

DIAGNOSTICS SOLUTIONS
CLINICAL
CHEMISTRY
REAGENTS AND
ANALYZERS



Avantor™ Performance Materials

is extending the reach of reliable diagnostic solutions to help improve healthcare outcomes and quality of life for a changing world.

Performance Diagnostics for a Changing World

Avantor™ Performance Materials' global diagnostics business has a unique mission: Improve the quality and affordability of diagnostic tools to help benefit the health and well-being of people around the world. We offer:

- *In vitro* reagents and instruments for hematology, clinical chemistry, immunology – ELISA, CLIA and rapid diagnostics tests, histology, microbiology and genetic testing
- Consumables and instruments for life sciences research in academia, government and pharmaceutical labs

Two World-Class Diagnostics Brands

Today, our performance diagnostics solutions include:

J.T.Baker® clinical reagents — for over 30 years, solutions for hematology and histology reagents engineered for maximum performance.

BeneSphera™ diagnostics solutions — providing proven and affordable diagnostic products and systems for applications including hematology, clinical chemistry, immunology, microbiology, and life science.



BeneSphera™

About Avantor™ Performance Materials

Avantor is a global leader in performance materials and chemistries in high-growth specialty chemical markets — including laboratory products, pharmaceuticals, electronic materials and diagnostics. We have seven global manufacturing facilities with certified capabilities such as ISO, cGMP and Six Sigma. Our global diagnostics offering is built on a strong foundation: a passion for quality, innovation and reliability in performance materials.

Our Global Resources

Strong, in-house research & development capabilities — including the ability to develop customized solutions

Global manufacturing capability — seven manufacturing facilities on three continents with certified capabilities (such as ISO, cGMP, Six Sigma) for a strong, responsive global supply chain

Quality infrastructure and culture — a quality culture that includes rigorous testing of every raw material, packaging materials and every batch and accelerated stability and real time testing

Extensive sales & service network — more than 250 distributors in 100 countries worldwide, plus fully staffed customer service centers providing product support, application support, technical support and training.

Regulatory compliance with the following certifications — ISO 13485:2003, ISO 9001:2008, ISO 14001:2004 and European IVD Directive 98/79/EC (CE).

