EuroClone®

serving science through innovation

AUTOCHROME

REF : EKAMH1001

PRODUCT DESCRIPTION

Autochrome is a robotic dispenser for automated processing of chromosome preparations from in situ cultures of embryonic cells: amniocytes, *chorionic villi* and abortive tissues derived cells.
Through a flexible software the equipment allows to mechanically reproduce all the manual operations required on chromosome preparation steps: hypotonic treatment, prefixation and fixation step.

Manufacturer: EuroClone S.p.A.

KEY FEATURES

Autochrome is composed by:

- 1 main unit.
- 1 accessory kit consisting of:
  - 2 independent compartments with trays for housing the dishes.
  - 3 containers with caps for the reagents needed for samples processing.
  - 1 container with caps for distilled water.
  - 1 container with caps for the waste collection.
  - Silicone tubes connections.
  - 2 active carbon filters.
  - 1 power cord.

TECHNICAL SPECIFICATIONS

Operating capacity

2 independent compartments, each one accommodating 36 Petri dishes (Amniodish type) or 24 rectangular dishes (Amnioslide / AmnioChamber type).

Control Panel

LCD 320x240 pixel, touch screen.

Operating cycles

4 programs factory set. Possibility for the user to create new programs.

Processing time
Around 50 minutes for each tray.

Connections
RS 232C for service

Supply voltages
- 110 - 230 V AC, 300 W (MAX), 50 - 60 Hz
- Thermoelectric fuse

Working Environment
- Temperature: 15 ° C - 30 ° C
- Absolute humidity: 20% - 80%

Storage
- Temperature: 0 ° C - 50 ° C

Elimination of toxic fumes
Autochrome is equipped with two active carbon filters, which have the specific function of adsorbing the vapours of the mixture of methanol/acetic acid, usually used in laboratories for cytogenetics.

External dimensions	Weight
1000 x 700 x 550 mm (W x D x H)	100 kg approx

SECURITY
Autochrome complies with the following directives:
- Low Voltage Directive (73/23/EEC), and subsequent amendments.
- Electromagnetic compatibility (89/336/EEC), and subsequent amendments (92/31/EEC - 93/97/EEC).

MAINTENANCE
Trays: everyday cleaning after work.

Bins: weekly cleaning.

Pipes and air filters: monitoring every 3 months.

Activated carbon filters: should be replaced every 6-12 months, depending on the workload, with wide margin of safety.

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CYTOGENETICS

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