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press release

TriStar^2 – the new and improved multimode plate reader

Berthold Technologies is ready to present the second generation of its successful TriStar multimode plate reader – the TriStar^2 LB942. The TriStar^2 offers revised optimized optical paths for the reading technologies absorbance, luminescence and fluorescence. Hence TriStar2 has detection sensitivities known from dedicated instruments. Particularly notably is its new enhanced fluorescence performance. The TriStar2 is equipped with a universal and low noise detector for fluorescence and luminescence measurements and a photo diode for absorbance reading.

Optical emission filters can be used in TriStar´s luminescence and fluorescence optics enabling to measure BRET (e.g. functional assays for GPCR research) and multicolour luciferases (reporter gene assays). TriStar^2 can be supplemented with up to 3 reagent injectors – based on the proven and highly precise *JET* technology – and a temperature control unit for the microplates. Two of the injectors are in measurement position enabling to measure precisely very fast flash reactions.

Furthermore there is a reagent tray at the front of the instrument offering easy access and the possibility to cool injector reservoirs by adding ice. For higher throughput TriStar^2 can be equipped with the Stacker unit LB 931 or be integrated into a laboratory automation system.

TriStar^2 offers extensive opportunities to its users and a huge variety of application options including the measurement of enzyme kinetics, phagocytosis, calcium flux, cell viability, apoptosis, immunoassays, protein and DNA concentration and protein-protein interactions.

Get to know our new TriStar^2 and meet us at the Biotechnica in Hannover, Hall 9, Stand E02

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Berthold Technologies has been providing analytical instruments to the research market for more than 60 years and is a family driven company with its headquarters in Bad Wildbad, Germany. The company is offering innovative products to pharmaceutical and biomedical research and diagnostics through a worldwide network of subsidiaries and distributors.

Please visit our homepage for more information:
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