



BioTray

Microtechnology for biological
& Chemical Applications

TrayMix S2

We Have Just Made It Easier



TrayMix S2
Automated Hybridization Station.

Don't waste your time,
speed up your research with a high-quality,
reliable and easy to use system.

Active mixing via CHAOTIC ADVECTION

The efficiency of the TrayMix S2 station is based on Chaotic Advection. It is a principle of active mixing which allows it at the same time to very quickly homogenize your hybridization solution and to carry out uniform reactions on the whole of the treated surface.

Choose a proven and innovative technology.

Quick & Reproducible process

Reduction of hybridization time
(eg : 2 hours vs 12 hours under static conditions)
Improvement of hybridization specificity and reduction in the coefficients of variation (cv)

With TrayMix S2 achieve fast and reliable results difficult to reach with traditional processes.

Flexible and Easy to Use

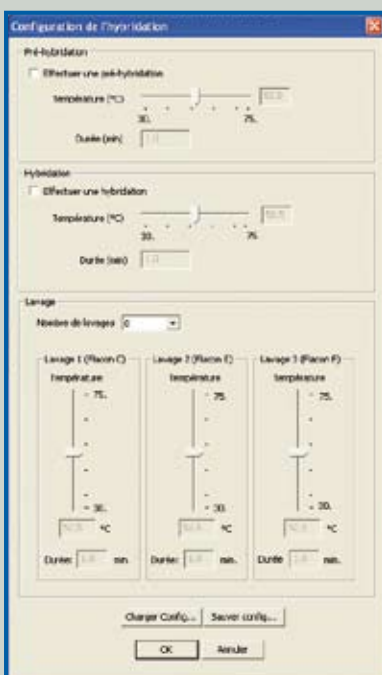
Two completely independent chambers
Automated and programmable (hybridization, up to 3 wash and decontamination)
Temperature control (20 à 75 °C +/- 0,1°C)

TrayMix S2 technology offers simplicity of use and a large panel of applications.

Cost reductions

The system uses small volumes of injected targets (less than 50 µl)

Minimize the amount of biological material used



Technical Specifications

| | |
|----------------------|---|
| Dimensions | 35 cm x 26,5 cm x 14 cm (height) |
| Capacity | 2 slides |
| Microarrays format | 25 mm x 75 mm x 1 mm |
| Hybridization area | 21 x 60 mm |
| Hybridization volume | Hybridization chamber: 50 µL Mixing Loop: 450 µL |
| Biological targets | Optimal quantity: 5 to 50 pmol Injected volume via pipette : up to 50 µL |
| Temperature | Regulation : 20°C - 75°C (+/- 0,1°C) |
| Solutions | Chemically resistant to almost all reagents |
| Programming | PC + BioTray software "WinTrayMix" |

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The TrayMix S2 station allows to carry out chemical and biological reactions on all microarrays. Please contact us for other supports.

Improve your results on Biochips :

(For your diagnostic applications, gene expression, genotyping...)

- CGH (Comparative Genomic Hybridization)
- Oligonucleotide
- cDNA
- Aptamer
- Protein
- Peptide Nucleic Acids
- Zip Code

Perspectives aiming at applications such as FISH (Fluorescent in situ hybridization) and enzymatic reactions on specific surfaces (APEX, ligation, etc..).

