

Auto aging and staining chromosome instrument

Auto Chromosome Stainer is the equipment which is for automatically executing aging and staining processes that are preprocessing of chromosome analysis using the G-banding method. Auto Chromosome Stainer implements automatically the aging and staining treatment of chromosome specimen slides by setting the glass slides of chromosome metaphase specimens has been deployed to the device. It normally takes 2-3 days of aging process. However the aging step has dramatically improved for the efficiency of the routine works by performing the processing of approximately 30 seconds by unique approach. It is possible to process up to 20 glass slides in one cycle of operation about 30 minutes.

It has a high processing capacity since it is also possible to set the additional new glass slides during operation.

In addition to providing a stable aging and staining treatments by mechanical operation, it is possible to execute a routine process after confirming with a single glass slide in advance by performing test operation before starting routine works. It requires no retyping of all the setting data because there is a function to be reflected in main protocol from the result of test operation. In the main process, there are standard mode and eco-mode which can be reduced the amount of trypsin, ethanol and water in the process. Eco-mode can be operated in half of reagent volume for the normal mode. Auto Chromosome Stainer can save installation site as it is a desktop equipment.



HANABI-S1020
Auto Chromosome Stainer

Manufacturer and Distributor

ADSTEC

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HANABI-S1020 Specifications

The main specifications are as follows.

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#	Items	Specifications	Remarks
1	Number of processing sample	20 slides / Batch	
2	Processing time	Around 30 minutes (processing 20 slides / batch, normal mode) Around 60minutes (processing 20 slides / batch, eco-mode)	Test operation mode Processing time with a single glass slide: Around 20 minutes
3	Size of applicable glass slides	76×26×0.8~1.2mm, 75×25×0.8~1.2mm	Recommend glass slides with frost part
4	Reagents	1st reagent (Setting dip time: 3 - 30 min) 2nd reagent (Setting dip time: 0 - 120 sec) Staining solution (Setting dip time: 3 - 15 min) Rinse (Setting dip time: 0 - 60 sec)	
5	Used amount of reagents	1st reagent, 2nd reagent, Rinse: 80ml (Eco-mode or 160ml (Normal mode) Stain solution: 340ml	For processing 20 glass slides
6	Trypsin temperature	30°C	
7	Staining solution Bath	Exchangable	There is a setting of refreshing staining solution per batch
8	Operating environment	15-30°C, 20-60%RH	Non-condensing
9	Storage environment	0-40°C, 0-95%RH	Non-condensing, non-icing
10	Atmospheric Pressure	800 - 1114hPa	2000 meters or lower
11	Power Input Voltage	100 - 120, 200 - 240VAC (+/-10%)	Voltage and 50/60Hz are option of the order.
12	Power consumption	800W	
13	Externals Dimensions	700×630×930mm (WxDxH)	Without switches and touch panel
14	Weight	Around 90Kg	Without attachments
15	Safety Standard	CE-marking	EN61326-1, EN61010-1
16	Patent	JP 6146885, US 15/390097	

Outline

