

## MBI BioMixer Microarray Hybridization Station

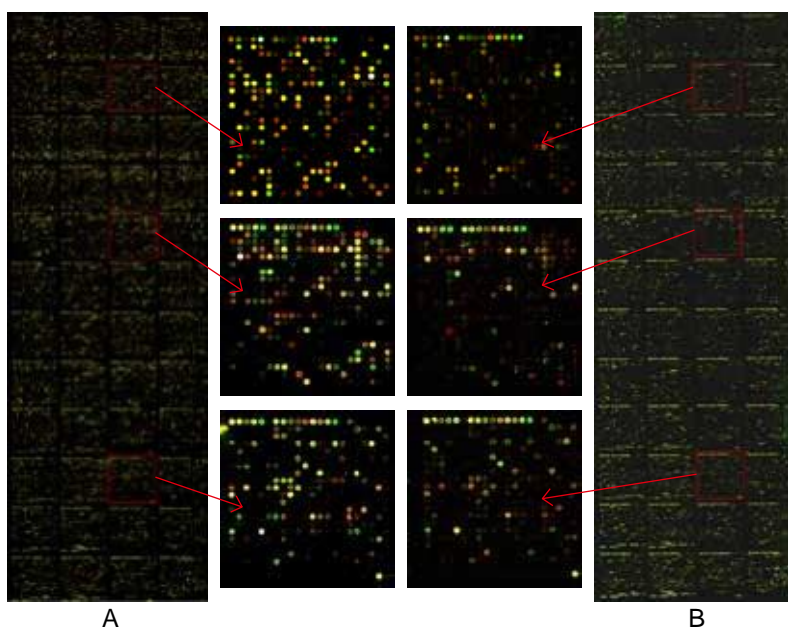
### Descriptions

MBI BioMixer is a microarray hybridization station that helps the aqueous hybridization mixture spread evenly over the microarray surface by continuous 3-D motion in a temperature adjustable environment. This exposes each and every sample spot uniformly with the reaction reagent solution, resulting in enhanced reaction signal intensity and signal consistency. MBI BioMixer is easy to operate, with up to 6 or 12 microarray slides hybridized simultaneously. The BioMixer™ II is equipped with 3 interchangeable adapters to accommodate hybridization, washing and mixing of biochemical reagents in tubes.



### Key Features

- Uniform temperature and humidity when used together with MBI's specially designed hybridization cassettes
- Unique 3-D motion guarantees the hybridization signal is homogenous over the whole microarray surface
- Eliminates edge effects. Enhanced results evidenced in recent independent reports on microarray quality and performance, such as Patterson, T., et al., (2006) *Nature Biotechnology* 24: 1140-1150 and Shi, L., et al., (2006) *Nature Biotechnology*, 24: 1151-1161
- LCD control panel
- Suitable for hybridizations and immunoreactions on 25 mm x 75 mm slides or in tubes using different adaptors



Two typical hybridization results from the MBI BioMixer Microarray Hybridization Station (A) compared to a static method (B).



LCD Interface

## Available Adaptors



Test tube adaptor



Hybridization cassette adaptor



Microarray washing box

## Specifications

| Features             | Parameters  |
|----------------------|---|
| Capacity             | 6 or 12 slides/15 ml tubes/50 ml tubes              |
| Time Range           | 1min ~ 23hr59min                                    |
| Temperature Range    | 30 ~ 65 °C  |
| Temperature Accuracy | ± 0.5 °C  |
| Rotating Speed       | 5 ~ 30 rpm (adjustable)                             |
| Voltage              | 100 ~ 240 V   |
| Power                | 1,000 Watts   |
| Size (W x D x H)     | 405mm x 516mm x 486mm (15.9 in x 20.3 in x 19.1 in) |
| Weight               | 36 kg (79 lb)                                       |

## Ordering Information

| Product Name                                  | Product Description  |
|---|--|
| MBI BioMixer Microarray Hybridization Station | Equipped with 3 microarray hybridization cassettes         |
| Adaptor A                                     | For array hybridization, up to 6 cassettes in BioMixer II  |
| Adaptor B                                     | For array washing  |
| Adaptor C                                     | For standard microtube reactions                           |
| Adaptor D                                     | For array hybridization, up to 12 cassettes in BioMixer II |