



# EuroClone®

serving science through innovation

## QUICKCHROME

REF : EKAMH900

### Product Description

**Quickchrome** is an instrument that optimizes the quality of chromosome preparations, obtained from cytotrophoblastic cells of *chorionic villi* samples (CVS) processed by "direct technique" (either immediately after the sampling or after 24-48 hours of incubation at 37°C), through the homogeneous dispensation of the sample on the slides.

The "direct technique", and especially the laying of cells suspended in acetic acid solution, is a procedure that, if done manually, has several drawbacks:

- an excessive number of metaphases with random loss of chromosomes
- low quality of banding, often making difficult/impossible the chromosome analysis
- too high and uncontrolled variability of results.

QUICKCHROME is able not only to minimize the effects of these problems, but also to reduce the time and the heaviness of manual work required for the preparation of slides to be analyzed.



**Company Manufacturer** EuroClone S.p.A.

### General Features:

The operator can set the best parameters, in terms of temperature and speed of the plate, finding the most convenient condition for the evaporation of the aqueous acetic acid; this, in turn, will produce the ideal chromosome preparation.

The desired values are set by a keypad membrane, the data are showed on a liquid crystal display.

The instrument can accommodate up to 6 rectangular slides. The handling of the slides requires extremely simple manual operations. Ultimately the instrument is able to deal with any type of workload, and operational capacity is still be compatible with the rhythms imposed by the daily routine.

### Construction features

External Dimensions	Weight	Power
16x41x36 cm (HxWxD)	11 kg approx	220V - 80W

### Functions:

#### Range of plate temperature

30°C-80°C accuracy +/- 0.5 ° C

#### Range of comb speed (time to complete the run)

4.5- 11 minutes (adjustable in increments of 0.5 mins)

**Suggested parameters for the following procedures:**

• for direct diagnostic methods (chorionic villi and tumour tissues)	TEMP 38- 40°C/ 11 min
• for the aging of chromosome preparations	TEMP. 60°C
• preparations for staining technique using cytogenetic banding-Ag NOR	TEMP. 80°C
• for the execution of FISH (fluorescence in situ hybridization)	TEMP. 75 ° C

**Safety:**

Quickchrome conforms to the following directives and standards:

Directive 2004/108/EC – Electromagnetic Compatibility Directive

CEI EN 61326-1 Electromagnetic compatibility. Electrical equipment for measurement, control and laboratory use.

Directive 2006/95/CE – Low Voltage Directive

CEI EN 61010-1 Safety requirements for electrical equipment for measurement, control and laboratory use

**Maintenance**

Routine maintenance is simple to perform: is required to clean the stainless steel comb after every working cycle with biological material.

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**CYTOGENETICS**

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