

Automated Liquid Handlers and Dispensers

| Company/Distributor | Name of Product | Number of Channels Volume Range | Miscellaneous, Specialities, Generally | Price [€] |
|---|--|---|---|--|
| Analytik Jena Jena, Germany www.analytik-jena.de Contact: Michael Beer Phone +49 3641 779473 michael.beer@analytik-jena.de | GeneTheatre | 1 or 8 0.5 µl to 1,000 µl | Automated, highly flexible benchtop system Customer-swappable pipetting heads Fast dilution series in 96- or 384-well format Reproducible, highly precise pipetting and dispensing results | From 25,000.- |
| | CyBio Selma | 96 or 384 (optional 8 or 16) 0.5 µl to 1,000 µl | No need for programming High precision and accuracy Small footprint Setting and saving of pipetting parameters and methods | From 15,400.- |
| | CyBio-FeliX | 1, 8, 12, 16, 24, 96 or 384 0.5 µl to 1,000 µl | Unique deck design with 12 deck positions on smallest footprint Flexible system configurations for every application Reliable tip sealing technology Automated exchange of tips and format | From 32,000.- |
| Contact: A. Jonetz-Mentzel Phone +49 3641 779476 ariane.jonetz-mentzel@analytik-jena.de | CyBio-Well vario | 96, 384 or 1,536 25 nl to 250 µl | High precision and accuracy 96-, 384- and 1,536-channel simultaneous system Extensive volume range with huge range of different interchangeable pipetting heads Advanced capillary technology for reliable nanolitre pipetting | From 45,000.- |
| Andrew Alliance Vernier, Switzerland www.andrewalliance.com Contact: Sophie Lintermans Phone +41 22 518 0357 contact@andrewAlliance.com | Andrew robot | Single channel 0.1 µl to 1 ml; 10 µl to 10 ml | Pipetting robot using conventional pipettes in a fully automatic way | 25,000.- |
| Beckman Coulter Krefeld, Germany www.beckmancoulter.de Contact: Phone +49 2151 3335 info@beckmancoulter.de | Biomek i7 | 0.5 to 5,000 µl | High-throughput 45 deck positions | On request |
| | Biomek i5 | 0.5 to 5,000 µl | Medium- to high-throughput 25 deck positions | On request |
| | Biomek FX | 0.5 to 5,000 µl | High-throughput 24 deck positions Single or dual pipetting heads | On request |
| | Biomek NX | 0.5 to 5,000 µl | Low- to medium-throughput 12 deck positions Single head | On request |
| | Biomek 4000 | 1 to 1,000 µl | Low-throughput 12 deck positions Interchangeable pipetting tools | On request |
| Berthold Technologies www.berthold-bio.com Contact: Francesc Felipe Phone +34 650407250 Francesc.Felipe@Berthold.com | Zoom Microplate Washer | 96-channel wash head: 5 to 300 µl Optional dispense module: 8 channels, 5 to 300 µl | Compact high-performance microplate washer High precision For 96- and 384-well plates Unique self-emptying vacuum system | On request |
| | Zoom HT Microplate Washer | 96-channel wash head: 5 to 300 µl Optional dispense module: 8 channels, 5 to 300 µl | Integrated stackers for 30 microplates Single rail design for highest throughput Washes up to 250 plates/h (3 x 300 µl) High-precision dispensing for precious reagents Unique self-emptying vacuum system | On request |
| | Crocodile Assay mini Workstation | 4 single-channel reagent dispensers: 5 to 2,000 µl 8-channel wash manifold: 10 to 1,000 µl | Compact workstation: only 26.5 cm wide Dispense, wash, incubate, shake Open system: assays of any manufacturer can be implemented | On request |
| | Crocodile ELISA mini Workstation | 4 single-channel reagent dispensers: 5 to 2,000 µl 8-channel wash manifold: 10 to 1,000 µl | Compact ELISA workstation: only 26.5 cm wide Dispense, wash, incubate, shake Integrated absorbance reader Open system: assays of any manufacturer can be implemented | On request |
| BioTek Instruments Bad Friedrichshall, Germany www.biotek.de Contact: Marina Bruss Phone +49 7136 9680 bruss@biotek.de | EL406 Washer-Dispenser | 8, 16 or 32 500 nl to 3 ml | Combines fast microplate washing with 3 reagent dispensers in one compact instrument Optimised parameters for ELISA, cell- and bead-based assays Compatible with 96-, 384- and 1,536-well plates Easy maintenance with built-in ultrasonic bath | On request |
