

# HybStation

The proven, turnkey solution to hybridization challenges.



## Key Benefits

- Increased reproducibility through precise temperature control and sample agitation
- Ability to program and run multiple protocols
- Sample loading using standard laboratory pipettes and disposable tips
- Imbedded computer with touch screen programming

The patented HybStation is the first automated system for hybridization of DNA, oligo or protein microarrays. The HybStation automates all hybridization temperature cycles with efficient agitation and post-hybridization washes. It comes with multi-

protocol software that enables you to run a different protocol on each of the independently controlled modules for a total of 6 different protocols simultaneously. The HybStation can accommodate up to 5 different pre-hybridization or post-hybridization solutions.

The HybStation is an ideal automated system for laboratories that demand highly reproducible and sensitive microarray hybridization, while eliminating the intense labor and guesswork of traditional manual methods.

DNA Shearing

Colony Picking

Cell Growth

DNA/RNA Synthesis

Microarraying

Hybridization

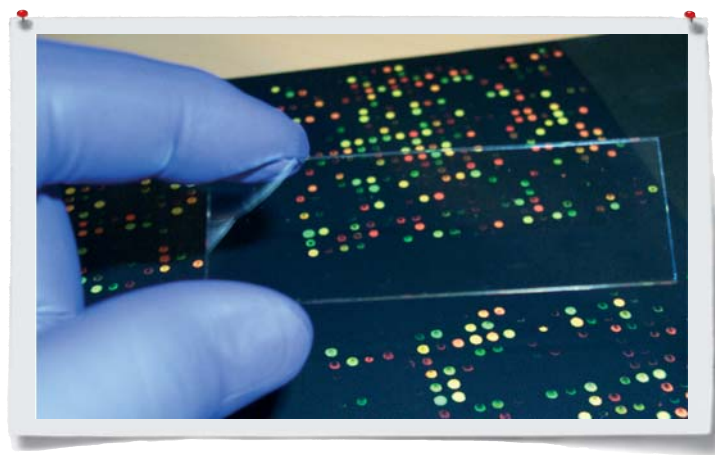
Scanning

## Design Specifications

<b>Dimensions</b>	W 24" x D 21" x H 23" (W 61 cm x D 53.4 cm x H 58.5 cm)
<b>Slide Capacity</b>	12 standard 1" x 3" microscope slides
<b>Operating Temperature</b>	4°C to 99°C
<b>Number of Different Protocols Simultaneously</b>	6
<b>Hybridization Area</b>	21.4 mm x 61 mm
<b>Hybridization Volume</b>	110 µl

## Design Features

- Internal Pentium processor and operating system with touch screen programming for standalone operation.
- Up to 8 HybStations can be networked together and controlled from a single PC, allowing the user to process 96 slides in a single run for high throughput operation.
- Advanced technology heating/cooling elements with a temperature range from 4°C to 99°C.
- 6 independently controlled thermal modules with the ability to program and run multiple protocols simultaneously.
- Clear fluidic manifold and translucent tubing let the user observe correct fluid flow.
- Patented translucent slide covers that allow the user to view the hybridization surface, while preventing photobleaching of fluorescent dyes.
- Probe injection using standard laboratory pipette and disposable tips to prevent contamination between slides.
- Two programmable waste bottles to allow the user to segregate solutions as necessary.



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