

Microplate Readers					
Company/Distributor	Name of Product	Microplate types   Detection modes   Automation	Applications	Miscellaneous, Specialities, Generally	Price [EUR]
<b>Berthold Technologies</b> Bad Wildbad, Germany www.berthold.com Contact: info@Berthold.com Phone +49 7081 177-0	Mithras <sup>2</sup> LB 943	6- to 1536-well, Petri dishes   Absorbance, fluorescence, FRET, luminescence, BRET, TRF, HTRF, fluorescence polarisation, AlphaScreen, AlphaLISA; top & bottom reading   Robot software interface	Reporter gene, GPCR assays, enzyme activities, immunoassays, ELISA, cellular luminescence, calcium, cell viability, cell growth, etc.	Monochromators and filters   4 JET injectors in measurement position   RFID coding of filters   3 PMT detectors   Incubation position with temperature control	From 26,000.-
	Mithras LB 940	6- to 1536-well, Petri dishes   Absorbance, fluorescence, FRET, luminescence, BRET, TRF, HTRF, fluorescence polarisation, AlphaScreen, AlphaLISA   Robot software interface; stacker	Reporter gene, GPCR assays, enzyme activities, immunoassays, ELISA, cellular luminescence, calcium, cell viability, cell growth, etc.	4 JET injectors in measurement position   Dedicated optical path system	From 22,000.-
	TriStar <sup>2</sup> LB 942	6- to 384-well, Petri dishes   Absorbance, fluorescence, FRET, luminescence, BRET   Robot software interface	Reporter gene, GPCR assays, enzyme activities, immunoassays, ELISA, cellular luminescence, calcium, etc.	3 JET injectors in measurement position   One-4-all optical system   Full modularity	From 11,000.-
	Twinkle LB 970	6- to 384-well, Petri dishes   Fluorescence, FRET; top & bottom reading   Robot software interface	Reporter gene, GPCR assays, enzyme activities, immunoassays, calcium, cell viability, etc.	Dedicated fluorescence optics   Temperature control	From 10,000.-
	Apollo 11 LB 913	12- to 96-well   Absorbance	DNA, protein, ELISA, reporter gene	LED light source   Auto self check   Small footprint (~A4)	From 4,200.-
	Centro LB 960	96-, 384-well   Luminescence   Robot software interface	Reporter gene, GPCR assays, enzyme activities, immunoassays, cellular luminescence, calcium, cell viability, etc.	3 JET injectors in measurement position   Temperature control	From 14,000.-
	Centro XS <sup>3</sup> LB 960	See above	Reporter gene, GPCR assays, enzyme activities, immunoassays, calcium, cell viability, cell growth, ATP, etc.	3 JET injectors   Extra-sensitive	From 14,000.-
	CentroPRO	96-well   Luminescence	Reporter gene, enzyme activities, immunoassays, cellular luminescence, etc.	Budget model   Small footprint	From 7,500.-
<b>Bio-Rad Laboratories</b> Hercules (CA), USA www.bio-rad.com Contact: Phone +1-510-724-7000	xMark	6-, 96-, 384-, 1536-well microplates and Terasaki plate   UV/visible absorbance imaging via xenon flash lamp; wavelengths selected with a monochromator with 1 nm resolution	Colorimetric immunoassays, protein measurements, direct measurement of proteins, nucleic acids and oligonucleotides	Wavelength range from UV through the visible spectrum (200-1000 nm)   Spectral scanning   Instrument control and data analysis via user supplied computer (PC or Mac)   Built-in adjustable shaker	Please inquire
	iMark	Flat, U or V bottom 8-, 12-well strips and 96-well plates   Absorbance: 400-750 nm; illumination via tungsten halogen lamp with wavelength selection by optical filters   Automation: No	Colorimetric immunoassays, protein measurements	Stand-alone compact reader with built-in thermal printer and on-board software   Supplied with 6 optical filters	4,545.-
	iMark with software	See above	See above	See above   With Microplate Manager 6 software	5,605.-
<b>Biochrom</b> Cambridge, UK www.biochrom.co.uk Contact: enquiries@biochrom.co.uk Phone +44 1223 423723	Biochrom EZ Read 400 ELISA	Flat, round and v-bottomed 96-well microplates and stripwells with standard ANSI SBS footprints   4 filters that can be used to measure most ELISA assays	ELISAs	Create new plate layouts   Add multiple assays to a plate   Add multiple plates per analysis   Easy to create new methods	Please inquire
