

## Chromosome specimen maker Metaphase Auto Spreader Mini

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**HANABI-PV** Metaphase Auto-Spreader Mini is the automatic compact equipment for the chromosome metaphase specimen slide of the ideal spreader for the chromosome analysis such as FISH, CGH, and G-banding. This is the chromosome metaphase specimen maker that succeeded "HANABI" series which are appreciated all over the world. 10 samples and 20 slides can be processed automatically. The Drum system for the spreading part enables us to shorten the processing time. Minimum chromosome overlap in spread slides makes analysis easy and reliable, which streamlines routine work. Moreover, optimal spread for cells difficult to spread (e.g. leukemia cell) and animal cells is enabled by applying this device.

### Features:

- Ideal spreading same as HANABI Spreader
- Dry-Index control
- Adjuster dropping volume
- 10 samples / 20 slides for 30 minutes
- Using disposable tip (1 tip / sample)
- Add-on dropping function
- Shorten protocol time by Drum system
- Desktop type equipment
- High production capacity with spare module
- Samples and Slides management code reader (option)



**HANABI-PV**  
Metaphase Auto Spreader Mini  
(EU model)

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Manufacturer and Distributor

Sales Agency

**ADSTEC**

**ADSTEC Corporation**

568-1-1, Innai-cho, Funabashi-shi, Chiba 273-0025 Japan  
Tel: +81-47-495-9070 Fax: +81-47-495-8809  
<http://www.ads-tec.co.jp> E-mail: [sales@ads-tec.co.jp](mailto:sales@ads-tec.co.jp)

# HANABI-PV Specifications

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No.	Items	Specifications	Remarks
1	Number of Samples	10 tubes	Automatic reading function of ID code label (Option)
2	Number of Slides	20 slides	Automatic reading function of ID code label (Option)
3	Size of 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	0.2 - 4.0 ml	
7	Add Fixative Solution Volume	0.2 - 4.0 ml	
8	Dropping Volume of Sample	0 - 40 µl / spot	2 spot mode : 0 - 40 µl / spot
9	Dropping Volume of Fixative	0 - 40 µl / spot	2 spot mode: 0 - 40 µl / spot
10	Number of Spot	1 - 2	Available function w hen using tw o spot pipetting guide (Option).
11	Processing Time	30 minuts (Approx.)	10 samples, 20 slides
12	Spreading Mode	5 / 10 / 15 degrees / Arbitrary angle	Available function w hen using tilting pipet guide (Option).
13	Dry-Index (HANABI factor)	0 - 20	
14	BASE	0 ~ +30	
15	WALL	0 ~ +30	
16	BATH	0 ~ +30	
17	Drying Time	0 - 9.9 min	
18	Number of protocol	20	
19	Code Reader (Option)	20 digits (max)	For Tubes: V400R (OMRON) For slides: FQ-CR10050F-M (OMRON) QR, DataMatrix, RSS, Barcode
20	operating environment	15 - 25°C, 20 - 60%RH	non-condensing
21	Atomospheric Pressure	800 - 1114 hPa	2000 meters or low er
22	Storage environment	0 - 40°C, 0 - 95%RH	non-condensing, non-icing
23	Pow er Input Voltage	100 - 120VAC, 200 - 240VAC (+/-10%)	50 / 60 Hz
24	Pow er Consumption	800W	
25	External Dimensions	700x640x805mm (WxDxH)	US model w ithout door knob and sw itches
26	Weight	80 Kg (Approx.)	
27	Safety standard	EN61010-1, EN61326-1	

