

HANABI-L 2.0

Automated Lymphocyte Isolator System

ADS Biotec offers the most advanced and state-of-the-art technology in laboratory automation. The HANABI-L 2.0 Automated Lymphocyte Isolator System is designed for today's laboratories that require increased throughput for higher productivity resulting in consistent, high-quality sample preparation.

The HANABI-L 2.0 Automated Lymphocyte Isolator System simplifies the lymphocytes' isolation process from peripheral blood by centrifugation, high definition camera layer recognition and subsequent sample aspiration at controlled temperature, resulting in a truly high-throughput, high-quality procedure. System technology fully automates the entire Lymphocyte isolation process, eliminating variability compared to manual methods. The HANABI-L 2.0 Automated Lymphocyte Isolator System is custom designed to radically improve the speed, efficiency and quality of lymphocytes isolation procedures.

The HANABI-L 2.0 Automated Lymphocyte Isolator System is capable of processing batches of 24 samples and features a negative pressure cabinet and ultraviolet exposure preventing sample contamination. The system provides full sample traceability using a novel bar coding feature.

Features and Benefits

- 24 sample walk-away capability
- Camera reading layer unique feature
- Sterile configuration
- Increased laboratory productivity
- Sample traceability
- Integral fume extraction
- Touch screen control panel
- Extensive alarm system
- Low maintenance and ease of use
- Easy programming capability



Increased Productivity with High Quality and Consistency

Specifications

Items	Specifications	Remarks
Accepted tube types	Blood collection tube: BD Vacutainer® (Becton, Dickinson and Co.). Isolating tube: BD Vacutainer® CPT (Becton, Dickinson and Co.). Storage tube: BD Falcon® 15ml conical tube (Becton, Dickinson and Co.)	75 mm or 100 mm height
Tip types	Ep T.I.P.S.® (Eppendorf AG.)	
Throughput capacity	1-24 samples	
Sample holder	Available steam autoclaving	
Centrifuge speed	1,200-3,000 RPM	Relative centrifugal force: 300-1,800 xg
Centrifuge	4-20° C	Sensors for detecting presence or absence of sample tubes
Injection and aspiration mechanism	Injection volume is adjustable. Tips are replaced per sample at injection. Shutters included to prevent dropping.	
Stirring method	Pipette mixing	
Cell layer identification	Using camera, lens, capture board, I/O board (trigger lighting), image processing library	
Sterile inner environment	Clean bench (negative pressure inside the equipment, with air curtain), ultraviolet exposure, safety filter (HEPA filter, activated charcoal filter)	
Sample ID management	QR code, Data Matrix (ECC200), MicroQR, PDF417, WPC (JAN/EAN/UPC-A/UPC-E, NW-7, ITF, Code39, Code93, Code128)	
Control system	Onboard PC for control of camera, motor, temperature and sample ID management	
Operating environment	15-30° C, 20-80% relative humidity	Non-condensing
Storage temperature	0-40° C, 0-95% relative humidity	Non-condensing, non-icing
Atmospheric pressure	800-1114 hPa	2,000 meters or lower
Power input voltage	100-260 V (equipped transformer)	50/60 Hz
Power consumption	Not measured	
External size (W x D x H)	1,400 mm x 1,200 mm x 2,000 mm	Without handles and switches
Weight	Not measured	

Order Information

Product Description	Catalogue Number
HANABI-L 2.0 Automated Lymphocyte Isolator System	HALA-99-1020-B



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