

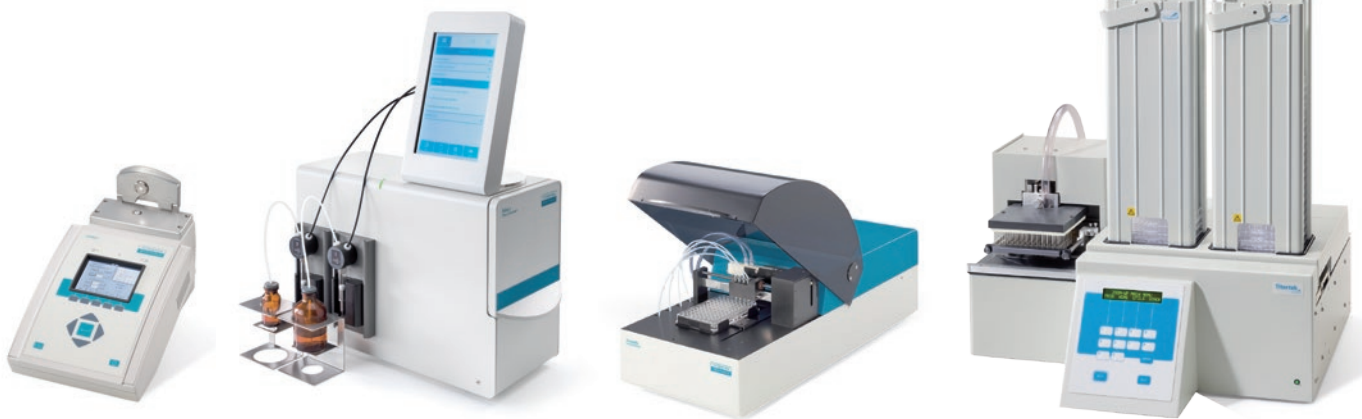


BIOANALYTIC PRODUCT OVERVIEW

Integrated Life Science Solutions

PRODUCT OVERVIEW

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MICROVOLUME SPECTROPHOTOMETERS

Our UV-Vis spectrophotometers have been optimized for the quantification of DNA, RNA and proteins using A260 and A280 (absorbance at 260 nm and 280 nm) and very small volumes of sample (as low as 1 μ L). To assess the purity of the sample, not only the A260/A280 is automatically calculated, but also the spectrum is displayed on the screen, making it easy to notice if the purification was not good enough.

TUBE LUMINOMETERS

State-of-the-art single tube and multi-tube luminometers "Made in Germany" by Berthold Technologies guarantee high quality measurements in a wide range of glow and flash luminescent applications.

ELISA / ASSAY WORKSTATIONS

Microplate assays consist of several biochemical steps which may take minutes to many hours to be performed. The steps can be: dispensing of different reagents, incubating, shaking, bound/free separation by several wash steps and reading. Berthold Technologies offers a unique workstation for the automation and processing of ELISA, luminescence immunoassays (LIA/CLIA), hybridization assays and arrays in microplates.

MICROPLATE WASHERS

Berthold Technologies offers high-end 96-channel microplate washer for 96 and 384 well with or without automated microplate loading by built-in stacker. With the addition of our Dispense Module, the washers become an efficient washer-dispenser combination instrument.



IN VIVO IMAGING SYSTEMS

With over 20 years of experience Berthold Technologies is one of the pioneers of in vivo imaging. This exciting technology changed medical research by providing the option to work under physiological conditions in a living animal. Berthold Technologies offers high-performance optical in vivo imaging systems for the analysis of both, animals and plants.



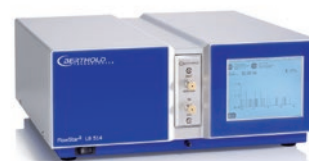
MICROPLATE READERS

Our comprehensive line of reliable Microplate Readers deliver the versatility, sensitivity, precision, dynamic range and throughput you need to solve your complex analytical challenges. Choose from modular or dedicated multi-mode and specialised single mode systems.



GAMMA COUNTERS

The Multi Crystal LB 2111 gamma counter is a compact, robust and easy-to-use instrument for most applications where gamma-emitting isotopes are used. The Multi Crystal LB 2111 gamma counter is available as a 12 detector unit. To increase throughput a second detector block may be added resulting in a 24 detector instrument.



HPLC RADIO DETECTORS

Monitoring of radio-labelled compounds separated by chromatographic techniques has been established as one of the most powerful tools in drug metabolism, environmental and pharmacokinetic studies. With over 50 years of experience Berthold Technologies provides a range of system solutions, known for their sensitivity, specificity and versatility.

BIOANALYTIC SYSTEMS PRODUCT PORTFOLIO

Product Category		Products
Microvolume Spectrometer		Colibri Microvolume Spectrometer
Tube Luminometer	Single Tube	Lumat ³ LB 9508 Tube Luminometer Junior LB 9509 Portable Tube Luminometer Sirius L Tube Luminometer Sirius II Tube Luminometer SmartLine TL Tube Luminometer
	Multi Tube	AutoLumat LB 953 Multi-Tube Luminometer
ELISA / Assay Workstations		Crocodile 4-in-one Assay miniWorkstation Crocodile 5-in-one ELISA miniWorkstation
Microplate Washers		Zoom Microplate Washer Zoom HT Microplate Washer Zoom HT Microplate Coating System
In Vivo Imaging Systems	Animal & Plants	NightOwl II LB 983 In Vivo Imaging System
	Plants	NightShade LB 985 In Vivo Plant Imaging System
Microplate Readers	Multimode	TriStar ² LB 942 Modular Multimode Microplate Reader TriStar ² S LB 942 Modular Monochromator Multimode Reader Mithras ² LB 943 Monochromator Multimode Reader
	Luminescence	Centro XS ³ LB 960 High Sensitivity Plate Luminometer Centro LB 960 Microplate Luminometer Centro PRO LB 962 Budget Microplate Luminometer Orion II Microplate Luminometer
	Absorbance	Apollo 11 LB 913 Absorbance Reader
Gamma Counters		Multi Crystal LB 2111 Gamma Counter
HPLC Radio Detectors		FlowStar ² LB 514 Radio Flow Detector for HPLC HERM LB 500 High Activity Radio Monitor fLumo LB 500 Luminescence & PET Detector

Berthold Technologies GmbH & Co. KG

Calmbacher Straße 22
75323 Bad Wildbad
GERMANY
phone: +49 7081 177 0
email: bio@berthold.com



www.berthold-bio.com

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