	Biochrom EZ Read Research	Flat, round and v-bottomed 96-well microplates and stripwells with standard ANSI SBS footprints   8 filters	ELISAs, total protein, cell proliferation assays	See above	Please inquire
	Biochrom EZ Read 800 ELISA	Flat, round and v-bottomed 96-well plates   4 filters that can be used to measure most ELISA assays	ELISAs	> 5 seconds for 96-well plate   Four modes of shaking	Please inquire
	Biochrom EZ Read 800 Research	Flat, round and v-bottomed 96-well plates   8 filters	ELISAs, total protein, cell proliferation assays	See above	Please inquire
	Biochrom EZ Read 800 ELISA	Flat, round and v-bottomed 96-well plates   4 filters that can be used to measure most ELISA assays	ELISAs	See above	Please inquire
	Biochrom EZ Read 800 Research	Flat, round and v-bottomed 96-well plates   8 filters	ELISAs, total protein, cell proliferation assays	See above	Please inquire
	Biochrom EZ Read LED	Flat, u-bottom, v-bottom 96-well plates   4 pre-installed LEDs for measuring ELISA assays	ELISAs	Measures one 96-well plate in 5 seconds	Please inquire
	Biochrom EZ Read 2000	12-, 24-, 48- and 96-well microplates with standard ANSI SBS footprints   Monochromator optics	ELISA, protein quantitation, cell proliferation and cell survival assays, enzyme kinetic measurements, wavelength scanning, etc.	Monochromator optics for measurements from 340 nm to 800 nm	Please inquire
	Biochrom Asys UVM 340	12-, 24-, 48- and 96-well plates   Monochromator optics	ELISAs, enzyme immunoassays, protein quantitation, cell proliferation, etc.	Reads at any wavelength in 1 nm increments between 340 and 800 nm	Please inquire

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<b>BioTek Instruments</b> Bad Friedrichshall, Germany www.biotek.com Contact: info@biotek.de Phone +49 7136 9680	Cytation3	6- to 384-well microplates, microscope slides, cell culture flasks   Monochromators: FL, Lum, UV-Vis Abs; filters: FL, TRF, FP, LumBioStack and 3 <sup>rd</sup> party automation compatible	Cell imaging and analysis, cell proliferation, cytotoxicity, biomarker quantification, drug discovery, genetic analysis, etc.	Combines automated digital microscopy and conventional microplate detection   Automatic cell counting	From 29,800.-
	Synergy NEO	1- to 1536-well microplates   Fluorescence, time-resolved fluorescence, fluorescence polarisation, AlphaScreen/AlphaLISA, luminescence, UV-visible absorbance   Automation compatible	HTS screening, drug absorption and metabolism, biologics drug discovery and development, drug discovery, etc.	Hybrid optical system: top and bottom filter-based optics   100 mW laser-based excitation for Alpha assays	From 74,490.-
	Synergy H4	1- to 1536-well microplates, PCR plates   Fluorescence intensity, fluorescence polarisation, time-resolved fluorescence, TR-FRET, high-performance luminescence, UV-visible absorbance, Alpha-Screen/AlphaLISA   Compatible with BioStack and 3 <sup>rd</sup> party automation	Nucleic acid quantification, protein quantification, enzyme kinetics, biomarker quantification, ELISAs, genetic analysis, drug discovery, etc.	Hybrid Technology   Quadruple monochromator system and variable band-pass selection	From 35,490.-
	Epoch	6- to 384-well microplates   Absorbance   Compatible with BioStack and 3 <sup>rd</sup> party automation	Nucleic acid quantification, protein quantification, 260/280 and 260/230 purity measurements, ELISA, etc.	Quantify up to sixteen 2 µl volumes of DNA, RNA and proteins   Small footprint	From 7,410.-
<b>BMG Labtech</b> Ortenberg, Deutschland www.bmglabtech.com Contact: headoffice@bmglabtech.com Phone +49 781 969680	Clariostar	Fluorescence intensity, fluorescence polarisation, FRET, time-resolved fluorescence, UV/Vis, absorbance, luminescence, BRET, TR-FRET, AlphaTechnology	Assay development, screening, cell-based assays, DNA/RNA concentration, protein-protein interactions, etc.	High performance reader with monochromators, spectrometer and filters	Please inquire
