

Flow Cytometer				
Company	Name of Device	Number of detection parameters and lasers	Miscellaneous, Specialities, Generally	Price [EUR]
<b>Acea Biosciences</b> San Diego (CA), USA www.aceabio.com Contact: Info@aceabio.com Phone +1 858 724 0928	NovoCyte Flow Cytometer	1 to 3 lasers   Up to 15 parameter detections	Exchangeable filters, multiple sampling options and flexible analysis formats   Automated instrument maintenance functions and advanced data analysis capabilities	Contact your local distributor
<b>Apogee Flow Systems</b> Hertfordshire, UK www.apogeeflow.com Contact: info@apogeeflow.com Phone +44 208 123 6831	A50 Micro	Up to 3 spatially separated lasers and 12 optical detectors	Detection limit <100 nm, resolution <10 nm   Fast PCIe data acquisition electronics deliver up to 100 k events per second	On request
	A50 Universal	Up to 3 spatially separated lasers and 12 optical detectors	Absolute count from every sample   Upgradeable at any time to a 3 laser system with 12 optical detectors and an Autosampler	On request
<b>BD Bioscience</b> Franklin Lakes (NJ), USA www.bdbiosciences.com	BD Accuri C6	Blue and a red laser, 2 light scatter detectors and 4 fluorescence detectors	--	On request
	BD Facsverse	Up to 10 parameters	--	On request
	BD LSRFortessa X-20	Up to 5 lasers to detect up to 20 parameters	Compact footprint and height of 76.2 x 73.7 x 76.2 cm	On request
	BD Facsanto II	Up to 10 parameters	--	On request
	BD LSRFortessa	Up to 4 lasers (blue, red, violet, and UV)   Detection of up to 18 colours	--	On request
	BD Facsaria Fusion	Up to 6 laser wavelengths and up to 20 detector positions, to measure up to 18 colours simultaneously	Fully integrated biosafety cabinet	On request
	BD Facsaria III	Up to 6 lasers   Detection of up to 18 colours	Pressure-driven fluidics system	On request
	BD Facsjazz	Up to 3 lasers   Detection of up to six colours	Benchtop cell sorter	On request
<b>Beckman Coulter</b> Brea (CA), USA www.beckmancoulter.com	CytoFlex Analyser	Up to 16 parameters and 3 lasers   Up to 30,000 eps (events/second)	Small footprint and flexibility   Easy-to-use research flow cytometer   Superior sensitivity and resolution   CytExpert software provides intuitive tools for researchers   VSSC parameter for nanoparticle detection	On request
	Gallios Analyser	Up to 12 parameters and 4 lasers   Up to 25,000 eps	Multi-carousel-loader for 32 samples: Kaluza for Gallios Acquisition software, easy-to-learn and easy-to-use at all experience levels   Application-driven auto-set-up for standardisation of complex assays   3 different FSC for optimal submicron particle detection	On request
	CyAn ADP Analyser	Up to 11 parameters and 3 lasers   Up to 70,000 eps	Smallest and fastest flow analyser on the market   HTS plate-loader compatibility (96-, 384-well plates)   Can store up to 100 million events per sample   Ideal for compound screening as well as RARE events measurements	On request
	Aquios CL Load & Go Analyser	7 parameters   1 laser	Fully-automated Load & Go analyser   Random-access-loading of samples via cassette or single-tube-loader   On-board-sample preparation incl. pipetting of blood/antibodies and lysis   Bidirectional LIS-link and complete QC-concept   No user requirement for PMT voltage or compensation adjustments	On request
	Navios Analyser	Up to 12 parameters and 3 lasers   Up to 25,000 eps	Multi-carousel-loader for 32 samples: Navios software with 20-bit data format and compensation matrix for listmode compensation capability   Fully-automated analysis module for Tetra-One (immune status/monitoring)   Application-driven auto-set-up for standardisation of complex assays   3 different FSC for optimal submicron particle detection	On request
	Cytomics FC500 Analyser	7 parameters, up to 2 lasers   Up to 3,300 eps	Multi-carousel-loader for 32 samples: Win7 compatible CXP software with 20-bit data format and compensation matrix for listmode compensation capability   Fully-automated analysis module for Tetra-One (immune status/monitoring) and Stem CXP (stem cell enumeration)   Application-driven auto-set-up for standardisation of complex assays   Multi plate loader for (96-well plates) available as an option	On request
