

# VERSA™ 1100 Gene Nucleic Acid Preparation Workstation

The VERSA™ 1100 Gene is an automated liquid handling workstation that performs nucleic acid purification and PCR set up for end point or real time PCR with high precision, throughput and accuracy. This system is capable of turn key solutions involving DNA/RNA extraction and purification followed by PCR set up for downstream amplification.

The unique multi-channel head offers both 8 channel and single channel pipetting options as well as a 5 channel reagent addition module for fast, accurate, and precise reagent pipetting, mastermix preparation, dilution series creation and sample addition. When combined with a range of built in modules, the VERSA 1100 Gene workstation can generate highly purified nucleic acid samples and set up PCR reactions.

This high-throughput workstation increases sample numbers while decreasing sample volumes, conserves expensive reagents, eliminates concerns associated with volumetric variations caused by handling errors and automates all repetitive pipetting protocols.

The VERSA 1100 Gene is ideal for nucleic acid preparation and is applicable to a wide range of research areas including: disease control (avian flu, SARS, HIV), forensics (DNA fingerprinting), molecular pathology (cancer, genetic susceptibility), environment / food (GMOs and pathogen identification) and other molecular biology applications.

While this system is intended for extraction and isolation of nucleic acids, 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.

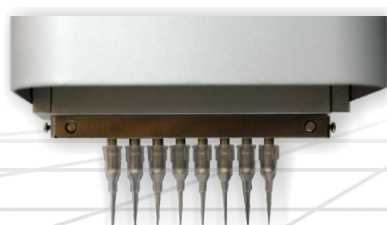
## FEATURES

- 96-well format microplate or fully automated column format
- Compatible with most commercially available kits
- Multi-channel head, including:
  - 8 channel SyringePipettor (one channel can be used independently for mastermix preparation, cherry picking, etc)
  - 5-8 channel ReagentDrop cluster for dispensing reagents
- Integrated tip changer and autoclavable tubes reduce cross-contamination issues
- Magnetic block on the deck
- Plate shaker
- Plate transport system
- Reagent block (cooling / heating)
- Plate cooling / heating block
- HEPA / UV / Fluorescent light enclosure (optional)

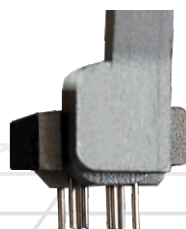
## APPLICATIONS

- Nucleic acid extraction and isolation
- Real-time and end-point PCR setup
- Oligo-based gene synthesis
- ELISA
- Protein purification
- Solid phase extraction
- General liquid-handling applications

Liquid Handling

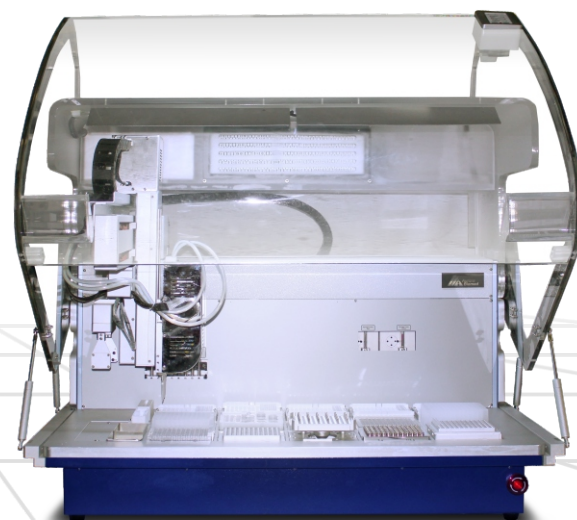


**8-channel SyringePipettor  
(with switchable single-channel)**



**5-cluster  
ReagentDrop**

**VERSA 1100 Gene Nucleic Acid  
Preparation Workstation**



## 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
DECK CAPACITY	·Five tip box positions for 8-channel SyringePipettor ·Two tip box positions for single channel SyringePipettor ·Eight deck positions that can accommodate microtitre plates (with adaptor to accommodate individual tubes and/or strip-tubes) ·Tip box / reservoir / plate positions are interchangeable ·Reagent block (cooling / heating) ·Reservoir ·Shaker – can also be used as plate nest ·Plate transporter
PIPETTE TIPS	20 µL, 50 µL, 200 µL and 1000 µL standard (96-well racked)
PIPETTING HEAD	8-channel SyringePipettor with 1 independent channel with cluster of 5-fixed pin ReagentDrop
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.*

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