	Pherastar FS	See above	High-throughput screening, assay development, DNA/RNA concentration, protein-protein interactions, biochemical assays, etc.	HTS microplate reader	Please inquire
	Omega Series	See above	Assay development, cell-based assays, DNA/RNA concentration, protein-protein interactions, gene expression, biochemical assays, molecular biology assays	Upgradeable   Multidetection   Ultrafast UV/Vis spectrometer	Please inquire
	Optima Series	4-5 detection modes possible, including fluorescence intensity, fluorescence polarisation, time-resolved fluorescence, UV/Vis absorbance, luminescence	Cell-based assays, DNA/RNA concentration, protein-protein interactions, gene expression, biochemical assays, molecular biology assays	Upgradable multidetection readers for basic research	Please inquire
	Spectrostar Nano	Absorbance	Colorimetric assays, high throughput screening, DNA/RNA concentration, biochemical assays	Ultrafast full spectrum absorbance reader	Please inquire
	Nepheostar Plus	Nephelometry	Compound solubility, bacterial cell growth, fungal cell growth, immunoprecipitation	Laser-based nephelometer	Please inquire
<b>Brooks Life Science Systems</b> Chelmsford, MA (USA) www.brooks.com/products/life-science-systems Contact: See website	Celigo Imaging Cytometer	6- to 1536-well plates and flasks   Brightfield and fluorescence detection modes   Automation robotics available, on the fly analysis	Imaging applications, In-cell Westerns, cell counts, confluence, growth tracking, etc.	Whole well non-disruptive cellular analysis	Please inquire
<b>Eppendorf</b> Hamburg, Germany www.eppendorf.com Contact: Phone +49 2232 4180	PlateReader AF2200	6- to 384-well format microvolume plate (µPlate G0.5) available   UV/Vis absorption, fluorescence top and bottom, temperature control and shaking function	Nucleic acid and protein quantification (via factor, standards or standard curve), cell based assays (apoptosis, cell viability, etc.), ELISA, kinetics	Clearly arranged and intuitive software   Pre-programmed methods   Factor-based calculation to quantify nucleic acid   Pre-configured & optimised filter slides available   Microvolume plate	Please inquire
<b>Hamamatsu Photonics</b> Hamamatsu, Japan www.fdssdrug.com Contact: See website	FDSS/µCell	96-, 384-well formats   Fluorescence & luminescence assays   Manual platehandling	Cell-based assays, HTS Ca <sup>2+</sup> transients in human iPS safety pharmacology, BRET	Space saving design   Easy to use   High speed assays   Analysis software	Please inquire
	FDSS7000 EX	96-, 384- and 1536-well formats   Fluorescence & luminescence assays   Automation via microplatestackers or full integration in robotic platforms	Cell-based assays, HTS Ca <sup>2+</sup> transients in human iPS safety pharmacology, BRET	Flexible screening platform   Various options   High speed assays   Analysis software	Please inquire
<b>Hidex</b> Turku, Finland www.hidex.com Contact: info@hidex.com Phone +358 10 843 5570	Hidex Sense	1- to 1536-well   Fluorescence, luminescence, TRF, etc.   Up to 32 optical filters	Most common assays	Touchscreen-operated   Integrated dispenser   Shaking and temperature control	Please inquire
<b>Molecular Devices</b> Wokingham, UK www.moleculardevices.com Contact: See next page	SpectraMax Paradigm	6- to 1536-well   Absorbance, fluorescence, luminescence, time-resolved fluorescence (TRF), HTRF-certified, fluorescence polarisation, AlphaScreen/AlphaLISA, Western Blot detection   Automation: Yes	FRET, BRET, AlphaScreen, TRF, nucleic acid and protein quantitation, reporter assays etc.	Multi-mode based system with user-upgradeable application cartridges   ScanLater Western Blot assay	Please inquire

