

# HANABI-PI

## Metaphase Chromosome Harvester

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

The HANABI-PI 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 analyses.

Specifically created for small to mid-size sample throughput, the HANABI-PI enables processing of up to 16 suspension cultures per run and eliminates variability compared to manual processing methods.

## Features and Benefits

- Increased laboratory productivity
- 16 sample walk-away harvesting capability
- Automated sample processing: Centrifugation, Vortexing, Aspiration, Injection
- Highly consistent results
- Touch screen control panel
- 6 adjustable harvesting protocols
- Low maintenance and ease of use
- Additional options available



*Increased Productivity with High Quality and Consistency*

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## Specifications

Items	Specifications	Remarks
Centrifugal Tube	15 mL	FALCON (Polypropylene)
Culture Cell Suspensions	10 mL (Max.)	Typical 5 mL
Number of Samples	16 samples	4, 8, 12, 16
Total Processing Time	1.5 hrs (Approx.)	16 samples, 30 min hypotonic
Centrifuge G	320 xg (Approx.)	1400 rpm (r = 17 cm), Max. = 1500 rpm
Injection Pumps	2 (0.1mL/rev)	PBS/Hypotonic x1: 0.1mL- 10mL (+/- 3%) Fixative x1: 0.1 mL- 6 ml (+/- 3%) 7
Aspiration Pumps	4	Twin pump x 2
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- 2100 rpm
Stirring Speed Selection	2	Default: SC1=1500, SC2=2100 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- 1114hPa	2,000 meters or lower
Pollution Degree	2	Non-conductive levels
Input Voltage	100, 120, 230 VAC	Voltage and 50/60 Hz need order specification
Power Consumption	800W	
Externals size mm (W x H x D)	850 x 1,600 x 700	Without reagent bottles mount and Safety Filter
Weight	250 Kg (Approx.)	
Safety Filter	HEPA + Carbon filter	European version only
Safety Standards	CE marked	EN61010-1, EN61000-4
Protocol Data Reading	USB	Optional

## Ordering Information

Product Description	Catalog Number
HANABI-PI Metaphase Chromosome Harvester	HCMH-99-00P1-B

## Contact Information



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