	MoFlo XDP High Speed Sorter	Up to 20 parameters and 6 lasers   Up to 70,000 eps in Sort Mode validated   Up to 100,000 eps in Analysis Mode validated	4-Way-Sort with full mixed-mode sorting capability: Each stream is independent in choice of a specific sort mode   Single-cell deposit on glass slides, as well as in 96-, 384- or 1536-well plates   Highly flexible due to its open structure   Aerosol evacuation system with biohood/biosafety cabinet available as an option   Intelli-Sort II for fully bead-less drop delay determination and monitoring	On request

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<b>Beckman Coulter</b> (continued) Contact: see page 54	MoFlo Astrios EQ High Speed Sorter	Up to 32 parameters simultaneously (up to 49 detectors)   Up to 7 lasers   Up to 70,000 eps in Sort Mode validated   Up to 100,000 eps in Analysis Mode validated	6-Way-Sort with full mixed mode sorting capability: Each stream is independent in choice of a specific sort mode   Single-cell deposit on glass slides, as well as in 96-, 384- or 1536-well plates including Intelli-Sort II module for fully bead-less drop delay determination and monitoring   Aerosol evacuation system with biohood/biosafety cabinet available   Enhanced dual Forward Scatter with unique dynamic range of 0.2-30 $\mu\text{m}$   Simplified and intuitive operation	On request
<b>Bio-Rad Laboratories</b> Hercules (CA), USA www.bio-rad.com Contact: knut_petkau@bio-rad.com Phone +49 1735270025	S3e 1L2D High Speed Cell sorter	1 laser   4 parameters	Including optics, streams, droplets and drop-delay   0.3 m <sup>3</sup> true benchtop, no extra supplies needed   Very easy to use - no dedicated operator   Walk away sorting - monitors sample input and sort output	Approx. 120,000.-
	S3e 2L4D High Speed Cell sorter	2 lasers   6 parameters	Proven technology - 2-way jet-in-air sorting with 99% purity   Sorting event rate up to 30,000/s   Biosafety option available - dedicated containment controlled by instrument software	Approx. 150,000.-
<b>Cytobuoy</b> Woerden, Netherlands www.cytobuoy.com Contact: info@cytobuoy.com Phone + 31 348 688 101	Cytosense	2 lasers, 9 detectors, 72 parameters, pulse profiles and matched images	Extreme particle size range, extreme sample flow range, benchtop, mobile, shipboard	On request
	Cytosub	See above	Submersible instrument, 200 meter max	On request
	Cytobuoy	See above	Cytosense mounted in buoy or other moored platform	On request
<b>Fluidigm Europe</b> Amsterdam, Netherlands www.fluidigm.com Contact: Phone +31 20 578 88 53	CyTOF 2	Up to 34 parameters can be analysed simultaneously at a high acquisition rate in a single tube without the need for compensation	Analyses cells labeled with stable heavy metal isotopes using state-of-the-art, time-of-flight atomic mass cytometry technology	On request
<b>Handyem</b> Québec (Qc) Canada www.handyem.com Contact: Phone +1 855 650 5999	HPC-100 Portable & Personal cytometer	Up to 2 lasers, up to 4 colours   6 parameters	Sheathless microfluidics   Microfluidic flow cell-based on optical fibre technology	On request
<b>IntelliCyt Corporation</b> Albuquerque (NM), USA www.intellicyt.com Contact: support@intellicyt.com Phone +1 505 345 9075	iQue Screener	2 lasers   6 parameters	Maximum of 10,000 events per second   Transforms flow cytometry detection into a true screening platform	Contact your local distributor
<b>Life Technologies</b> Carlsbad (CA), USA www.lifetechnologies.com	Attune NXT	Up to 16 parameters   Up to 4 lasers	Acoustic focusing/rare events detection   Modular and upgradable   Module for no-lyse-no-wash protocol   Module for detection of fluorescent protein	On request
<b>Merck Millipore</b> Darmstadt, Germany www.merckmillipore.com	Muse Cell Analyzer	3 parameters, green laser	Extremely convenient, easy-to-use, compact platform for rapid, simplified cell analysis	14,750.-