| | Multiflo FX Multi-Mode-Dispenser | 1, 8, 16 or 32, custom manifolds for 6-, 12-, 24- and 48-well microplates 500 nl to 30 ml | Modular and upgradable Can replace up to four dispensers and a washer Provides single channel dispensing to discrete wells of a 48-, 96- or 384-well plate Cell-friendly, angled dispense and/or wash tubes for sensitive cell-based assays | On request |
| | MicroFill Dispenser | 8 or 16 5 µl to 6 ml | Automated dispenser for 24-, 96- and 384-well standard and deep well plates Low maintenance, reliable operation Intuitive onboard software | On request |
| Brand Wertheim, Germany www.brand.de Contact: Anton. Romaguera Phone +49 9342 8080 Info-ALH@brand.de | Liquid Handling Station | 1 channel: 1 to 50 µl, 20 to 200 µl, 40 to 1,000 µl 8 channels: 1 to 50 µl, 20 to 300 µl | For PCR, qPCR, serial dilutions 8 positions Compact design (60 x 49 x 53 cm) Intuitive software Data import/export | On request |
| | Liquid Handling Station Flow | 1 channel: 1 to 50 µl, 20 to 200 µl, 40 to 1,000 µl 8 channels: 1 to 50 µl, 20 to 300 µl | See above For product protection HEPA filter H14 Horizontal, laminar airflow Air exchange rate 260/h | On request |
| Dunn Labortechnik Asbach, Germany www.dunnlab.de Contact: Kevin Denkmann Phone +49 2683 43094 info@dunnlab.de Manufacturer: Art Robbins Instruments | Scorpion Screen Builder | 1 channel, 0.5 µl to 1,000 µl | Optimisation and reformatting screens Genomic applications and combinatorial compound assays Wide range of viscosities 6 SBS-format positions for plates or tubes (1.5 / 2 ml, 15 ml and 50 ml) | Approx. 75,000.- |
| | Scorpion MicroFish | 1 channel, 0.5 µl to 1,000 µl | Automated MicroFish assay preparation Up to 8 MicroFish assays with 1 µl of cell sample and probe 12 patient samples in 10 minutes Increased quality control by automating probe application Generates test reports showing all patient and probe data | Approx. 98,000.- |
| | Gryphon, Crystal Gryphon, Gryphon LCP, Crystal Gryphon LCP | 96-channel syringe head, 100 nl to 100 µl (further options available) + optional 1-channel Nano protein dispense head (up to 3 channels possible), 50 nl to 100 µl (+ optional 1-channel LCP module, 25 nl to 2 ml) | No disposables, cutting operating costs Modular design allows for custom set-ups Sitting and hanging drop vapor diffusion crystallisation experiments possible 96 flexible Nitinol needles (memory metal) Nano module dispenses 50 nl up to 100 µl with a CV of less than 5% LCP module for seeding and for highly viscous samples with integrated LCP mixing station | From 65,000 up to 165,000 depending on configuration |

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| Dunn (continued) Contact: see page 54 | Crystal Phoenix | 96-channel syringe head, 100 nl to 100 µl (further options available) + optional 1-channel Nano protein dispense head (up to 4 channels possible), 50 nl to 100 µl | No disposables, cutting operating costs Nine assay positions: 6 source or destination plate positions, 2 reagent positions, 1 wash station position Nano module for setting up sitting drops, hanging drops and microbatch reactions Nano dispenser can dispense viscous liquids up to 30 % glycol or 20 % PEG4000 Gradient dispensing possible | From 110,000.- up to 175,000.- depending on configuration |
| | Phoenix for the Chemical Research Lab | 96-channel syringe head, 1 µl to 1,000 µl (further options available) | No disposables, cutting operating costs Ideal dispensing system to work with organic solvents such as Methyl Isobutyl Ketone (MIBK) and Butyl Acetate Glass, stainless steel and a fluoropolymer are the only wettable surfaces 96 channel head compatible with all commonly used chemicals (contact us for further information) Chemically resistant deck | Approx. 78,000.- |
| | Cobra | 1-channel or 4-channel system | Ideal for PCR Master Mix dispensing, biochemical assays and drug development Non-contact dispensing into 96-, 384- and 1,536-well plates, deep well blocks and PCR plates Suitable for cell dispensing into Terasaki plates (only 1-channel system) Dispense any well with up to 4 independent reagents in the same pass Dispense 300 nl to 5 ml using 1 or 4 non-contact nano-dispensers | Approx. 47,000.- Approx. 67,000.- |
