

Product Profile

J.T.Baker® Reagents - For use with Mindray™ BC-5300 Analyzer

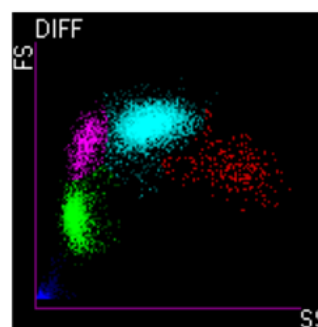
Avantor™ Performance Materials introduces a complete set of new J.T.Baker® reagents for use with the Mindray™ BC-5300 analyzer. The reagents are designed for the Mindray™ 5-part differential hematology analyzer BC5300. The Mindray™ BC-5300 is a quantitative, automated hematology analyzer and 5-part differential counter used in clinical laboratories. It provides 23 basic parameters, 4 parameters for research use, 3 histograms and 1 scattergram of blood samples. It supports 2 measurement modes: CBC and CBC+DIFF.

The semi-conductor laser system collects forward scatter and side scatter information of white blood cells in a flow cell and differentiates lymphocytes, monocytes, neutrophils and eosinophils according to cell size and granule complexity. In addition, basophils are measured in an impedance channel upon lysing action on the RBC and other WBC groups.

The new J.T.Baker® reagents have an excellent performance on all parameters, including the white blood cell differential analysis. A good correlation is achieved compared to the original Mindray™ reagents.

Sustainable Quality and Consistency

The J.T.Baker® reagents for Mindray™ 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 guarantees 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 BC-5300. Comparison against a reference batch is done with fresh, human blood and blood control samples.



Scattergram Mindray™ BC-5300

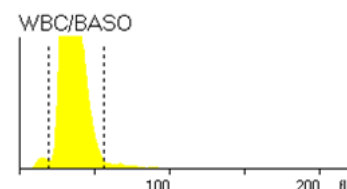


Diagram WBC/BASO Mindray™ BC-5300

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 Reagents and Controls

Customers are advised to use the J.T.Baker® Hematology Controls together with the reagents. BC Diff 5 Control is a tri-level whole blood control preparation, intended for use in Hemocytometry to monitor daily accuracy and precision of Mindray™ hematology instruments. All deliveries are accompanied by assay values for the BC-5300.

The Control contains human RBC, mammalian WBC's and platelets. All cells are suspended in a plasma like fluid. BC Diff 5 Control is manufactured in such a way that it simulates whole blood. The following hemocytometric values may be obtained: tWBC, %NE, %LY, %MO, %EO, %BA, RBC, HGB, Hematocrit, MCV, MCH, MCHC, PLT and all other values directly derived from those listed. BC Diff 5 Control is stable for 3 months. Opened vials remain stable for minimum 2 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.

The J.T.Baker® reagent set product offering for the BC-5300

Reagent	Description	Pack Size	Product Number
Diluent	Diluid M5	20 L	3419.9020PC
Lysing reagent	CyMet LH 53	1 L	2985.1000PE
Diff Reagent	CyMet MD (I) 53	1 L	2984.1000PE
Diff Reagent	CyMet MD (II)	500 mL	3488.0500PE
Cleaner	Proclean MX5	1 L	3498.1000PE
Hematology Controls	BC Diff 5 Control	3.0 mL	3613-3614-3615



Mindray™ BC-5300

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.

Mindray™ is a trade mark of Shenzhen Mindray Bio-Medical Electronics Co., Ltd.



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 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

Netherlands

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

www.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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