

# HANABI P3P

## Metaphase Chromosome Harvester

**ADS Biotec** offers the most advanced and state-of-the-art technology in cytogenetics automation. The **HANABI P3P** Metaphase Chromosome Harvester is designed for today's cytogenetic laboratories that require increased productivity and throughput - plus it delivers the consistent, professional quality you demand every time.

The **HANABI P3P** benchmark technology fully automates the multi-step process of preparing and harvesting metaphase cells derived from blood and bone marrow cell cultures and from other cell suspension cultures for cytogenetic analysis.

The **HANABI P3P** reduces hands-on time of the entire harvesting process by 75%, allowing time for other specialized tasks, providing increased throughput for your laboratory. Specifically created for large-size samples throughput, the **HANABI P3P** enables processing up to 64 samples per run and eliminates variability compared to manual processing methods.

The **HANABI P3P** can be integrated with additional options such as reagent sensors, waste fluid tank sensors, extra fixative line, the HANABI SP2 (auto-fixative mixer), the sample loading optimization rack and the ultimate HSI feature for accurate data tracking and storage.

### Features and Benefits

- Increased laboratory productivity
- 64 sample walk-away harvesting capability
- Automated sample processing: Centrifugation, Vortexing, Aspiration, Injection
- Highly consistent results
- Increased sample loading efficiency by 80%
- Hypotonic setting time flexibility
- Optimized for high numbers of bone marrow samples
- Touch screen control panel
- 6 adjustable harvesting protocols
- Low maintenance and ease of use
- Running data collection (HSI feature)
- Designed to accommodate our SP2 Auto-fixative mixer
- 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  |
|---------------------------------|------------------------------------|--|
| Centrifugal tube                | 15 mL                              | Falcon (polypropylene)                           |
| Culture cell suspension         | 10 mL (max.)                       | Typical 5 mL                                     |
| Number of samples               | 64 samples                         | 1-64 samples                                     |
| Total processing time           | 2.5 hrs (approx.)                  | 64 samples (30 min hypotonic)                    |
| Hypotonic treatment temperature | 37° C                              | Preheating, select ON/OFF                        |
| Centrifuge section temperature  | 37° C                              | Air bath, select ON/OFF                          |
| Centrifuge                      | 1 to 10 minutes at 1,000 rpm       | Approximately 310 force                          |
| Protocol selection              | 6                                  | A, B, C, D, E, F                                 |
| Operating environment           | 15-30° C, 20-60% relative humidity | Non-condensing                                   |
| Storage temperature             | 0-40° C, 0-95% relative humidity   | Non-condensing, non-icing                        |
| Atmospheric Pressure            | 800-114hPa                         | 2,000 meters or lower                            |
| Pollution degree                | 2                                  | Non-conductive levels                            |
| Input voltage                   | 100, 120, 230 VAC                  | Voltage and 50/60 Hz require order specification |
| Power consumption               | 1,200 W                            |  |
| External size (W x D x H)       | 1,010 mm x 730 mm x 2,200 mm       |  |
| Weight                          | 480 kg (approx.)                   |  |
| Safety filter                   | HEPA + carbon filter               | Optional   |
| Safety standard                 | CE IVD marked                      |  |

## Order Information

| Product Description                                       | Catalogue Number |
|---|------------------|
| HANABI P3P Metaphase Chromosome Harvester                 | HNB-99-003P-B    |
| HANABI Harvester-HSI System Interface for P1, P2P and P3P | LUP114           |
| HANABI Harvester-SP2 Auto-Fixative Miver for P3P          | LUP153           |
| HANABI Harvester-Reagent Empty Sensor Kit for P3P         | LP30046          |
| HANABI Harvester-Waste Pump Accessory Kit for P3P         | LUP158           |



## Contact Information

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