

HANABI-P II Plus

Metaphase Chromosome Harvester



ADS Biotec offers the most advanced and state-of-the-art technology in cytogenetics automation. The HANABI-P II Plus 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-P II Plus reduces hands-on time of the entire harvesting process by 75% allowing time for other specialized tasks, providing increased throughput for your laboratory. Its 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. Capable of processing up to 24 samples per run eliminates variability compared to manual processing methods.

The HANABI-P II Plus can be integrated with additional options such as reagent sensors, waste fluid tank sensors, extra fixative line, and the HANABI-SPI (auto fixative mixer).

Features and Benefits

- 24 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

HANABI-P11 Plus

Metaphase Chromosome Harvester



Specifications

Items	Specifications	Remarks
Centrifugal Tube	15 mL	FALCON (Polypropylene)
Culture Cell Suspensions	10 mL (Max.)	Typical 5 mL
Number of Samples	24 samples	4, 8, 12, 16, 20, 24
Total Processing Time	2.0 hrs (Approx.)	24 samples, 30 min hypotonic
Centrifuge G	320 xg (Approx.)	1200 rpm (r = 20 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 VAC	Voltage and 50/60 Hz need order specification
Power Consumption	800W	
Externals Size mm (W x H x D)	850 x 1600 x 750	Without reagent bottles mount and Safety Filter
Weight	300 Kg (Approx.)	
Safety Filter	HEPA + Carbon filter	European version only
Safety Standards	CE marked	

Ordering Information

Product Description	Catalog Number
HANABI-P11 Plus Metaphase Chromosome Harvester	HCMH-99-0002-B

Contact Information



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