	guava easyCyte 5 Flow Cytometer	5 parameters, blue laser	Easy-to-use, affordable, no sheath fluid and low waste benchtop flow cytometer	30,962.-
	guava easyCyte 5HT Flow Cytometer	5 parameters, blue laser	Easy-to-use and affordable flow cytometer with high throughput capabilities for automated 96-well plate or up to 10 tube analysis	44,231.-
	guava easyCyte 6-2L Flow Cytometer	6 parameters, blue laser and red laser	Easy-to-use, affordable, no sheath fluid and low waste benchtop flow cytometer	39,808.-
	guava easyCyte 6HT-2L Flow Cytometer	6 parameters, blue laser and red laser	Easy-to-use and affordable flow cytometer with high throughput capabilities for automated 96-well plate or up to 10 tube analysis	53,077.-
	guava easyCyte 8 Flow Cytometer	8 parameters, blue laser and red laser	Easy-to-use, affordable, no sheath fluid and low waste benchtop flow cytometer	53,077.-
	guava easyCyte 8HT Flow Cytometer	8 parameters, blue laser and red laser	Easy-to-use and affordable flow cytometer with high throughput capabilities for automated 96-well plate or up to 10 tube analysis	69,900.-
	guava easyCyte 12 Flow Cytometer	12 parameters, blue laser, red laser and violet laser	Easy-to-use, affordable, no sheath fluid and low waste benchtop flow cytometer	69,900.-
	guava easyCyte 12HT Flow Cytometer	12 parameters, blue laser, red laser and violet laser	Easy-to-use and affordable flow cytometer with high throughput capabilities for automated 96-well plate or up to 10 tube analysis	95,000.-
	Amnis FlowSight Imaging Flow Cytometer	12 Parameters, up to 4 lasers   20x objective lens	High fluorescence sensitivity   Multi-colour images of every cell for visual verification and image analysis	On request
	Amnis ImageStreamX Mark II Imaging Flow Cytometer	Up to 12 Parameters, up to 7 lasers   40x, 20x and 60x objective lenses	High resolution, multicolour imaging in flow for quantitative image analysis	On request

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<b>Miltenyi Biotec</b> Bergisch Gladbach, Germany www.miltenyibiotec.com <b>Contact:</b> Katja Klütz, Phone +49 2204 8306 3031 macssales@miltenyibiotec.de	MACSQuant Analyzer 10	3 air-cooled lasers   10 parameters	Economical, compact instrument with low energy and buffer consumption, which can measure single tubes, 24-tube racks and 96-well plates   Automated features like calibration, compensation, housekeeping and labelling   Volumetric absolute cell counting is accurate and cost-effective because no need for counting beads   Any networked MACSQuant user can have real-time access to Live Support   0.01% sample carry over analysis rate: up to 10 <sup>4</sup> events/second	On request
	MACSQuant VYB	3 air-cooled lasers   10 parameters	See above   By incorporating a 561 nm laser and eight fluorescent channels, the MACSQuant VYB offers researchers a greater choice of fluorochromes to perform sophisticated multicolour experiments   Analyse up to 5 fluorescent proteins in a single experiment   Analysis rate: Up to 10 <sup>4</sup> events /second	On request
	MACSQuant X (coming soon)	3 air-cooled lasers   10 parameters	See above   384-well plates can be measured   Measurement speed < 15 min per 96-well plate   Easy integration into Thermo Scientific Cytomat and Orbitor systems, as well as major liquid handling systems   Analysis rate: up to 10 <sup>4</sup> events/second	On request
<b>OLS Omni Life Science</b> Bremen, Germany www.ols-bio.de/novocyte <b>Contact:</b> web@ols-bio.de Phone +49 421 2761690 <b>Manufacturer:</b> Acea Biosciences	NovoCyte	Up to 15 parameter incl. FSC and SSC (3-13 colours)   1-3 laser (blue, blue/red, blue/red/violet), customisable and upgradable	Load-and-go: broad signal detection range (24 bit, 10 <sup>7</sup> ) avoids PMT voltage adjustment   Enhanced assay flexibility by exchangeable filters and dichroic mirrors   Increased sensitivity and resolution enabled by novel beam shaping optics and light collection (patent pending)   Absolute direct counting, high accuracy by volumetric fluidics system with real-time monitoring   Intelligent automated cleaning, decontamination, prime and shutdown functionality	Starting from 37,500.-
