

<b>Title</b>	Alphascreen technology-certified multimode plate reader
<b>Purpose of equipment</b>	The Clariostar Alphascreen-certified plate reader gives researchers from academia and industry access to Alphascreen® technology, a recently developed bead-based technology, that enables the semi-quantitative measurement of protein-protein and protein-nucleic acid interactions in multiwell format for a rapid screening of conditions and/or small molecules that modulate these interactions. Assays can be carried out using either purified components or in cell extracts. In addition, the Alphascreen-certified plate reader can be used for other high-throughput assays that require sensitive absorbance, luminescence or fluorescence measurements, such as the high-throughput real-time monitoring of enzymatic activities or bacterial growth in multiwell plates.
<b>Technical Information/equipment Spec.</b>	Continuously adjustable bandwidths (8 to 100 nm) and wavelengths (320 to 850 nm); Combined use of LVF monochromators™ and filters in the same measurement; Full-spectrum UV/Vis absorbance measurements in less than 1 second; Dedicated, high-energy laser for AlphaScreen®/AlphaLISA®/AlphaPlex™; Automated focal Z-height adjustment for top and bottom readings; Includes multi-user control and MARS data analysis software with integrated fluorophore library.
<b>Key responsible investigator</b>	Dr. Martina Schroeder
<b>Location</b>	Bioscience Building, 1st floor

