

HANABI P5

Metaphase Auto-Spreader

ADS Biotec offers the most advanced and state-of-the-art technology in cytogenetics automation.

The HANABI P5 Metaphase Auto-Spreader is an automated instrument designed especially for small to mid-size labs — processing up to 10 samples or 20 slides per run. The HANABI P5 Metaphase Auto-Spreader fits on a benchtop making it ideal for small spaces.

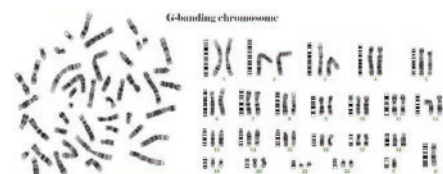
The HANABI P5 Metaphase Auto-Spreader allows for optimization of environmental conditions for the preparation of metaphase chromosome spreads. Temperature, humidity and airflow are adjustable, and are able to rapidly stabilize. This ensures that when chromosomes are dropped and spread on microscope slides, they dry in a consistent and reproducible manner. Excessive spreading and chromosome overlaps can be minimized, facilitating better yields in metaphase analysis. The sample tubes and slides are tracked by bar codes (unique feature). The chromosome spreading process for conventional FISH, CGH and G-banding analysis of samples derived from blood cells or bone marrow samples is now more streamlined and consistent. Conditions can be adjusted to minimize crossing of chromosomes, and, after automated spreading, can be analysed on the completed slide. Protocols requiring that cells and chromosomes are spread on the entire slide can be achieved using the optional tilting functionality.

Features and Benefits

- **Increased laboratory productivity**
- **Unique bar code tracking feature**
- **Highly consistent spreading results**
- **Benchtop size**
- **10 samples/20 slides walk-away capability**
- **Touch screen control panel**
- **6 adjustable spreading protocols**
- **Low maintenance and ease of use**
- **Additional features available**



CE-IVD certified for the European market.



Increased Productivity with High Quality and Consistency

Specifications

Items	Specifications	Remarks
Number of samples	10 samples	Labeling code
Number of slides	20 slides	Labeling code
Size of sample tube	15 mL conical tube	D=17 mm PP, PS
Slide glass	76 x 26 (t+0.8-1.2) mm	76 x 26, 75 x 25
Dispenser tip	ADS Biotec Dispensing tips, Gilson D 200	Uses 200 µL tip
Sample volume	0.2-0.4 mL	
Fixative solution volume	0.2-0.4 mL	
Dropped volume of sample	0-40 µL/spot	2 spots mode: 0-40 µL /spot
Dropped volume of fixative	0-40 µL/spot	2 spots mode: 0-40 µL /spot
Number of spot(s) per slide	1-2	
Processing time	20 mins (approx.)	10 samples/20 slides
Protocol selection	6	A, B, C, D, E, F
Tilting base	5/10/15 degrees	Using tilting mode
Dry-index settings	6-12	HANABI dry-index allows sample optimization.
Bar code reader	30 digits (max.)	Compatible with different styles of bar codes.
Operating environment	15-25° C, 20-60% relative humidity	Non-condensing
Storage environment	0-40° C, 9-95% relative humidity	Non-condensing, non-icing
Atmospheric pressure	800-114 hPa	2,000 meters or lower
Power input voltage	100, 120, 230 VAC, (+/- 10%)	50/60 Hz
Power consumption	800 VA	
External size (W x H x D)	700 x 800 x 600 mm	Without door knob and switches
Weight	65 kg (approx.)	
Safety filter	HEPA + carbon filter	European version only
Safety standard	CE marked	EN ISO13485:2016, EN 13641:2002, SO 15223-1:2016, ISO 23640:2015, EN 62366:2008

Order Information

Product Description	Catalogue Number
HANABI P5 Metaphase Auto-Spreader	HNB-99-00P5-B
HANABI System Interface PV (HSI-PV)	LUP114
Dispensing Tips for HANABI-PV	LP500115



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