

# 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

<b>Test principle</b>	WBC/RBC/PLT: Impedance method
<b>Counting Channel</b>	2
<b>Sample volume</b>	9.8µL (Whole Blood), 20µL (Pre-diluted Blood)
<b>Throughput</b>	60 samples per hour
<b>Diluent consumption</b>	15.5 mL
<b>Lyse consumption</b>	0.4 – 0.7 mL
<b>Cleaner consumption</b>	1.2 mL
<b>Display</b>	10.4" TFT color LCD screen with touch screen
<b>Alarms</b>	Error messages
<b>Input-Output</b>	RS-232, USB, LAN, keyboard and mouse interface
<b>Barcode reader</b>	Optional through RS-232
<b>Linearity range</b>	WBC (10 <sup>9</sup> /L) 0 – 99.9 RBC (10 <sup>12</sup> /L) 0 – 9.99 HGB (g/L) 0 – 300 MCV (fL) 40 – 150 PLT (10 <sup>9</sup> /L) 0 – 999
<b>Precision CV(%)</b>	WBC (10 <sup>9</sup> /L) ≤ 2.0% ( 7.0 – 15*10 <sup>9</sup> /L) RBC (10 <sup>12</sup> /L) ≤ 1.5% ( 3.5 – 6*10 <sup>12</sup> /L) HGB (g/L) ≤ 1.5% ( 110 – 180 g/L) MCV (fL) ≤ 0.4% ( 80 – 110 fL) PLT (10 <sup>9</sup> /L) ≤ 4.0% (100 – 500*10 <sup>9</sup> /L)
<b>Printout</b>	Thermal printer, 55mm width paper, various printout formats, external printer optional
<b>Operating environment:</b>	15°C ~ 35°C, relative humidity 10% ~ 90%
<b>Store environment:</b>	0°C ~ 40°C, relative humidity ≤ 80%
<b>Power requirement:</b>	AC110V ~ 220V, 50/60Hz
<b>Dimensions and weight</b>	436x363x367 mm, 18 kg

## The BeneSphera™ brand product offering

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

## The J.T.Baker® brand product offering

Product Number	Description	Pack size
<b>Reagents</b>		
2974.9010PC	Diluid BS3 VET	10L
2975.0500PE	CyMet BS3 VET CN Free	500 mL
2970.0900PE	DetectoTerge BS	900 mL



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 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](http://www.avantormaterials.com) or follow [www.twitter.com/avantor\\_news](https://twitter.com/avantor_news)

### Ordering Information and Assistance

#### Customer Service and Technical Service

**India**  
1201-1206, 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](mailto:diagnostics.india@avantormaterials.com)

#### Netherlands

Teugseweg 20, 7418 AM Deventer, the Netherlands  
TEL: +31-570-687500  
FAX: +31-570-687574  
E-MAIL: [avantor.emea@avantormaterials.com](mailto:avantor.emea@avantormaterials.com)

[www.avantormaterials.com](http://www.avantormaterials.com)

#### ASK Avantor™

Our Web site features ASK Avantor™ which includes live chat capabilities with customer service representatives.  
[www.avantormaterials.com/askavantor](http://www.avantormaterials.com/askavantor)

### Corporate Headquarters

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

### Worldwide Locations

• China • Malaysia • North America  
• India • Mexico • Poland  
• Korea • Netherlands • Taiwan

For contact information at these locations, visit [www.avantormaterials.com/WorldwideDirectory](http://www.avantormaterials.com/WorldwideDirectory)