



BeneSphera™ Brand

3 PART DIFFERENTIAL

Veterinary Hematology Analyzer H32



Features and Benefits

- **7 Pre-determined animal settings plus 4 user-defined animal settings**
- **3-Part differentiation of WBC** — 20 parameters + 3 histograms
- **High throughput** — 60 samples per hour
- **10.4" TFT color LCD screen with touch screen**
- **External AC adapter avoids electronic noises** — enhancing accuracy
- **Up to 50,000 sample results (including histograms) can be stored**
- **User-friendly software** — multi-language available on request
- **J.T.Baker® branded reagents with a Cyanide Free lysing solution** — reliable results
- **Automatic dilution and manual or automatic calibration** — easy to work with
- **Automatic cleaning of sample needle**
- **Low sample and reagent consumption**
- **Patient and date of analysis can be identified**
- **Cat, Dog, Rabbit, Pig, Goat, Horse, Monkey plus 4 user-defined animal settings**



Technical Specifications

Test principle	WBC/RBC/PLT: Impedance method
Counting Channel	2
Sample volume	9.8µL(Whole Blood), 20µL(Pre-diluted Blood)
Throughput	60 samples per hour
Diluent consumption	15.5 mL
Lyse consumption	0.4 – 0.7 mL
Cleaner consumption	1.2 mL
Display	10.4" TFT color LCD screen with touch screen
Alarms	Error messages
Input-Output	RS-232, USB, LAN, keyboard and mouse interface
Barcode reader	Optional through RS-232
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) ≤ 2.0% (7.0 – 15*10 ⁹ /L) RBC (10 ¹² /L) ≤ 1.5% (3.5 – 6*10 ¹² /L) HGB (g/L) ≤ 1.5% (110 – 180 g/L) MCV (fL) ≤ 0.4% (80 – 110 fL) PLT (10 ⁹ /L) ≤ 4.0% (100 – 500*10 ⁹ /L)
Printout	Thermal printer, 55mm width paper, various printout formats, external printer optional
Operating environment	15°C ~ 35°C, relative humidity 10% ~ 90%
Store environment	0°C ~ 40°C, relative humidity ≤ 80%
Power requirement	AC110V ~ 220V, 50/60Hz
Dimensions and weight	436x363x367 mm, 18 kg

The BeneSphera™ brand product offering

Product Number	Description	Pack size
Instrument		
2977	BeneSphera™ brand 3-Part Differential Veterinary Hematology Analyzer H32	1 unit

The J.T.Baker® brand product offering

Product Number	Description	Pack size
Reagents		
2974.9010PC	Diluid™ BS3 VET	10L
2975.0500PE	CyMet™ BS3 VET CN Free	500 mL
2970.0900PE	DetectoTerge™ BS	900 mL
Hematology Controls		
2904/2905/2906	8-Parameter Control VET L/N/H	2.5 ml, vial



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
Panaji, India 9001:2008



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.

For additional information please visit www.avantormaterials.com or follow [www.twitter.com/avantor_news](https://twitter.com/avantor_news)

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