| | Refurbished Hydras | 96-channel or 384-channel syringe head, 100 nl to 100 µl (further options available) | High-speed aspirating and dispensing of finite volumes at cost-effective prices Equipped with or without a wash module and a plate positioner Each unit has been inspected and rebuilt by the original "Hydra" design and assembly team | Approx. 22,000.- up to 44,000.- |
| | Reconditioned Automatic Serum Dispenser | 60-channel or 72-channel syringe head, fill volume 10 to 290 µl in increments of 10 µl, Dispense volume 0.5 to 9.5 µl in increments of 0.5 µl | Precision multichannel dispenser Possible to add microliter volumes of serum to all wells simultaneously Automatic operation Display shows remaining serum in the syringes and is automatically updated Remaining serum can be purged back into the tubes to minimise dead volume | Approx. 24,000.- |
| Eppendorf Hamburg, Germany www.eppendorf.com Contact: Phone +49 2232 4180 | epMotion 5070 | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | 4 labware positions, plus waste & unlimited virtual positions Optical sensor checks worktable loading for tips, labware and liquid volumes in vessels Automatic exchange of 2 pipetting tools (calibrated and autoclavable) Compatible with micro- and PCR plates up to 384 wells and tubes from 0.2 ml to 50 ml Easy & fast access: Control epMotion by touch or mouse with easy programming or application specific software assistants | On request |
| | epMotion 5073I | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | Same as 5070 but: 6 labware positions Automatic exchange of 2 pipetting tools and gripper Option for thermal module for heating and cooling Optional UV lamp and HEPA filter | On request |
| | epMotion 5073m | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | Same as 5070 but: 6 labware positions Automatic exchange of 2 pipetting tools and gripper Integrated thermomixer 3D MagSep technology; mixing, temperature control, and magnetic separation in one location | On request |
| | epMotion 5075I | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | Same as 5070 but: 15 labware positions Automatic exchange of 4 pipetting tools and gripper Option for 3 thermal modules for heating and cooling Optional UV lamp and HEPA filter | On request |
| | epMotion 5075t | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | Same as 5075I but: 14.5 labware positions Integrated thermomixer Option for 2 thermal modules for heating and cooling | On request |
| | epMotion 5075m | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | Same as 5075I but: 14.5 labware positions Integrated thermomixer 3D MagSep technology; mixing, temperature control, and magnetic separation in one location Option for 2 thermal modules for heating and cooling | On request |
| | epMotion 5075v | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | Same as 5075I but: 12 labware positions Integrated vacuum pump; silent operation, no tubing and reservoirs to maintain Gripper for plate and labware transport Option for 3 thermal modules for heating and cooling | On request |
| | epMotion 5075vt | 1- and 8-channel exchangeable tools 0.2 µl to 1,000 µl | Same as 5075v but: 12 labware positions Integrated vacuum pump Integrated thermomixer Option for 2 thermal modules for heating and cooling | On request |
| | epMotion 96 | 96-channels 0.5 µl to 300 µl | Electronic pipetting with parallel piston movement for better precision and reproducibility Auto-detect function of tip size Available with 1 position or 2-position slider Intuitive and industry proven software concept and convenient touch screen control Possibility to pre-set labware heights in 2 positions for repetitive tasks or auto-pipetting mode | On request |
| | epMotion 96xl | 96-channels 5 µl to 1,000 µl | See above | On request |
| Gilson Villiers-le-Bel, France www.gilson.com Contact: sales@gilson.com Phone 33 1 3429 5000 | GX-241 | 1 µl to 5 ml | Compact footprint with 2-rack capacity Direct injection module New compact syringe pump Two transfer ports for delivering liquids to off-bed devices | On request |
