



## **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.

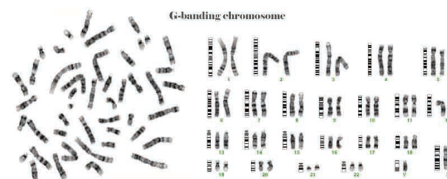
The **HANABI P5** Metaphase Auto-Spreader allows for optimization of environmental conditions for the preparation of metaphase chromosome spreads. Temperature, humidity and airflow are adjustable, and are able to rapidly stabilize. This ensures that when chromosomes are dropped and spread on microscope 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 analyzed on the completed slide. Protocols requiring that cells and chromosomes are spread on the entire slide can be achieved using the optional tilting functionality. The Dehumidifier accessory allows the **HANABI P5** to operate above its standard designed operational conditions in environments with high RH and temperature.

### **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
- Dehumidifier accessory
- Additional features available



CE-IVD certified for the European market.



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## Increased Productivity with High Quality and Consistency

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## 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, P5  |
| Slide glass                 | 76 x 26 (t+0.8-1.2) mm             | 76 x 26, 75 x 25  |
| Dispenser tip               | ADS Biotec P5 Dispensing tips      | 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 enhances sample spreading optimization |
| Bar code reader             | 30 digits (max.)                   | Compatible with multiple 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 mm x 800 mm x 600 mm           | Without handles and switches                            |
| Weight                      | 65 kg (approx.)                    |   |
| Safety standard             | CE IVD marked                      |   |
| Safety filter               | HEPA + carbon filter               | European version only                                   |

## Order Information


| Product Description                 | Catalogue Number |
|-------------------------------------|------------------|
| HANABI P5 Metaphase Auto-Spreader   | HNB-99-00P5-B    |
| HANABI System Interface P5 (HSI-P5) | LUP 114          |
| Dispensing Tips for HANABI P5       | LP500115         |
| HANABI P5 Dehumidifier Accessory    | LUP138           |



## Contact Information

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

Phone: 888-974-7483  
Email: [info@adsbiotec.com](mailto:info@adsbiotec.com)

ADS Biotec Limited  
40 Watt Road  
 Hillington Park  
Glasgow, G52 4RY UK

Phone: +44 (0) 141 892 8800  
Fax: +44 (0) 141 883 5967  
Email: [info@adsbiotec.com](mailto:info@adsbiotec.com)