

# HANABI-PV

## Metaphase Auto-Spreader Mini



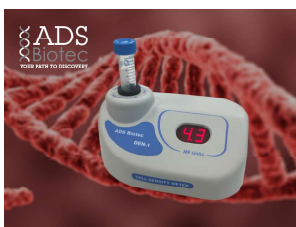
ADS Biotec offers the most advanced and state-of-the-art technology in cytogenetics automation.

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

The HANABI-PV Metaphase Auto-Spreader Mini allows for optimization of environmental conditions for the preparation of metaphase chromosome spreads. Temperature, humidity and airflow are set and rapidly stabilize thus ensuring that when chromosomes are dropped and spread on microscope slides, they are dried in a consistent and reproducible manner. Excess spreading and chromosome overlaps are minimized, facilitating better yields of metaphase analysis. The sample tubes and the 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. Protocols requiring that cells and chromosomes are spread on the entire slide can be achieved using an optional tilted slide block.

## Features and Benefits

- Increased Laboratory Productivity
- Bar code reading unique feature
- Benchtop size
- 10 samples/ 20 slides walk-away capability
- Touch screen control panel
- Cell suspensions measurement (optional)
- Low maintenance and ease of use



*Increased Productivity with High Quality and Consistency*

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Metaphase Auto-Spreader Mini



## 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=17mm, PP, PS                                 |
| Slide Glass                  | 76 x 26 (t+0.8-1.2) mm                | 76 x 26, 75 x 25                               |
| Dispenser Tip                | Gilson D200                           | 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 minutes (approx.)                  | 10 samples, 20 slides                          |
| Tilting Base                 | 5/10/15 degrees                       | Using Tilting mode (optional)                  |
| Dry-Index Settings           | 6 – 12                                |  |
| 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, 230VAC, (+/- 10%)           | 50/60 Hz                                       |
| Power Consumption            | 800VA                                 |  |
| External Size mm (W x H x D) | 700 x 800 x 600                       | Without door knob and switches                 |
| Weight                       | 65 Kg (approx.)                       |  |
| Safety Filter                | HEPA + Carbon filter                  | European version only                          |
| Safety Standard              | CE marked                             | EN61010-1, EN61000-4                           |

## Ordering Information

| Product Description                                    | Catalog Number |
|--|----------------|
| HANABI-PV Metaphase Auto-Spreader Mini                 | HCMS-99-0005-A |
| Densitometer for round bottom tubes; with tube adaptor | LUP107         |

## Contact Information



ADS Biotec, Inc.  
7409 Irvington Road,  
Omaha, NE 68122 USA

Phone: 402-800-3200  
Fax: 402-800-3183  
Email: [info@adsbiotec.com](mailto:info@adsbiotec.com)  
Web: [www.adsbiotec.com](http://www.adsbiotec.com)

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