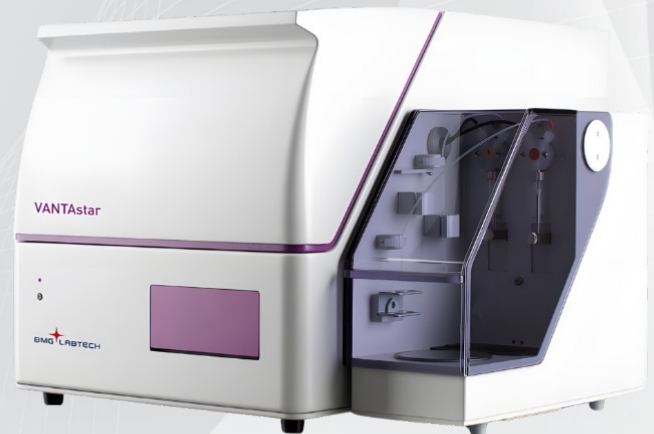




BMG LABTECH

The Microplate Reader Company



VANTASTAR® THE NEXT-GENERATION MULTIMODE MICROPLATE READER.

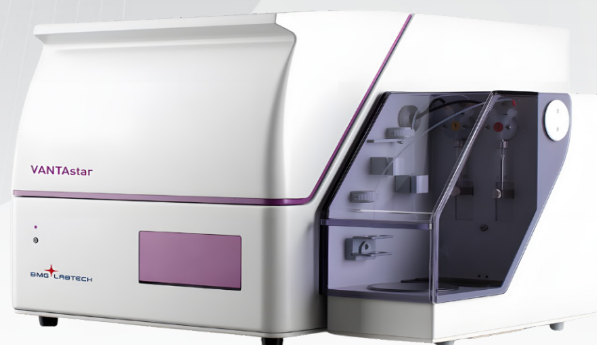
The VANTASTAR® by BMG LABTECH is a high-performance multimode microplate reader designed for versatility, sensitivity, and ease of use. Whether running simple absorbance assays or complex cell-based kinetics, the VANTASTAR's monochromator delivers reliable results with streamlined workflows. Built on BMG LABTECH's proven technology, it combines flexibility with advanced features to meet the demands of modern research in academia, biotechnology, and pharmaceuticals.

DETECTION MODES

- UV/Vis Absorbance (full-spectrum and multi-wavelength)
- Fluorescence Intensity (including FRET)
- Luminescence (flash and glow, including BRET)
- Fluorescence Polarisation/Anisotropy
- Time-Resolved Fluorescence (TRF, TR-FRET)
- AlphaScreen® / AlphaLISA® / AlphaPlex™



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KEY FEATURES

- **LVF Monochromators™:** filter-like sensitivity with full wavelength flexibility
- **Enhanced Dynamic Range (EDR):** detect across 8 orders of magnitude without manual gain adjustments
- **Full-spectrum absorbance:** 220–1000 nm in <1 second per well
- **Auto-focus system:** optimised sensitivity for all plate formats up to 1536 wells
- **Cross-talk reduction:** improved data quality in high-density plate formats
- **Dedicated detectors:** optimised for fluorescence, luminescence, and AlphaScreen®
- **Gas regulation (O₂/CO₂) & incubation:** ideal for live cell assays
- **Automation ready:** robotic integration, barcode readers, FDA 21 CFR Part 11 compliance

BENEFITS

- **Flexibility without compromise:** seamlessly switch between detection modes and assay types
- **Save time:** no manual adjustments, rapid spectral scans, and easy data analysis software
- **Maximise assay performance:** industry-leading sensitivity for fluorescence polarisation, TR-FRET, and Alpha technologies
- **Simplify workflows:** intuitive software (Voyager & MARS) with ready-to-use protocols and automated data analysis
- **Future-proof investment:** modular upgrades ensure long-term value as research needs evolve
- **Trusted quality:** engineered and manufactured in Germany, backed by global service and support

Contact your **Lasec® Sales Representative** today.

Ts & Cs apply

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