

HANABI-PIV Metaphase Auto Spreader

HANABI-PIV Metaphase Auto-Spreader is an automation device of chromosome metaphase specimen slide of the best development for the gene analyses such as FISH, CGH, and G-banding. **HANABI-PIV** Metaphase Auto-Spreader is chromosome metaphase specimen making device that succeeded the structure of chromosome metaphase spread device "**HANABI**" admitted in the world. Samples number 48 and 96 numbers of slides can be processed automatically. The sample tubes and the slide glasses are managed by the ID code. Minimising chromosome overlap in spreads makes analysis easier and more reliable, which streamlines routine work.

Features:

- Good spreading is possible as well as **HANABI** Spreader.
- Best spread environment by Dry-Index control method
- Selectable horizontal or tilting spread mode.
- Best dropping protocols can be set.
- 48 samples / 96 slides (max.)
- Cooling storage of samples
- Additional dropping function of fixative solutions
- * ID code management of samples and slides



HANABI-PIV
Metaphase Auto-Spreader
(with fan filter unit as option)

Manufacturer and Distributor

ADSTEC

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Sales Agency

HANABI-PIV Specifications

The main specifications are as follows.

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No.	Items	Specifications	Remarks
1	Number of Samples	48 tubes	Set to removable tube holder Automatic reading function of ID code label
2	Number of Slides	96 slides	Set to removable slide magazine Automatic reading function of ID code label
3	Sample Tube	15 ml conical tube	D = 17 mm, PP, PS
4	Slide Glass	76 x 26 (t = 0.8 - 1.2) mm	76 x 26 mm, 75 x 25 mm
5	Dispenser Tip	Gilson D200	200 µl tip
6	Sample Volume	1.0 ml	Min: 0.2 ml, Max: 1.5 ml
7	Add Fixative Solution Volume	1.5 ml	Max: 2.0 ml, Using volume: 1.0 ml
8	Dropping Volume of Sample	5 - 50 µl / spot	2 spot mode : 5 - 30 µl / spot
9	Dropping Volume of Fixative	6 - 50 µl / spot	3 spot mode : 5 - 30 µl / spot
10	Number of Spot	1 - 2	
11	Dropping time for fixative	30 - 90 sec	Using add fixative mode
12	Processing Time	3.0 hours (Approx.)	48 samples, 96 slides
13	Spreading Mode	Flat / Tilt	
14	Tilting base	5 / 10 degree	Using tilting mde
15	Number of set slide at spreading part	6	
16	Dry-Index (HANABI factor)	4 - 16	
17	BASE	-10 ~ +20	
18	WALL	-10 ~ +20	
19	BATH	0 ~ +30	Available BATH auto control
20	Drying Time	60 - 999 sec	
21	Number of protocol	6	
22	Code Reader	20 digits (max)	V400R (OMRON) QR, DataMatrix, RSS, Barcode
23	Operating environment	15 - 25°C, 20 - 60%RH	non-condensing
24	Atmospheric pressure	800 - 1114 hPa	2000 meters or lower
25	Storage environment	0 - 40°C, 0 - 95%RH	non-condensing, non-icing
26	Power Input Voltage	100, 120, 230VAC, (+ / - 10%)	50 / 60 Hz
27	Power Consumption	1200W	
28	External Dimensions	1060Wx1680Hx710D	without door knob and switches
29	Weight	350 Kg (Approx.)	
30	Safety standards	EN61010-1, EN61000-4	

* HANABI-PIV metaphase Auto Spreader controls sample tubes and slide glasses with connecting ID code labels.

This equipment doesn't operate by using sample tubes and slide glasses without ID code labels. Production environment of ID code label is needed separately for customers who don't have that because ID code labels aren't made in HANABI-PIV.

There are our recommended products about ID code labels, printer for the labels, software for printing labels.