

A new device to produce consistent Metaphase Spreads

HANABI-PVI, Metaphase Spreaders which multitude of customers use on a daily basis for over ten years has been renewed. As a new function, it has mounted a pull-open type slide cassette that replaceable glass slide replacement without opening the main chamber cover. With this function, we have successfully achieved in greatly shortening of the catch-up time per cycle and actualized further efficiency.

This device enables anyone to create slides of metaphase spreads ideal for genomic analysis such as FISH, CGH, or G-banding. It allows consistent specimen preparation of metaphases by controlling the environmental conditions in which the slides are made. Minimising chromosome overlap in spreads makes analysis easier and more reliable, which streamlines routine work. Improved spreading of chromosomes from difficult tissues such as bone marrows is also possible with this device.

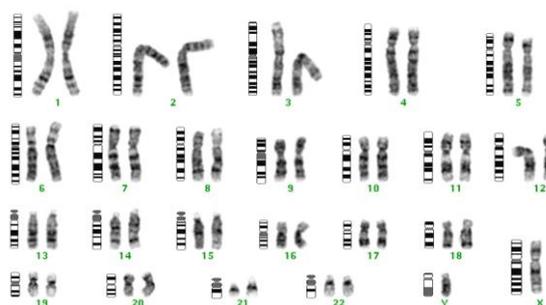


HANABI-PVI Metaphase Spreader

Characteristics:

- Consistent Spreading.
- Rapid stabilising of internal environment
- Increased yield of analysable Metaphases.
- Controlled environment achieved by adjusting the dryness index.
- Sample fluid volume: 10-30 μ l/sample
- 5 slides can be created concurrently.

G-banding chromosome



Manufacturer and Distributor

Sales Agency

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HANABI-PVI specifications

2017.2.10

#	Items	Specifications	Remarks
1	Number of glass slides	5 slides / cycle	
2	Slide glass	76 x 26 mm (t = 0.8 - 1.2 mm)	75 x 25 mm (t = 0.8 - 1.2 mm) is available
3	Enabled tip	Gilson D200	Tip for 200 µl
4	Sample dropping volume	10 - 30 µl	
5	Number of spot	1 - 2	Pipette guide for 2 spots is included as accessory items
6	Processing time	Around 5 minutes / cycle	At processing 5 slides and drying time as 1.5 minutes
7	Spreading mode	5° / 10° / 15°	At using tilting parts and pipette guide for tilting mode (Option)
8	Dry-Index value (Drying degree)	0.0 - 20.0	
9	BASE value	0.0 - 30.0	BASE block part
10	WALL value	0.0 - 30.0	U-shaped WALLs in spreading chamber
11	BATH value	0.0 - 30.0	Humidifying BATH part
12	Drying time	0.1 - 999.9 sec	
13	Volume of BATH	135 ml	Available 10 hours continuous use
14	Operating environment	15 - 25 °C, 20 - 60 %RH	Non-condensing
15	Storage environment	0 - 40 °C, 0 - 95 %RH	Non-condensing
16	Atmospheric pressure	800 - 1114 hPa	2000 meters or lower
17	Input voltage	100 - 120, 200 - 240 VAC	Factory option
18	Frequency	50 / 60 Hz	
19	Power consumption	600W	
20	Externals size	400 x 380 x 320 mm (W x D x H)	Without sw itches
21	Weight	Around 18 kg	
22	Safety standards	Expected to obtain CE marking	EN61326-1, EN61010-1

