

Hyb4

The personal solution to microarray hybridization.



The Hyb4 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. The 4-position Hyb4 is the next generation HybStation built on the same time-proven Digilab

patented automated hybridization technology. The Hyb4 is your first choice if you don't need to run 12 microarrays at a time. The Hyb4 automates all hybridization temperature cycles with efficient agitation and post-hybridization washes of DNA, oligo or protein microarrays. It comes with multi-protocol software that

enables you to run 2 different protocols on each instrument. The Hyb4 can accommodate up to 5 different pre-hybridization or post-hybridization solutions. The Hyb4 also features a built in heater block for 0.5 and 1.5 ml centrifuge tubes for convenient pre-heating of samples prior to loading.

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

Design Specifications

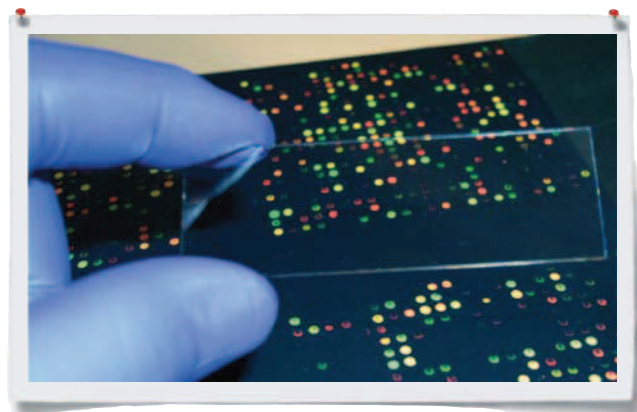
Dimensions	W 24" x D 18" x H 20" (W 60 cm x D 35 cm x H 50 cm)
Slide Capacity	4 standard 1" x 3" microscope slides
Operating Temperature	4°C to 99°C
Number of Different Protocols Simultaneously	2
Hybridization Area	21.4 mm x 61 mm
Hybridization Volume	110 µl
Minimum Control Computer Specifications	Must be running Windows XP Professional operating system with one available serial connection and meet Microsoft minimum specifications for that operating system

Options

Control Computer	800 Mhz (or higher) Intel Pentium processor, 128 MB RAM, Windows XP Professional Operating System
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Design Features

- Easy to use software.
- 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.
- Advanced technology heating/cooling elements with a temperature range from 4°C to 99°C.
- 2 independently controlled thermal modules with the ability to program and run multiple protocols simultaneously.
- Built-in heater block for 0.5 and 1.5 ml centrifuge tubes for convenient pre-heating of samples prior to loading.



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