<b>Peqlab Biotechnologie</b> Erlangen, Germany www.peqlab.com <b>Contact:</b> info@peqlab.de Phone +49 9131 610 7020	Cellometer Vision Image Cytometer	5 fluorescence optics modules	Image cytometer for automated image capture and analysis   5x or 10x bright field and dual channel fluorescent cell counting, viability, intensity, and population analysis   Flow-like data output and interchangeable fluorescent modules   For accurate measurements using a variety of cell types, including cell lines and PBMC	See website
<b>Sony</b> Weybridge (Surrey), UK www.sonybiotechnology.com <b>Contact:</b> Sales_EU@sonybiotechnology.com Phone +44 1932 816000	SP6800 Spectral Analyzer	3 lasers   66 fluorescence channels   FSC and SSC parameters	First commercial flow cytometer, utilizing a 32 channel PMT array and prism assembly to record the complete spectrum (420-800 nm) of a single cell   Advanced spectral un-mixing algorithms to calculate individual dye contributions on a per cell basis   Auto-fluorescence subtraction   High speed acquisition (20,000 events/sec)   Supports applications such as multi-colour immune-fluorescence. Ability to separate strongly overlapping dyes and measure more dyes from a single laser   "FlowPoint" cell positioning parameter for displaying the location (X, Y) of the cell during laser interrogation	On request
	SH800 Cell Sorter	4 lasers   6 colours   Forward Scatter and Back Scatter	Exchangeable microfluidic sorting chips (100 and 130 micron) and sample line   2-way sorting, sorting in multiwell strips or on slides   Single cell deposition system (6- to 96-well plates)   Fully automated laser alignment and sort setup   Small footprint, suitable for integration in a biosafety cabinet	On request
<b>Stratedigm Corporation</b> San Jose (CA), USA www.stratedigm.com <b>Contact:</b> info@stratedigm.com	S1000EXi Flow Cytometer	Up to 4 lasers, 18 colours	Signal retention   Up to 10,000 events per second with optimal fluorescence sensitivity to resolve dim events   Sample injection system delivers carry-over of less than 0.1%	On request
	SE520EXi Flow Cytometer	2 lasers, 6 detectors	Lower price   Point entry system with a 2 laser/6 colour configuration	On request
<b>Sysmex Partec</b> Norderstedt, Germany www.sysmex-europe.com <b>Contact:</b> info@sysmex-europe.com Phone +49 40 527 260	CyFlow Cube 6	Up to 2 lasers   6 parameters, 4 colours	Highest sensitivity of fluorescence (FITC: < 100 MESF, PE: < 50 MESF) and light scatter (< 50 nm) signals   True Volumetric Absolute Counting   Auto-loader available	Depending on configuration
	CyFlow Cube 8 (plus Sorter optional)	Up to 4 lasers   8 parameters, 6 colours	Highest sensitivity of fluorescence (FITC: < 100 MESF, PE: < 50 MESF) and light scatter (< 50 nm) signals   True Volumetric Absolute Counting   Auto-loader available	Depending on configuration
	CyFlow Space (plus Sorter optional)	Up to 5 lasers   16 parameters, 13 colours	Highest sensitivity of fluorescence (FITC: < 100 MESF, PE: < 50 MESF) and light scatter (< 50 nm) signals   True Volumetric Absolute Counting   Auto-loader available	Depending on configuration
	CyFlow Ploidy Analyser	1 or 2 lasers   1-2 parameters, Fluorescence and SSC	DNA quantification with DAPI and PI, Ploidy analysis, genome size determination	Depending on configuration
<b>Zellkraftwerk</b> Hannover, Germany www.zellkraftwerk.com <b>Contact:</b> info@zellkraftwerk.com Phone +1 617 500-8221	ZellScanner One	40 parameters	Chipcytometry: High-speed sequential single-plexing   No spill-over effect   No colour compensation required   Compatible to ZellSafe flow chips   Data export to Flojo	179,000.-
	Cytobot	55 parameters	Fully-automated cytometry system   24/7 operation   Random access   True walkaway automation   4,000 samples/week	780,000.-