

The VERSA 1100 4-Channel Independent workstation features four 1000 µL syringe pipettors, each with independent Z-axis movement capable of working out of source sample tubes. This system was designed to help medical and clinical workers efficiently handle large quantities of biological samples and protect them from the risk of infection. The built-in liquid level sensing and clot detection features are ideal for handling blood samples where volumes vary and clots are often present. Samples can be tracked through the workflow via the integrated barcode scanner. The VERSA 1100 4-Channel Independent workstation is ideally suited to the needs of any laboratory

APPLICATIONS FIELDS

Healthcare: *Diagnosis, Genetic screening*

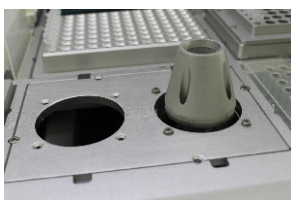
Academic/Government: *Genetic Research, Disease
Detection /Monitoring*

Clinical /Molecular Diagnostic: *Diagnostic Assays*

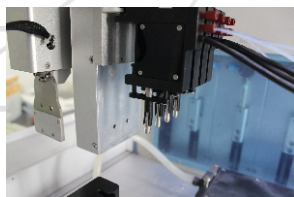
Pharmaceutical: *Drug Research and Drug Screening*

Veterinary / Animal Husbandry: *Pathogen Detection*

Forensics: *DNA Fingerprinting, Differential Digestion*



Magnetic Bead Vortex



4-Channel Pipette Head with
Independent Z-axis Movement

FEATURES AND BENEFITS

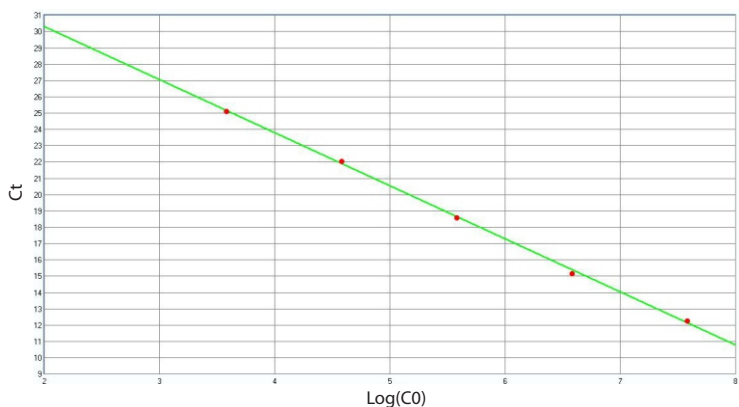
- 4-channel liquid displacement pipette head
 - Z-axis independent movement
 - Single channel function for reformatting and plate transfer
 - 1000 µL volume
 - Built-in capacitive and pressure sensors for liquid level sensing and clot detection
- Patented all-in-one magnet/shaker elevator:
 - Saves space and frees up deck space for other modules
 - Reduces number of plate movements to decrease protocol time
- 96-tip aspirator reduces protocol time and tip usage costs
- Integrated barcode scanner for easy sample tracking
- Optional HEPA filtered UV/Fluorescent light enclosure with automatic door prevents sample contamination
- Open system – compatible with diverse kit chemistry and labware



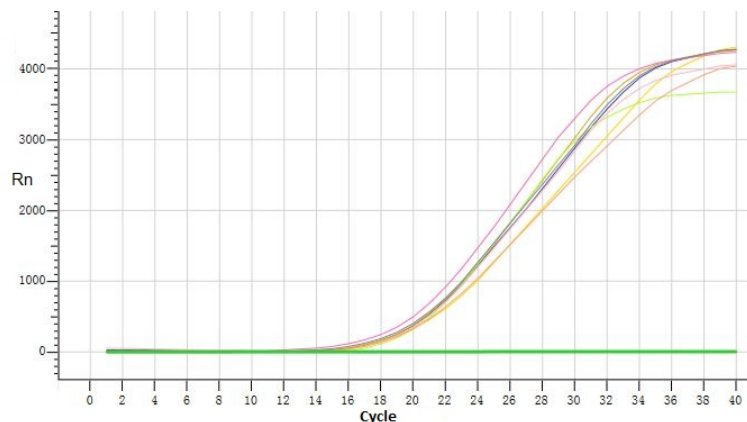
VERSA 1100
4-Channel Independent Workstation

Instrument Performance

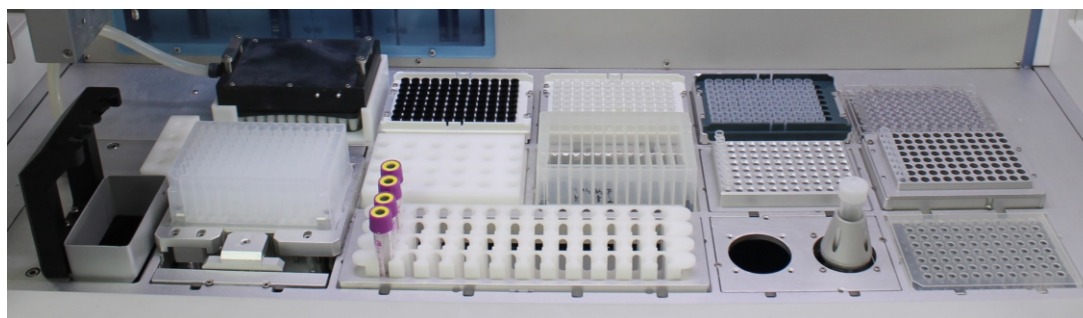
The VERSA 1100 4-Channel Independent workstation generated an R^2 value of 0.999 for the detection of Hepatitis B virus (HBV) by qPCR. Moreover, the Ct values for samples containing the HBV E8 gene in 8 replicates produced a CV value of 0.46%. These results indicate that the VERSA 1100 4 channel independent workstation is an instrument with high pipetting accuracy, precision, and stability.



Standard calibration curve for the detection of HBV DNA.



Amplification curve obtained from HBV samples and blank (green), showing no cross-contamination.



VERSA 1100 4-channel Independent Workstation Deck Layout

SPECIFICATIONS

PIPETTING HEAD (disposable tips)	4-channel independent Z-axis movement. Liquid displacement technology
LIQUID-LEVEL/CLOT DETECTION	included
MAGNET/SHAKER ELEVATOR	included
96-TIP ASPIRATOR	1
TEMPERATURE REGULATION BLOCK	1
REAGENT COOLING BLOCK	2
INTEGRATED BARCODE SCANNER	1
MAGNETIC BEAD VORTEX	Included
PLATE GRIPPER	Included
HEPA / UV / FLUORESCENT LIGHT ENCLOSURE	Included
LENGTH	98.5 cm / 38.8 in
DEPTH	75.2 cm / 29.6 in
HEIGHT	108.2 cm / 42.6 in (with hood fully open)
WEIGHT	225 kg / 496 lbs
DECK CAPACITY	up to 15 depending on adaptors used

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

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