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<b>Molecular Devices</b> (continued) <b>Contact:</b> ukorders@moldev.com Phone +44 118 944 8000	SpectraMax i3	6- to 1536-well   Absorbance, fluorescence, luminescence, time-resolved fluorescence (TRF), HTRF-certified, fluorescence polarisation, AlphaScreen/AlphaLisa, Western Blot detection   Automation: Yes	FRET, BRET, AlphaScreen, TRF, nucleic acid and protein quantitation, reporter assays etc.	Multi-mode monochromator-based system   Imaging cytometer option	Please inquire
	SpectraMax FlexStation 3	6- to 384-well (96- and 384-well with pipetting)   Absorbance, fluorescence, luminescence, time-resolved fluorescence (TRF), HTRF-certified, fluorescence polarisation   Automation: Yes	CatchPoint cyclic AMP assay, CatchPoint cyclic GMP assay, ELISAs, DNA/RNA quantitation, protein assays, fluorescent proteins and FRET, etc.	Multi-mode monochromator-based system with integrated fluidics   8- and 16-channel pipettors	Please inquire
	SpectraMax M5e	6- to 384-well   See above   Automation: Yes	See above	Multi-mode monochromator-based system	Please inquire
	SpectraMax M5	6- to 384-well   Absorbance, fluorescence, luminescence, time-resolved fluorescence (TRF), fluorescence polarisation   Automation: Yes	See above	Multi-mode monochromator-based system	Please inquire
	SpectraMax M4	6- to 384-well   Absorbance, fluorescence, luminescence, time-resolved fluorescence (TRF)   Automation: Yes	See above	Multi-mode monochromator-based system	Please inquire
	SpectraMax M3	6- to 384-well   Absorbance, fluorescence, luminescence   Automation: Yes	See above	Multi-mode monochromator-based system	Please inquire
	SpectraMax M2e	6- to 384-well   Absorbance, fluorescence, luminescence (secondary mode), time-resolved fluorescence (TRF) (secondary mode)   Automation: Yes	See above	Multi-mode monochromator-based system	Please inquire
	SpectraMax M2	See above	See above	Multi-mode monochromator-based system	Please inquire
	F5	6- to 1536-well   Absorbance, fluorescence, luminescence, time-resolved fluorescence (TRF), fluorescence polarisation   Automation: Yes	CatchPoint cyclic AMP assay, CatchPoint cyclic GMP assay, nucleic acid and protein quantitation, ELISA, etc.	Multi-mode based system	Please inquire
	F3	96- to 384-well   Absorbance, fluorescence, luminescence   Automation: Yes	See above	Multi-mode based system	Please inquire
	SpectraMax Plus 384	96- to 384-well   VIS absorbance detection, UV absorbance detection   Automation: Yes	ELISAs & immunoassays, nucleic acid (DNA) quantitation, protein quantitation, reporter gene assays, etc.	Cuvettes & test tubes   Endpoint   Kinetic   Spectral scanning	Please inquire
	SpectraMax Plus 340PC 384	96- to 384-well   VIS absorbance detection   Automation: Yes	ELISAs and immunoassays, protein quantitation, endotoxin detection, reporter gene assays etc.	Endpoint   Kinetic   Spectral scanning	Please inquire
	SpectraMax 190	96-well   VIS absorbance detection, UV absorbance detection   Automation: Yes	See above	Endpoint   Kinetic   Spectral scanning	Please inquire
	VersaMax	96-well   VIS absorbance detection   Automation: Yes	See above	Endpoint   Kinetic	Please inquire
	VMax	96-well   VIS absorbance detection   Automation: No	ELISAs and immunoassays, protein quantitation, enzyme assays, reporter gene assays etc.	Endpoint   Kinetic	Please inquire
	EMax	96-well   VIS absorbance detection   Automation: No	ELISAs and immunoassays, protein quantitation, reporter gene assays, cell viability, proliferation and cytotoxicity, phosphatases/kinases	Endpoint	Please inquire
	Gemini XPS	6- to 384-well   Fluorescence, luminescence, time-resolved fluorescence (TRF)   Automation: Yes	ELISAs & immunoassays, nucleic acid (DNA) quantitation, protein quantitation, reporter gene assays etc.	Endpoint   Kinetic   Spectral scanning   Well scanning	Please inquire
	Gemini EM	6- to 384-well   Fluorescence, luminescence, time-resolved fluorescence (TRF)   Automation: Yes	See above	Endpoint   Kinetic   Spectral scanning   Well Scanning	Please inquire
	SpectraMax L	96- to 384-well   Luminescence   Automation: Yes	ELISAs and immunoassays, reporter gene assays, bioluminescence, resonance energy transfer (BRET), etc.	Endpoint   Dual read   Kinetic   Fast kinetic   2, 4, or 12 injectors	Please inquire