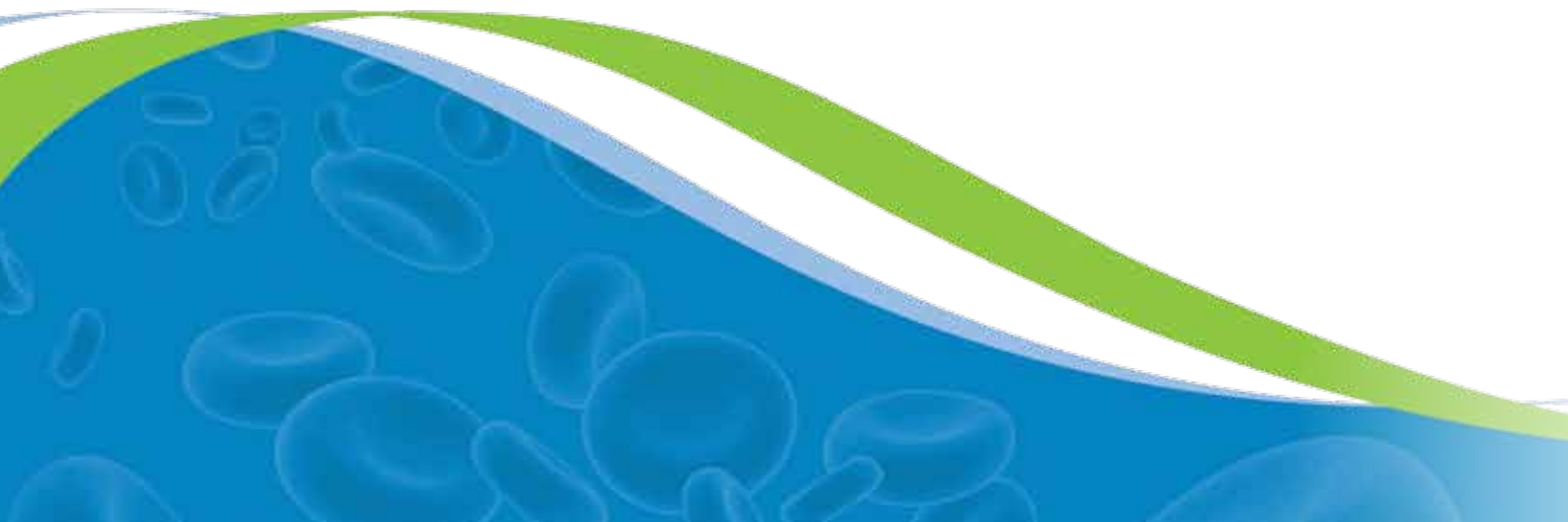


Avantor™ Performance Materials is committed to advancing the quality and effectiveness of clinical chemistries used in diagnostic tools and processes. Our goal is to help healthcare providers worldwide improve the diagnoses of diabetes, liver function, renal function, coronary artery risk, and other life-threatening conditions. Our complete line of general chemistry reagents utilize the most up-to-date formulations available. We also offer the latest technologies for quantitative determination of substrates, enzymes, and electrolytes in human serum, plasma, or urine.¹

Produced using state-of-the-art manufacturing techniques at facilities certified for excellence in quality control, you can count on our BeneSphera™ brand clinical chemistry reagents to deliver efficient, reliable results time after time. Our reagents are compatible with most manual photometric instruments and most semi-automated and automated chemistry analyzers. To complement our general chemistry reagents, Avantor also offers both semi-automated and fully automated analyzers.

Avantor offers the following clinical chemistry products:

- Clinical Chemistry Reagents
- Clinical Chemistry Analyzers



Clinical Chemistry Reagents

BeneSphaera clinical chemistry assays for manual and automated testing use a variety of technologies for quantitative *in-vitro* determination of enzymes, substrates, and electrolytes in human serum, plasma, or urine on photometric systems. Our clinical chemistry assays are designed for high precision and long stability, and use raw materials sourced from manufacturers with uncompromising focus on delivering quality.

Clinical Chemistry Reagents

BeneSphaera test kits are complete kits for use in clinical chemistry applications, containing the reagents as well as the necessary standards and/or calibrators. Liquid-stable reagents have been designed with convenience in mind: they are easy to use and contribute to increased productivity and faster turnaround time in the laboratory environment.

Avantor is consistently expanding the BeneSphaera clinical chemistry portfolio to provide customers with an increased choice of high quality reagents:

BeneSphaera™ brand Clinical Chemistry Test Reagents

Panel	Enzymes	Metabolites	Lipids/Lipoproteins	Electrolytes	Carbohydrates	Proteins
Chemistry	Alkaline Phosphatase	Bilirubin,Total	Cholesterol	Calcium	Glucose	Albumin
	AST	Bilirubin,Direct	Triglycerides	Sodium	Heamoglobin	Total Protein
	ALT	Creatinine	HDL-Cholesterol, Direct	Potassium		
	Amylase	Urea	LDL-Cholesterol, Direct			
	Creatine Kinase NAC	Uric Acid				
	Creatine Kinase MB					
	GGT					

¹ Not all products are available in all regions. Contact your Avantor representative for product availability in your geography.



Chemistry Analyzers

Avantor offers automated and semi-automated analyzers for *in-vitro* diagnostics.

Semi-Automated Chemistry Analyzer

Semi-automated chemistry analyzers are useful for diagnostic and clinical use applications in both standalone and larger laboratories. The compact tabletop design of this analyzer saves space in the laboratory, while the easy-to-use interface helps increase productivity.

Automated Bench Top Chemistry Analyzers

Automated analyzers deliver the versatility and efficiency of a large system, without requiring a large amount of space, to enhance the workflow in an entry level to medium throughput laboratory. All automated analyzers are optimized for use with BeneSphera reagents.

Popular Clinical Chemistry Analyzers include:

- Benchtop Automation – 120 test per hour
- Benchtop Automation – 240 test per hour
- Floor Model Automation – 300 test per hour
- Semi-automated Chemistry Analyzer

Note: Avantor's clinical chemistry analyzers are only available in India. For more information and availability, please contact your local Avantor sales representative.

Key Benefits

- Reagents are compatible with open platform semi- and fully-automated chemistry analyzers
- Ready-to-use reagents are easy to use and enable faster turnaround time in the lab
- Application support and instrument-specific applications sheets available on demand
- Flexible pack sizes



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



BeneSphera™

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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)



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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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