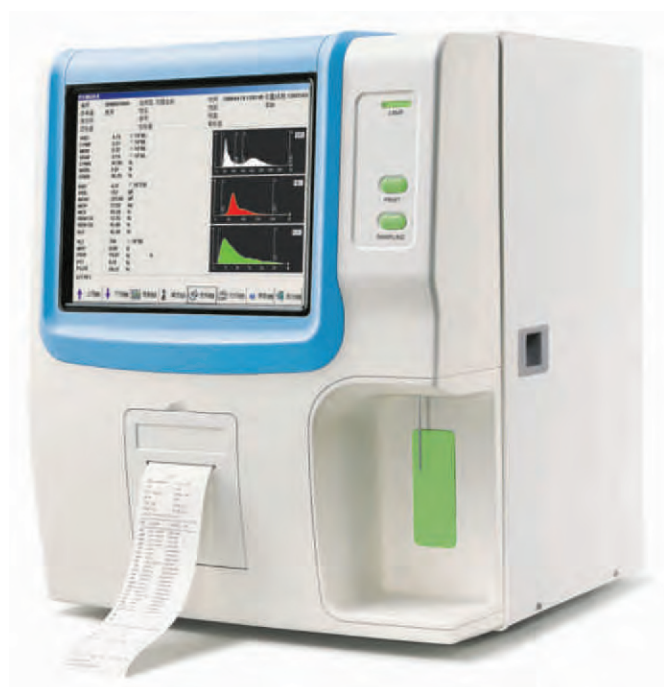**BeneSphera™**

3 PART
DIFFERENTIAL
Hematology Analyzer

Features and Benefits

- **3 Part differentiation of WBC** – 20 parameters + 3 histograms

- **2 Counting modes** – whole blood and prediluted

- **Throughput** – 60 samples per hour

- **Touch screen** – with 10.4" TFT color LCD

- **Presentation of results** – built-in thermal recorder, optional external printer

- **Sample results** – storage up to 50.000 sample results (including histograms)

- **Multi-language software** – available on request

- **Dedicated J.T.Baker® reagents** – providing reliable and consistent results

- **Regulatory compliance with certifications** – ISO and CE Certified

- **Quality control** – to confirm the precision and accuracy of instrument operation

- **Worldwide presence** – global manufacturing capability and sales network

BeneSphera™

Part of

AVANTOR™
PERFORMANCE MATERIALS

Sample Test

Auto Calibration Setting

Manual Calibration

L-J QC Setting

Profile

Technical Specifications

Product	3 Part Differential Hematology Analyzer
Counting Channel	2
Throughput	60 tests/hour
Parameters	20
Operating	Touch Screen, Mouse, Keyboard
Sample Volume	Whole blood 9.8 µl, Anti-coagulated Peripheral 9.8 µl, Prediluted 20µl
Reagents	Diluent (15.5ml/test), Lyse (0.6ml/test), Cleanser (1.2 ml/test)
Carry Over	WBC, RBC, HGB < 0.5%, PLT < 1%
QC Mode	XB & L-J; X-R; Westguard Rules
Storage	50.000
Interface	RS232C, USB*2, Keyboard, Mouse Interface (PS2), LAN
Linearity Range	WBC (10^9/L)　0 - 99.9 RBC (10^{12}/L)　0 - 9.99 HGB (g/L)　0 - 300 MCV (FL)　40 - 150 PLT (10^9/L)　0 - 999
Precision (CV%)	WBC (10^9/L)　$\leq$ 2.0% (7.0 - 15*10^9/L) RBC (10^{12}/L)　$\leq$ 1.5% (3.5 - 6*10^{12}/L) HGB (g/L)　$\leq$ 1.5% (110 - 180 g/L) MCV (FL)　$\leq$ 0.4% (80 - 110 FL) PLT (10^9/L)　$\leq$ 4.0% (100 - 500*10^9/L)
Power Requirement	AC 110V~220V±10%, 50-60Hz, External AC Adaptor
Dimension	436 x 363 x 367 mm
Weight	18 Kg

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 pharmaceutical production, laboratory research for academic, industry and quality control, and in medical lab testing. Our electronics materials products are used in the manufacturing of semiconductors. Based in Center Valley, Pennsylvania (USA), Avantor is owned by an affiliate of New Mountain Capital, LLC.

For additional information please visit www.avantormaterials.com or follow www.twitter.com/avantor_news

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

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