

Chromosome specimen maker
64-Samples Metaphase
Harvester **HANABI-PIII** does
the processing of cell harvesting
from the cultured cell
automatically, simplifying a
complicated process and
producing uniform cells. The
main operation of Metaphase
Harvester is the constant
temperature centrifugal separator
structure, a hypotonic treatment
using pre-heated hypotonic
solution that enable fixation
processing with cooled fixative
solution. The centrifugal
separator section is located at the
center with 8 sets of centrifugal
sections, 8 tubes per set, capable
of producing 64 specimens at
one time by injecting solutions
and exhaust solutions. By using
the **HANABI-PIII**, a large
amount of stable chromosome
specimens can be produced
enabling cell harvesting.

Features and Benefits

- 64 sample walk-away harvest capability
- Automated sample:
- Centrifugation
- Vortexing
- Aspiration
- Injection
- Constant temperature centrifugal chamber
- Pre-heated hypotonic treatment
- Fixation with cooled fixative solution
- Built-in control panel
- 6 adjustable harvesting protocols
- Low maintenance

HANABI-PIII Metaphase Harvester



HANABI-PIII EC model



Centrifuge

 **Specifications**

No.	Items	Specifications	Remarks
1	Sample Holders Diameter	16.8mm	15ml Centrifugal tubes
2	Culture cell suspensions	10 ml (max.)	Typical 5ml
3	Number of samples	64 samples	4,8,-- 60, 64 (4xN)
4	Total processing time	Approx. 2.5hrs	64 samples, 30min Hypo. time
5	Centrifuge speed	1000 rpm	Approx. 310G
6	Acetic acid : Methanol	1:03	
7	Hypotonic treatment temperature	37°C	Select ON/OFF
8	Centrifuge section temperature	37°C	Select ON/OFF
9	Operating environment	15-30°C	20-60%RH (non-condensing)
10	Power Supply Voltage	100,120,230 VAC +/- 10%	50/60Hz (Options)
11	Power consumption (Main)	1200W	
12	Power consumption (Filter Unit)	270W	For EC model, 230V-50Hz
13	Dimension WxDxH (EC model)	W105xD73xH180(220)cm	Wo/Shelf
14	Weight (EC model)	Approx. 430(460) Kg	
15	Safety Standards	CE-marking	EN61010-1, EN61000-4