<b>PerkinElmer</b> Waltham (MA), USA www.perkinelmer.com <b>Contact:</b> See website	Victor	Up to 384-well plate format   Absorbance, FI, FP, TRF, TR-FRET, luminescence   Automation: Yes	Biochemical and cellular assays (e.g. Delfia or Lance assays)	Optional injectors   Filter-based single detector system	Starting at 13,000.-
	EnSpire	Up to 384-well plate format   Alpha-Screen/AlphaLISA, absorbance, FI, TRF, TR-FRET, luminescence, label-free   Automation: Yes	Biochemical and cellular assays	Optional injectors   Monochromator based single detector system	Starting at 18,000.-
	EnVision	Up to 3456-well plate format   Alpha-Screen/AlphaLISA, absorbance, FI, FP, TRF, TR-FRET, luminescence   Automation: Yes	Biochemical and cellular assays	Optional injectors   Available as single or dual detector system   Filter-based system	Starting at 44,000.-
	LabChip EZReader	96- or 384-well plates   Microfluidics-based technology   Automation: Yes	Enzymatic assays, e.g. Kinase profiling, epigenetic assays, MOA studies	Allows real-time kinetics   High-quality data	Starting at 149,000.-
	LabChip GX/GXII	96- or 384-well plates   Microfluidics-based technology   Automation: Yes	DNA sizing and quantification, RNA quality assessment, GXII only: protein analysis	Audit trails   Electronic signature controls   Central data repository	Starting at 46,000.-

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<b>Promega</b> Mannheim, Germany www.promega.com Contact: Michaela Mack Phone +49 6218501164 michaela.mack@promega.com	GloMax	Luminescence, fluorescence, UV-visible absorbance, filtered luminescence, BRET and FRET   6- to 384-well microplate multi-mode reader   Automation: Compatibility	Measurement of all common fluorescent dyes, BRET and FRET, quantification of nucleic acid or protein concentration	Superior sensitivity (3 x 10 <sup>21</sup> moles of luciferase)   Broad dynamic range (9 logs)   Low cross-talk   Flexible plate format   Easy-to-use	103,000.-
	GloMax-Multi+	Luminescence, fluorescence, visible absorbance, UV-visible absorbance   6- to 384-well microplate multi-mode reader	Measurement of all common fluorescent dyes, calculating nucleic acid or protein concentration	Affordable modularity   Superior sensitivity (see above)   Broad dynamic range (>8 logs dynamic range)	Please inquire
	GloMax-96	96-well microplate luminometer	Bioluminescence assays for cell health and gene reporter assays	Superior sensitivity (see above)   Broad dynamic range (9 logs)	Please inquire
<b>Tecan</b> Männedorf, Schweiz www.tecan.com Contact: info@tecan.com Phone +41 44 922 81 11	Infinite F50	96-well microplates (including strip-well microplates)   8-channel absorbance   Automation: Yes	ELISA plate reader	LED technology   Green innovation   Low power consumption	Please inquire
	Sunrise	96-well microplates   12-channel absorbance   Automation: Yes	Versatile absorbance plate reader	PC or touchscreen   12 languages	Please inquire
	Infinite 200 PRO Nano-Quant	6- to 384-well plates, cuvettes, NanoQuant Plate   Absorbance   Automation: Yes	DNA/RNA/protein quantification in low, 2 µl sample volume	Quad4 Monochromator technology   Upgradeable	Please inquire
	Infinite 200 PRO	6- to 384-well plates, cuvettes, NanoQuant Plate   Absorbance, fluorescence intensity, FRET, TR-FRET, fluorescence polarisation, luminescence, BRET, AlphaTechnology   Automation: Yes	DNA quantification, gene reporter assays, growth studies, ORAC assay, enzyme kinetics, etc.	Quad4 Monochromator and filter-based technology Environmental control   CNS - remote monitoring	Please inquire
	Infinite F500	6- to 1,536-well plates, NanoQuant Plate   Absorbance, fluorescence intensity, FRET, TR-FRET, fluorescence polarisation; luminescence, BRET   Automation: Yes	Advanced TR-FRET and cell-based assays	High-end filter-based technology   Integrated injectors	Please inquire
