

# VERSA 1000 Avian Flu Workstation



## VERSA 1000 Avian Flu Workstation

The VERSA 1000 Avian Flu workstation, is a high throughput liquid handling workstation that can perform extraction and detection of the avian influenza virus - the viruses found chiefly in birds. Natural infections with influenza A viruses have been reported in a variety of animal species including humans, pigs and birds. In the event of large scale infections, the robotic workstations with higher throughput are needed to carry the detection of this virus in the avian or human samples.

The avian flu viral infection can be detected using ELISA or end point PCR. The detection process for end-point PCR and realtime PCR involves the isolation of viral genome (RNA), conversion of RNA into DNA which is followed by amplification of the specific target(s) from the DNA. The primary purpose of automation is, therefore, to minimize the time involved with sample preparation, to reduce the cumbersome nature of the processes involve. Aurora Instruments Ltd has launched The VERSA 1000 Avian flu workstation, a cost effective tool that increases the throughput and reproducibility of the avian flu detection process.

### The workstation has the following features:

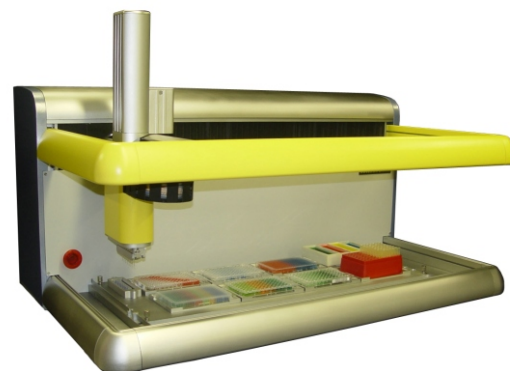
- 96 well format microplate or fully automated column format
- mutichannel head with either 8 channel or single channel capability.
- Disposable tips
- Volume range: 1µL-1000µL
- Plate transport system
- Magnetic block or Vacuum manifolds on the deck as an option
- Shaker
- Target plate cooler/heater
- 15 deck positions
- Operated with user-friendly VERSAware
- Reaction setup time for one 96-well reaction plate is 1hour and 40 minutes.

### Cross contamination:

- Integrated tip changer and autoclave tubes and parts reduced cross-contamination issues. The using of filter-tips / barrier tips for all pipetting applications ensures 'zero' cross-contamination.
- UV/HEPA Hood is optional

### Other Applications:

- PCR reaction setup
- Gene synthesis from oligos
- ELISA
- Protein purification
- Solid phase extraction



VERSA 1000

### Product Specification:

VERSA Series		VERSA 1000
Physical Dimensions Length (mm)		1100mm
Depth (mm)		780mm
Height (mm)		662mm
Weight (kg)		60
Deck Capacity (Plates)		3 X 5 = 15
Robotic Positions (all axes)		± 100 µm
Channels/arm		8 channel/arm

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Liquid Handling