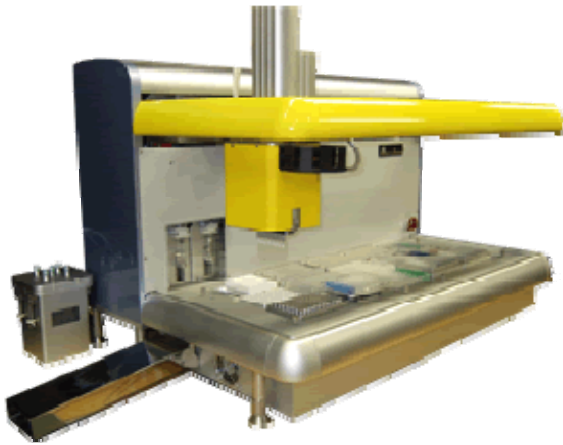


VERSA Gene Automated Nucleic Acid Preparation Workstation



The VERSA GENE workstation is designed to automate nucleic acid extraction and PCR set up for end point or real time PCR. Offering high precision, accuracy and throughput, this system is capable of complete workup of RNA or DNA samples from extraction to preparation of the PCR plate for a thermocycle.

The specially-designed multi-channel head, consisting of switchable 8-channel and single channel operation with 5 channel reagent addition, allows for fast, accurate, and precise pipetting for mastermix preparation, dilution series for real-time PCR and sample addition. Combined with a range of build-in modules, the VERSA GENE workstations allows for all-in-one automation of RNA and DNA sample preparation.

The VERSA GENE is the perfect system for nucleic acid preparation that can be used in a wide range of research areas. From disease control (avian flu, SARS, HIV) to forensics (DNA fingerprinting) to molecular pathology (cancer, genetic susceptibility), this system offers higher throughput for sample preparation, reduces reagent costs, minimizes sample volumes, eliminates concerns associated with handling errors, and handles repetitive pipetting protocols while allowing walk-away control. While this system has been designed specifically for extraction and isolation of nucleic acids, it is capable of performing a variety of other genomic, proteomic, and general liquid handling tasks; such as: PCR set



up, gene synthesis from oligonucleotides, serial dilution schemes, cherry picking, plate reformatting, and plate replication.

The VERSA GENE workstation, when housed in an appropriate bio-safety cabinet, can be utilized to handle BSL-2 and BSL-3 agents reducing the risk of iatrogenic infections in laboratory workers.

Features:

- 96 well format microplate or fully automated column format
- Compatible with most commercial available kits
- VERSA GENE Multi-channel head, including:
 - 8 channel SyringePipettor (one channel can be used independently for mastermix preparation, cherry picking, etc)
 - A cluster of 5 channel ReagentDrop for dispensing reagents
 - Integrated tip changer and autoclavable tubes to reduce cross-contamination issues
- Magnetic block / Vacuum manifolds on the deck
- Shaker
- Plate transport system
- Reagent cooling block
- Temperature block
- Operates with user-friendly VERSAware
- UV/HEPA-filter hood option

Applications:

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

Instrument Integration:

Thus VERSA workstation can be easily integrated with complimentary accessories, such as orbital shakers, incubators, plate readers, and others

Software and Deck:

VERSAware GENE software is easily programmable for nucleic acid sample preparation. It can be customized to isolate DNA & RNA, prepare



PCR mastermixes, add nucleic acid templates, move plates among temperature control block, magnetic block, and shaker block, and load samples into PCR.

The deck configurations shown are a general representation for setting up reactions for nucleic acid preparation using commercially available kits. Additional labware may be required depending on the setup and the individual method being performed.

Features:	
Volume	1µL to 1000µL
Precision	CV value <2% at 1µL
Deck	<ul style="list-style-type: none">• Four (4) tip box positions for 8-channel SyringePipettor• Two (2) tip box positions for single channel SyringePipettor/microtitre plate nests• Eight deck positions that can accommodate microtitre plates (with adaptor to accommodate individual and/or strip-tubes)• Reagent block (4°C)• Reservoir• Shaker/ microtitre plate nest• Magnetic block / microtitre plate nest• Vacuum manifold• Carousel-based PCR option• Plate Transporter
Capacity	20µL, 50µL, 200µL and 1000µL standard (96-well racked)
Pipette Tips	8-channel SyringePipettor with 1 independent channel
Pipetting Head (Module)	Cluster of 5-fixed pin ReagentDrop



Dimensions	W 62 x L 93 x H 62 cm
Weight	60kg
Software	Customized user-friendly VERSAware software featuring simple on-screen prompts and drop-down menus
Computer System	Laptop computer with Windows Operating Software