	Infinite M1000 PRO	6- to 1,536-well plates, NanoQuant Plate   Multi-channel absorbance, fluorescence intensity, FRET, TR-FRET, fluorescence polarisation; luminescence, BRET, AlphaTechnology   Automation: Yes	Assay development and screening	Premium Quad4 monochromator   Flexible bandwidth   Integrated stacker   Temperature correction for AlphaScreen	Please inquire
<b>Thermo Fisher Scientific</b> www.thermoscientific.com/ platereaders Contact: info. microplateinstruments@thermofisher.com	Multiskan FC	Reads 96- or 384-well plates   Absorbance   Automation compatible	Immunoassays (ELISA), protein assays, endotoxins, cytotoxicity and proliferation assays, enzyme assays and growth curves	Reliable and robust ELISA reader   Large colour screen for easy stand-alone use   Stand-alone or PC control	Please inquire
	Multiskan GO	Reads 96- and 384-well plates, cuvettes and the Thermo Scientific µDrop Plate in microliter-scale measurements   Absorbance   Automation compatible	DNA or RNA quantitation and purity, protein assays, enzyme assays, immunoassays, cell proliferation and cytotoxicity, reporter gene assays	Stand-alone and PC control in multiple languages   Fast spectral and endpoint measurements	Please inquire
	Varioskan	Reads 6- to 1536-well plates   Absorbance, fluorescence intensity, TRF, luminescence   Automation compatible	DNA & RNA quantitation, protein quantitation, immunoassays, cell proliferation and cytotoxicity, cell-based assays, etc.	Free wavelength selection offered by quadruple monochromators   Up to three dispensers for exact follow up	Please inquire
	Fluoroskan Ascent	Reads 1- to 384-well plates   Fluorescence intensity   Automation compatible	DNA & RNA quantitation, protein quantitation, fluorometric immunoassays, cell proliferation and cytotoxicity, etc.	Robust & reliable   Up to three onboard reagent dispensers, shaking and incubation	Please inquire
	Fluoroskan Ascent FL	Reads 1- to 384-well plates   Fluorescence, intensity and luminescence   Automation compatible	DNA & RNA quantitation, protein quantitation, fluorometric and lumino-metric immunoassays, etc.	See above	Please inquire
	Luminoskan Ascent	Reads 1- to 384-well plates   Luminescence   Automation compatible	Reporter gene assays, luminometric immunoassays, cell proliferation and cytotoxicity, etc.	Robust and reliable   Up to 3 on-board reagent dispensers, shaking & incubation	Please inquire
<b>Thermo Scientific VWR International</b> Darmstadt, Germany www.vwr.com Contact: Martin Appuhn martin.appuhn@de.vwr.com Phone +49 15114561004	Multiskan FC	96- and 384-well (incubator option), quartz-halogen lamp 6V/1, 8-position filter wheel, top-reading   Absorption   Robot-friendly	Measurement of absorption in the range of 340-850 nm	Read-out range 0-6 Abs   Optional incubator   Temperature range ambient +4-50°C	Please inquire
	Multiskan Go	96- and 384-well plates, cuvette optional, monochromator with Xenon flash lamp   200-1000 nm in 1 nm steps   Robot-friendly	Measurement of absorption in the range of 200-1000 nm	Read-out range 0-4 Abs   Measurement speed: 6/10 s with 96-well/384-well plate	Please inquire
	Varioskan Flash	6- to 1536-well plates spectral   scanning multi-mode reader combines fluorescence intensity, time-resolved fluorescence (TRF), photometric and optional luminometric detection, Xenon flash lamp, 200-1000 nm	Assay development in a wide range of different applications; options for bottom reading, optional 1-3 dispenser	Easy to use with SkanIt software   Double excitation and double emission monochromators   High sensitivity/dynamic range and precision	Please inquire
	Fluoroskan Ascent	1- to 384-well plates filter reader, top/ bottom reading   Available as Fluoroskan Ascent FL (fluorometer and luminometer); Fluoroskan Ascent (fluorometer) or Luminoskan Ascent (luminometer)   Robot friendly	Fluorometric protein and enzyme studies, molecular interactions, nucleic acid quantification, reporter gene, etc.	Modular system to meet customers' needs   Up to 3 dispensers as option   Photomultiplier tube detector   Incubator and orbital shaker	Please inquire