

# DIAGNOSTICS SOLUTIONS IMMUNOLOGY REAGENTS & 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.



## 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 offers a broad range of BeneSphera™ brand Enzyme-Linked ImmunoSorbentAssays (ELISA) and ChemoLuminescence ImmunoAssay (CLIA) reagents to compliment common diagnostics applications and analyzers. BeneSphera™ brand semi- and fully-automated instruments are also available for sale in India and select countries worldwide.

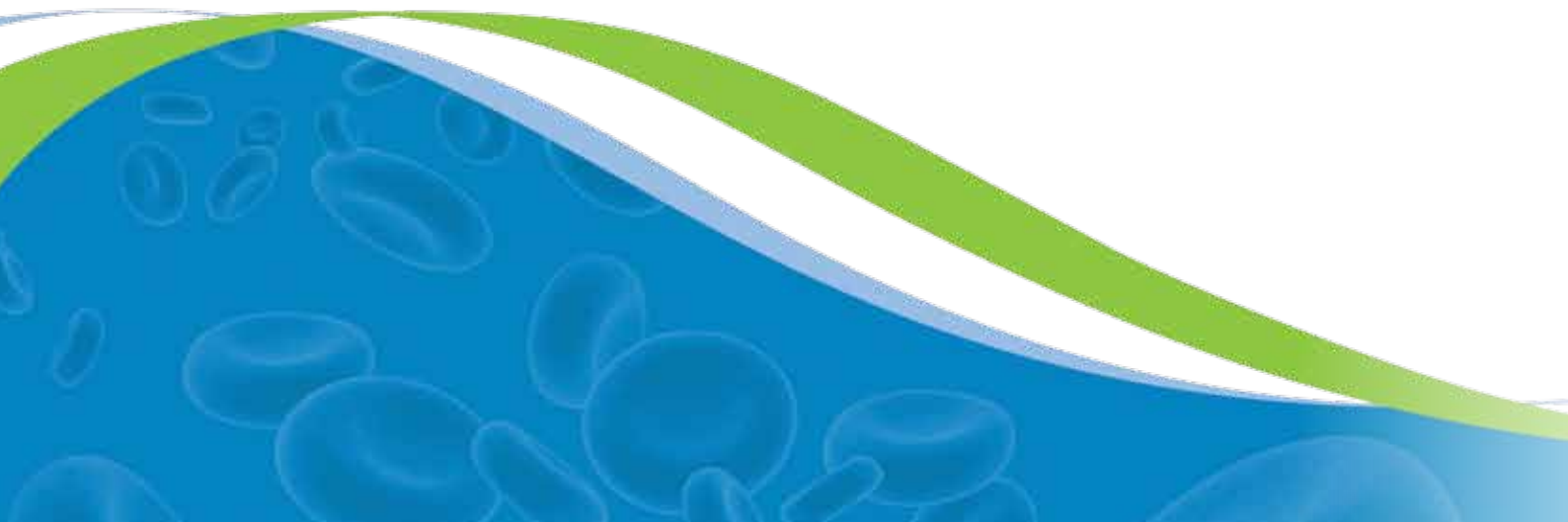


Avantor offers the following immunology reagents and analyzers:

- ELISA Reagents
- CLIA Reagents
- CLIA Semi-automated Luminometer
- ELISA and CLIA Immunology Analyzers (available in India)

### ELISA Reagents

BeneSphera™ brand ELISA kits have been designed to use in common procedures and reagents to simplify automation and deliver specific, accurate results. More than twenty different assays are available for popular brands of semi- and fully-automated ELISA instruments.





### **ELISA Blood Bank Range Kit**

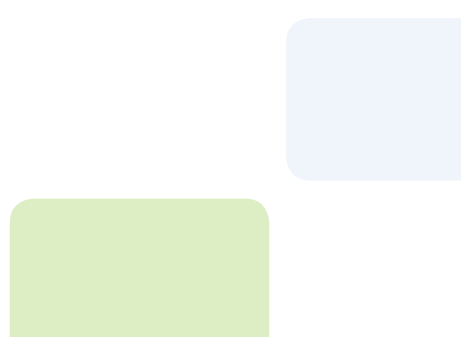
4<sup>th</sup> Generation microplate ELISA kits are blood virus screening tests used to detect antibodies to HIV-1, HIV-2, and HIV1-p24. BeneSphera™ brand blood bank range of kits deliver sensitivity of 99.5% and specificity of 98%, making them an invaluable tool to use when screening blood donors or diagnosing HIV/AIDS in patients. Kits for the detection of Hepatitis B and Hepatitis C are also available.

### **ELISA Thyroid and Fertility Hormones Kit**

BeneSphera™ brand thyroid and fertility hormones kits use streptavidin-biotin technology to ensure excellent sensitivity and specific binding capabilities.

## **CLIA Reagents**

BeneSphera™ brand CLIA reagents offer increased sensitivity and dynamic range, allowing for the detection of analyte with lower concentrations and early diagnosis. When compared to ELISA reagents, CLIA reagents offer simplified protocols coupled with a lower incubation period to streamline laboratory workflow. CLIA reagents can be used to test:

- Thyroid Function
  - Fertility and Pregnancy
  - Tumor Markers
  - Diabetes
  - Hepatitis
- 

## CLIA Semi-automated Microplate Luminometer

Avantor offers an easy-to-use, semi-automated microplate luminometer for diagnostic applications and clinical use. This PC-driven instrument stores all calibration curves and patient results for future reference, eliminating the need for repeated calibrations and ensuring consistent tracking of data.



## ELISA and CLIA Immunology Analyzers

ELISA and CLIA immunology analyzers are automated instruments designed to enhance the productivity and workflow of clinical, research and industrial labs. Automation eliminates the variations that can occur with manual processes, thereby ensuring the rigorous, repeatable analyses required in critical applications, including: immunology, infectious disease, hormone, allergy, blood-chemistry, drugs-of-abuse testing, food safety, forensics, and environmental testing.

Popular ELISA and CLIA immunology analyzers include:

- ELISA Automation 2 Plate and 4 Plate Processors
- CLIA Automation
- Semi-automated Microplate Reader and Washer

*Avantor's ELISA and CLIA immunology analyzers are only available in India. For more information and availability, please contact your local Avantor sales representative.*

## Key Benefits

- Standard assay protocols for faster integration into the busy laboratory, reduced training requirements for technicians, and increased reliability and run-to-run consistency
- Reagents are compatible with Open Platform ELISA Automation
- Breakaway wells and liquid reagents allow for efficient workflow and minimal waste
- Interchangeable reagents allow for flexibility and ease of automated plate processing capabilities



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

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

### Corporate Headquarters

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### 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)