

## HYPERCHROME

Technical Data Sheet

REF EHP500AS

### PRODUCT DESCRIPTION

HyperChrome is the perfect Instrument for denaturation & hybridization procedures during FISH experiments.

HyperChrome allows both denaturation and hybridization, for the time required by each type of probe, eliminating the need to move the sample from one instrument to another. The heating surface, with accurate temperature control, allows co-denaturation, a process commonly used for simultaneous denaturation of the target DNA and the probe; the humidity chamber, on the other hand, allows to maintain a level of humidity sufficient to prevent dehydration of the probe and ensure strong signals with a low background. The microprocessor allows to achieve exact correspondence to the set temperature, and maintains uniform temperature across all slide positions. HyperChrome thus enables to obtain high quality and reproducible results.

**Manufacturer: EuroClone S.p.A.**



### GENERAL FEATURES

#### Temperature & humidity control

- Superior temperature uniformity across all slide positions.
- Rapid temperature ramp-up and accuracy of  $\pm 1^{\circ}\text{C}$ .
- Lid tightly sealed allows to maintain uniform temperature and ensure high humidity level across all slide positions.

#### Programmable settings

- Four operation modes: denaturation/hybridization, hybridization (fixed temperature), custom, In situ PCR.
- 60 user programmable settings.
- The instrument can accommodate up to a maximum of 12 microscope slides simultaneously.

## Easy to use

- Touch screen: for easy reading and programming.
- Eliminates manual steps and reduces hands-on time during FISH procedures.
- Slides do not need to be fully loaded to maintain temperature accuracy.
- Slide guide keeps slides in place and allows for one hand removal.

## TECHNICAL FEATURES

|                              |                 |
|------------------------------|-----------------|
| Temperature control range    | RT+5°C~99.9°C   |
| Time range                   | 1min ~ 99h59min |
| Temperature control accuracy | ≤±1°C           |
| Temperature uniformity       | ≤±1°C           |
| Heating time (37°C to 95°C ) | ≤3min           |
| Cooling time (95°C to 45°C ) | ≤7min           |
| Capacity                     | 12 Slides       |
| Max. Input power             | 350W            |
| Dimension dxwxh (mm)         | 420×225×143     |
| Net weight (kg)              | 5.2             |

## SAFETY

HyperChrome complies with the following EU directive:

- 2006/95/EC
- 2004/108/EC

## MAINTENANCE

The heating surface must be always kept clean, any particle must be removed to ensure a direct contact between the heating surface and slide. Use a cloth with alcohol to clean the heating surface.

Fill the water tanks with purified water. The level must be checked and maintained constantly