

**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 tube and the slide glass are managed by the bar code. Crossing of the chromosome is few, and the spread slide can be easy and surely analyze the chromosome.

#### **Features and Benefits**

- Good spreading is possible as well as HANABI Spreader.
- Best spread environment by Dry-Index control method
- Spreading of the horizontal or tilt type.
- Best dropping protocols can be set.
- 48 samples / 96 slides (max.)
- Cooling storage of samples
- Additional dropping function of fixative solutions
- Samples and slides management of bar code

**HANABI-PIV**  
Metaphase Auto Spreader



 Specifications

No.	Items	Specifications	Remarks
1	Number of Samples	48 samples	Sample tube with coded label
2	Number of Slides	96 slides	Slide glass with coded label
3	Size of Sample tube	15 ml conical tube	D=17mm, PP, PS
4	Slide Glass	76 x 26 ( t=0.8-1.2 ) mm	76x26, 75x25
5	Dispenser Tip	Gilson D200	200 $\mu$ tip
6	Sample volume	1ml	Min: 0.2ml, Max: 1.5ml
7	Fixative solution volume	1.5ml	Max: 2.0ml, Effective amount: 1.0ml
8	Dropped volume of Sample	5-50 $\mu$ l/spot	2 spots mode: 5-30 $\mu$ l/spot
9	Dropped volume of Fixative	5-50 $\mu$ l/spot	2 spots mode: 5-30 $\mu$ l/spot
10	Number of spot	1-2	
11	Additional Fixative dropping time	30-90 sec	Using Fixative-adding mode
12	Processing time	3.0hrs (Approx.)	48 samples, 96 slides
13	Tilting base	5/10 degree	Using tilting mode
14	Dry-Index (HANABI factor)	6-12	
15	Code Reader	20 digits (max)	V400-R (OMRON) QR, DataMatrix, RSS, Barcode
16	Operating environment	15-25 $^{\circ}$ C, 20-60%RH	non-condensing
17	Storage environment	0-40 $^{\circ}$ C, 0-95%RH	non-condensing, non-icing
18	Atmospheric Pressure	800 - 1114 hPa	2000 meters or lower

19	Power Input Voltage	100, 120, 230VAC, (+/- 10%)	50/60Hz
20	Power consumption	1200W	
21	Overvoltage Category	2	
22	Externals size (WxHxD)	1060Wx1680Hx710D	without door knob and switches
23	Weight	350 Kg (Approx.)	
24	Safety Standard	EN61010-1	
25	EMC	EN61000-4, EN61326	