

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



Increased Productivity with High Quality and Consistency

Specifications

Items	Specifications	Remarks
Centrifugal tube	15 mL	Falcon (polypropylene)
Culture cell suspension	10 mL (max.)	Typical 5 mL
Number of samples	64 samples	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64
Total processing time	2.5 hrs (approx.)	64 samples (30 min hypotonic)
Centrifuge G	310 xg (approx.)	1,000 rpm (r=28 cm)
Injection pumps	4	Hypotonic x 2, fixative x 2
Aspiration lines	4	
Hypotonic treatment temperature	37° C	Preheating, select ON/OFF
Centrifuge section temperature	37° C	Air bath, select ON/OFF
Stirrer (vortex type) orbital	6 mm	Stirring speed 0-2, 100 rpm
Stirring speed selection	2	Default: SC1=1, 500, SC2=2, 100 rpm
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 marked	

Order Information

Product Description	Catalogue Number
HANABI P3P Metaphase Chromosome Harvester	HCMH-99-003P-A
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



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