

HANABI P2N

Metaphase Chromosome Harvester

ADS Biotec introduces the new **N Series** harvesters - the most advanced and state-of-the-art technology in cytogenetics automation. The first in the series, the **HANABI P2N** 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 P2N** 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 P2N** reduces hands-on time of the entire harvesting process by 75%, allowing time for other specialized tasks, providing increased throughput for your laboratory. Capable of processing up to 24 samples per run, which eliminates variability compared to manual processing methods.

The device comes with a waste pump and includes interleave mode - making it capable of simultaneous aspiration and injection, reducing the operating time by an extra 15 minutes. In addition, the newest optional feature, Auto-dilution, allows the customer to specify requirements for dilution of harvested samples.

Features and Benefits

- Increased laboratory productivity
- 24 sample walk-away harvesting capability
- 6 adjustable harvesting protocols
- Highly consistent results
- Fumeless
- Low noise operation
- Ease of use
 - Interleave mode
 - HSI System Interface
 - Auto-dilution
 - Auto-fixative mixer
 - Integrated waste Pump
 - Reagent and Waste Empty sensors
 - 12" Windows color touch control panel



Increased Productivity with High Quality and Consistency

Specifications

Items	Specifications
Centrifugal Tube	15 mL, Falcon (polypropylene)
Culture cell suspension	10 mL (max.), Typical 5 mL
Number of samples	6, 12, 18, 24 samples
Total processing time	1 hour and 40 minutes
Number of injection needles	3
Injection volume	0.5-7 mL
Injection speed	0.25 or 0.5 mL/sec.
Stirring speed selection	2,100 rpm max.
Stirring time	1-20 sec.
Centrifuge G	430 G
Centrifuge time	30-900 sec.
Centrifuge speed	1,400 rpm max.
Hypotonic treatment temperature	37° C
Centrifuge section temperature	37° C
Protocol selection	6
Operating Environment	18-30° C, 20-60% relative humidity
Pollution degree	2
Input voltage	100-240 VAC
Power consumption	800 W
External size	850 mm (W) x 865 mm (D) x 1,835 mm (H)
Weight	300 kg
Safety Filter	HEPA and Carbon Filter
Safety Standard	CE marked - EN ISO13485:2016, EN 13641:2002, SO 15223-1:2016, ISO 23640:2015, EN 62366:2008, EN 61326-1: 2021 Class A, EN 61010-1:2010/A1: 2019

Order Information

Product Description	Catalogue Number
HANABI P2N Metaphase Chromosome Harvester	HNB-99-0P2N-B
HANABI P2N Auto Fixative Mixer	LP2NA0002
HANABI-HSI-P2N - HANABI System Interface for HANABI P2N	LP2NA0003
HANABI P2N Sample Holders	LP2NA0004
HANABI P2N Reagent Empty Sensors	LP2NA0005
HANABI P2N Waste Tank Sensors	LP2NA0006
HANABI P2N Auto Dilution	LP2NA0007

Contact Information



Corporate Office

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

Phone: 888-974-7483
Email: info@adsbiotec.com



ADS Biotec Limited

40 Watt Road
Hillington Park
Glasgow, G52 4RY UK

Phone: +44 (0)141 892 8800
Email: info@adsbiotec.com



www.adsbiotec.com