

BeneSphera™ Brand

3-PART DIFFERENTIAL

Hematology Analyzer

H31



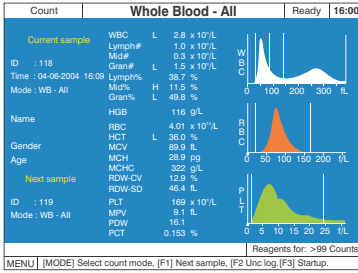
Key Highlights

- High price-performance ratio
- High accuracy and reliability
- Quick response - provides result in two minutes
- Cyanide-free reagents to avoid environmental contamination (optional)
- Automatic reagent residual system

Features and Benefits

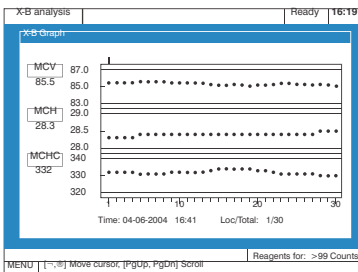
- Fully automated, compact, flexible and cost effective
- 3-part differentiation of WBC, 19 parameters and 3 histograms
- Throughput of 30 samples per hour
- Storage for up to 10,000 sample results (including histograms)
- Cyanide-free HGB analysis method
- Three counting modes: all parameters, WBC/HGB, RBC/PLT
- Reagent management system
- Built-in thermal recorder, optional external printer
- Color LCD display
- Automatic internal and external sample probe cleaning





Large Color LCD display, 19 parameters and 3 histograms (visualized and printed)

Programmable multi-format printout; huge storage of 10,000 patient results with histograms



Comprehensive QC programs including L-J and X-B analysis; Up to 9 controls lots - 31 runs / lot

Technical Specifications

Parameters	WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT and Histogram for WBC, RBC, PLT		
Principles	Electrical resistance for counting and SFT method for hemoglobin		
Performance	Parameter	Linearity Range	Precision (CV%)
	WBC(10 ⁹ /L)	0.0-99.9	3(4.0-15.0)
	RBC (10 ¹² /L)	0.00-9.99	2(3.00-6.50)
	HGB(g/L)	0-300	2(100-180)
	MCV(fL)	40.0-150.0	1(70.0-110.0)
	PLT(10 ⁹ /L)	10-999	5(200-500)
Sample Volume	Prediluted Whole Blood	20µL 13µL	
Aperture Diameter	80µm		
Throughput	30 samples per hour		
Carry over	WBC, RBC, HGB<0.5%, PLT<1%		
Menu	Count, Review, Quality Control, Setup, Service, Calibration, Shutdown		
Display	Color LCD display Resolution: 640 x 480		
Input / Output	RS232x2, 1 parallel printer(optional), 1 bar code scanner(optional), 1 keyboard interface		
Printout	Thermal recorder, 50mm width paper, various printout formats, printer optional		
Operating Environment	Temperature: 15°C~30°C Humidity: 30%~85%		
Power requirement	AC 100V~240V, 50/60Hz		
Dimension	322 (W) x 437 (H) x 386 (D)		
Weight	23Kg		

ISO Phillipsburg, NJ 9001:2008 & 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, the Netherlands 9001:2008, 14001:2004 & 13485:2003

Gliwice, Poland 9001:2008 & 17025:2005
Selangor, Malaysia 9001:2008
Dehradun, India 9001:2008, 14001:2004 & 13485:2003
Mumbai, India 9001:2008 & 17025:2005



About Avantor™ Performance Materials

Avantor Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macron Fine Chemicals™, Rankem™, BeneSphera™ and POCH™ brands.



Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors and flat panel displays. Based in Center Valley, Pennsylvania (USA), Avantor is owned by an affiliate of New Mountain Capital, LLC.

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Ordering Information and Assistance

Customer Service and Technical Service

India
1201-1206, 12th Floor, Pinnacle Business Tower,
Shooting Range Road, Surajkund, Faridabad-121009, India
TEL: +91-129-4267000, 4267100, 4267200
FAX: +91-129-4267299, 4267199
E-MAIL: diagnostics.india@avantormaterials.com

ASK Avantor™

Our Web site features ASK Avantor™ which includes live chat capabilities with customer service representatives.
www.avantormaterials.com/askavantor

Corporate Headquarters

Avantor Performance Materials, Inc.
3477 Corporate Parkway
Suite #200
Center Valley, PA 18034
USA

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