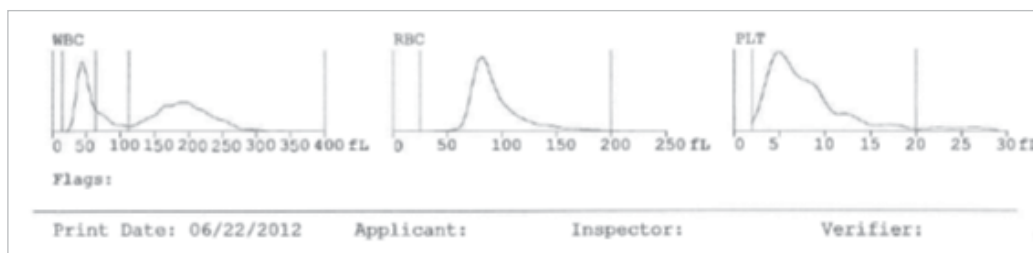


Product Profile

J.T.Baker® Reagents - For use with BeneSphera™ 3 Part Differential Hematology Analyzer

Avantor™ Performance Materials introduces a complete set of new reagents for use with the BeneSphera™ 3 Part Differential Hematology Analyzer, an instrument that uses the impedance method for RBC and PLT counting. It provides a 3 part differentiation of WBC with in total 20 parameters and 3 histograms.

The new J.T.Baker® reagents have an excellent performance on all parameters, including the white blood cell differential analysis.



Histogram BeneSphera™ 3 Part Differential Hematology Analyzer

Sustainable Quality and Consistency

The J.T.Baker® reagents for BeneSphera™ 3 Part Differential Analyzer are produced in Avantor's ISO-9001: 2008 and ISO-13485:2003 certified manufacturing facilities. The high quality water which is used during the manufacturing process enhances the quality of the solutions produced. The products are bottled under controlled conditions to prevent contamination and degradation, thus assuring maximum stability. Each batch is tested and approved both on the chemical specifications as well as on performance using the BeneSphera™ 3 Part Differential Analyzer. Comparison against a reference batch is done with fresh, human blood and blood control samples.

Reliable and Efficient Logistic Services

The reagents are manufactured and distributed from our facility in The Netherlands. Our well organized logistic services result in efficient and reliable deliveries all over the world.

Full Regulatory Compliance

The products are in full compliance with the European IVD Directive 98/79/EC. This means that they have the CE mark. The following documentation is available:

- Declaration of Conformity
- Certificate of Analysis
- Specification sheets
- Material Safety Data Sheets
- Evaluation report

Optimized Connecting

Reagents are supplied in bottles that fit to the tubes and connections as provided with the instrument thus achieving optimum compatibility. Furthermore, we offer a clear and concise manual containing the procedures to switch to our reagents including priming and calibration instructions.

Complete System by using Analyzer, Reagents and Controls

Customers are advised to use the J.T.Baker® Hematology Controls together with the reagents. The 8 Parameter Control and the 3 Diff Control are tri-level whole blood control preparations, intended for use in Hemocytometry to monitor daily accuracy and precision of the BeneSphera instruments. All deliveries are accompanied by assay values for the BeneSphera™ analyzer.

The Controls contain human RBC, simulated WBC's and mammalian platelets. All cells are suspended in a plasma like fluid. The Controls are manufactured in such a way that it simulates whole blood. The following hemocytometric values may be obtained for the 8 Parameter Control: tWBC, RBC, HGB, Hematocrit, MCV, MCH, MCHC, PLT and all other values directly derived from those listed. The 3 Diff Control additionally provides %GR, %LY, %MO. All Controls are stable for 4 months. Opened vials remain stable for minimum 3-4 weeks, when used in accordance with the instructions for use. Unopened vials may be stressed for 48 hours at 18°C maximum, without losing product integrity.



BeneSphera™ 3 Part Differential Hematology Analyzer

The J.T.Baker® reagent set product offering for the BeneSphera™ 3 Part Differential Hematology Analyzer

Diluting Fluids		
Product Number(s)	Description	Pack Size
3963	Diluid III Diff	20 liter
3963.9010	Diluid III Diff	10 liter
Lysing Reagents		
2982.0500PE	CyMet B53 CN Free	500 mL HDPE
Hematology Controls		
3701 / 3702 / 3703	8 Parameter Control Low / Normal / High	4.5 ml
3427 / 3428 / 3429	8 Parameter Control Low / Normal / High	2.5 ml
3633 / 3634 / 3635	8 Parameter Control Low / Normal / High Extended	2.5 ml
3463 / 3464 / 3465	8 Parameter Control Low / Normal / High	2.5 ml
3619 / 3620 / 3621	8 Parameter Control Low / Normal / High	1.0 ml
3746	8 Parameter Control, 1 x L, 1 x H, 1 x N	3 x 2.5 ml
3747	8 Parameter Control, 4 x Normal	4 x 2.5 ml
3749	8 Parameter Control, 4 x Low	4 x 2.5 ml
3751	8 Parameter Control, 1 x L, 4 x N, 1 x H	6 x 2.5 ml
3433 / 3434 / 3435	3-Diff Control Low / Normal / High	2.5 ml
3630 / 3631 / 3632	3-Diff Control Low / Normal / High Extended	2.5 ml
3466 / 3467 / 3468	3-Diff Control, 4 x Low or 4 x N or 4 x High	4 x 2.5 ml
3502 / 3503 / 3504	3-Diff Control Low / Normal / High	4.5 ml
Cleaning		
2970.1000PE	DetectoTerge BS	1 liter
Instrument		
2983	BeneSphera, 3 Part Differential Hematology Analyzer	1 unit

Please contact Avantor Performance Materials B.V. at +31 (0)570 687500 or your local Area sales manager for more information regarding J.T.Baker® reagents.



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



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- Korea
- Malaysia
- Mexico
- Netherlands
- North America
- Taiwan

For contact information at these locations, visit
www.avantormaterials.com/WorldwideDirectory

