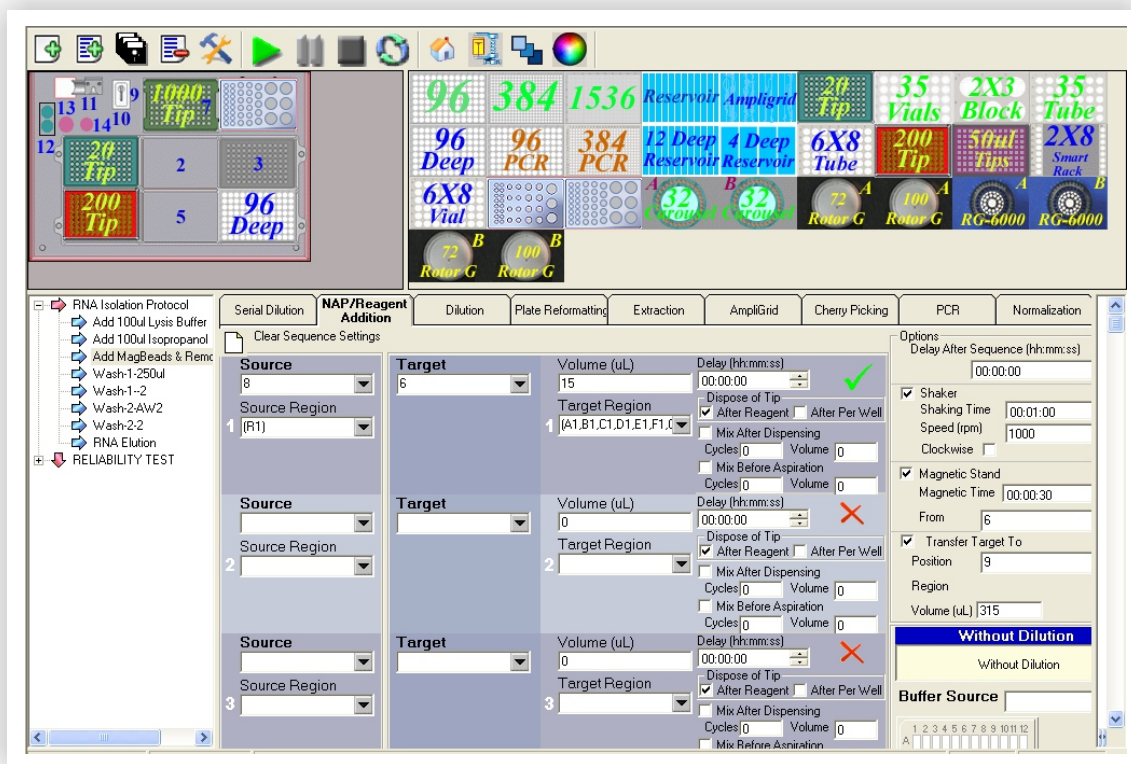
LIQUID HANDLING MODULE



Unique Dual Module Manifold

SOFTWARE & DECK

The VERSA 110 NAP/PCR Setup Workstation's built-in software accommodates commercially-available extraction kits for both magnetic bead and vacuum manifold techniques. In addition, users can easily control liquid handling protocols such as aspiration / dispensing speed, tip positioning and tip blow-out volumes.



SPECIFICATIONS

VOLUME	1 µL to 1000 µL
DECK CAPACITY	<ul style="list-style-type: none"> •Four microtitre plates (96- and 384-well, capillary tubes in carousel, Gene-Disc and 0.1 mL and greater PCR strip tubes) •Three tip-box positions •Reagent block (cooling / heating) •Shaker with heater – can also be used as plate nest •Magnetic block option – can also be used as plate nest •Plate transporter •Three tip-box positions •Plate cooler / heater block (optional) •96-channel aspirator (optional)
PIPETTE TIPS	20 µL, 50 µL, 200 µL and 1000 µL standard (96-well racked)
PIPETTING HEAD	Single channel dual SyringePipettor with four (4) channel ReagentDrop
DIMENSIONS (Without Hood)	W 60 x L 60 x H 45 cm / W 23.6 x L 23.6 x H 17.7 in
DIMENSIONS (With Hood)	W 72 x L 68 x H 90 cm / W 28.3 x L 26.8 x H 35.4 in
WEIGHT (Without Hood)	35 kg
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

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

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