

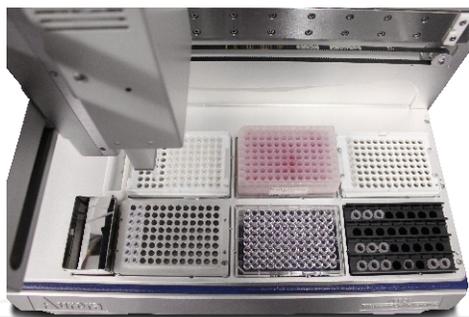
Automation of Tumor Marker Detection using VERSA 10 Workstation

Liquid Handling - Applications

Tumor markers found in blood, urine and body tissues can be used in diagnosing and treating cancer. Each tumor marker is indicative of a particular disease and thus can be used for the screening, monitoring and diagnosis of specific tumor types. In addition to being used in prognosis, these molecular markers help to predict the response, resistance and toxicity to therapy. For example, BCR-ABL gene sequence detection is used to diagnose chronic myelogenous leukemia and acute lymphatic leukemia.

For the detection of such markers, research has focused on DNA-based PCR techniques and melting curve analyses to determine gene expressions, duplications, deletions and even single nucleotide changes. While these techniques are becoming easier and quicker, automation of the PCR and sequencing reaction setup is essential to screen the large number of samples.

The VERSA™ 10 Workstation is currently used by labs worldwide for PCR and sequencing setup to determine and monitor expressions and to search for genetic variants which may be involved in breast cancer metastasis. Such indicators will ultimately lead to the development and use of a biomarker-based diagnostic test to determine a patient's breast cancer metastasis risk.



VERSA 10 Deck Setup

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

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FEATURES

- 4- or 8-channel pipettor with single-channel function
- Optional plate cooler
- Air displacement technology
- Accommodates 3rd party reagents and diverse labware
- Easy method setup for automating a wide range of protocols
- Custom method development
- Predefined methods
- File import capability

WORKSTATION SPECIFICATIONS

L x W x H (cm)	45 x 57 x 54 cm
L x W x H (in)	17.7 x 22.4 x 21.3 in
WEIGHT	31 kg/62 lb
DECK CAPACITY	6
PIPETTING HEAD	4- or 8-channel
FUNCTIONALITY	Single-channel capability
REAGENT COOLER BLOCK	Optional

VERSA 10 Workstation enclosed in a UV/HEPA hood

