

BeneSphera™ Brand

ELISA PLATE READER

E21



Features and Benefits

- Bi-chromatic optic system with 4 wavelengths
- Plate shaking feature
- 8-channel optic fiber system - get result in just 5 seconds
- Large touch-screen LCD display with optional external mouse
- Large memory to store 500 tests and 10,000 results
- Ability to perform 12 different tests in one plate
- Multi-forms in results output including individual patient comprehensive report
- Optional built-in modem for remote diagnosis and software upgrade

 BeneSphera™

Part of
 AVANTOR™
PERFORMANCE MATERIALS

Technical Specifications

Principle	: Absorbance
Wavelength	: 405, 450, 492, 630nm (more filters, from 400-700nm, on special order)
Measurement range	: 0.000-2.500 Abs
Read range	: 0.000-3.500 Abs
Resolution	
Display	: 0.001Abs
Calculation	: 0.0001Abs
Linearity	: $r = 0.995$
Accuracy	: $\pm 1.0\%$ or $\pm 0.007A$
Precision	: $\pm 0.5\%$ or $\pm 0.005A$
Reading Speed	
Continuous mode	: <5sec
Step by step mode	: <15sec
Test mode	: Single and double wavelength, auto-test
Mixer	: Variable time and speed

Reading Speed	
Display	: 5.7" LCD color display.
Input	: Touch panel and pen or external mouse
Data Storage Capacity	: 500 tests & 10,000 test results
Lamp	: OSRAM 64607, 8V/50W
Operating conditions	
Temperature	: 10°C-40°C
Humidity	: 20%-85%
Store condition	: 20°C-50°C
Output	
Standard	: Internal thermal printer
Optional	: External printer
Dimensions	: L x W x H (mm): 450 x330x140
Weight	: 10KG
Power supply	: AC 110V-250V, 50-60Hz



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.



BeneSphera™



Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors and flat panel displays. 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/avantormaterials](https://twitter.com/avantormaterials)

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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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