| | GX-271 | 50 µl to hundreds of millilitres | Jet Wash Rinse technology features a flowing rinse for fast and efficient rinsing protocols Modular design allows the use of Code 20, 200 or 34X series racks A variety of vessels can be accommodated including tubes, vials and microplates in various formats | On request |

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| Gilson (continued) Contact: see page 55 | GX-274 | -- | Four-probe Z-arm increases throughput and efficiency On bed reservoirs allowing access to up to four solvents without utilising a position on the bed Rinse station designed to minimise cross-contamination and sample-to-sample contamination, available with two sets of transfer ports | On request |
| | GX-281 | 2 µl to 100 ml | No need to replace or change syringes to accommodate different volumes and flow rates Continuous flow path design on all injection valves for flow rates up to 200 ml/min Direct injection module features an injection port that is integrated into the valve | On request |
| | Pipetmax | 1 µl to 1,000 µl | Easy configuration with a simple, touchscreen interface For many types of labware and devices: 96-, 384-well microtiter, strip plate, cell culture formats - no special requirements or trays | On request |
| Hamilton Germany Martinsried, Germany www.hamiltonrobotics.com Contact: Phone +49 89 248804 804 infoservice@hamiltonrobotics.com | Microlab Vantage Liquid Handling System | 2-8 single channels, 96 and 384 multi-probe heads Depending on channel 0.5 to 5,000 µl | Flexible and modular Highest process safety User-friendly Highly efficient set-up | On request |
| | Microlab Star | 2-16 single channels, 96 and 384 multi-probe heads Depending on channel 1 to 5,000 µl | 3 sizes - fits every application Modular design User-friendly Highest process safety Can be flexibly configured | On request |
| | Microlab Nimbus | 1-4 single channels, 96 and 384 multi-probe heads Depending on channel 1 to 1,000 µl | Compact and affordable User-friendly Highest process safety Efficient platform | On request |
| Intavis Cologne, Germany www.intavis.com Contact: Phone +49 221 502 94680 info@intavis.com | InsituPro VSi | 2-channel pipetting 10 µl to 10 ml | <i>In situ</i> hybridisation & immunohistochemistry Whole-mounts & slides | On request |
| | DigestPro MSi | 1-channel pipetting 1 µl to 1 ml | In-gel digestion In-solution digestion MALDI spotting ZipTip desalting | On request |
| | ResPep SL | 1 and 4 channels 0.1 µl to 2,000 ml and more | Economical parallel peptide synthesis Peptide array synthesis | On request |
| | MultiPep RSi | 1, 3, 6, 8 and 16 channels 0.1 µl to 2,000 ml and more | High throughput parallel peptide synthesis Peptide array synthesis | On request |
| Labcyte Europe Dublin, Ireland www.labcyte.com Contact: Phone +35 3 1 679 1464 | Echo 524 | 25 nl to 5 µl one well to one well (drop volume 25 nl) | Acoustic liquid handler designed specifically for biochemical and genomics reagent transfer Highly precise and accurate low volume transfers, enabling assay miniaturisation | On request |
| | Echo 555 | 2.5 nl to 10 µl (drop volume 2.5 nl) | Supports the transfer of a broad range of aqueous solutions to support high throughput screening laboratories | On request |
| | Echo 550 | 2.5 nl to 10 µl (drop volume 2.5 nl) | Improved information about compound integrity and improved transfer quality through measurement of DMSO hydration level Elimination of sample and compound loss, cross-contamination, carryover or leachates through the elimination of tips | On request |
| | Echo 520 | 2.5 to 10,000 nl (drop volume 2.5 nl) | Any well to any well enables rapid cherry picking of actives Rapid ejection of 2.5 nl droplets facilitates the use of 96-, 384-, 1,536- and 3,456-well assay plates Fully compatible with lab automation | On request |
| Lambda Laboratory Instruments Brno, Czech Republic www.fractioncollector.info Contact: support@lambda-instruments.com Phone +420 603 274 677 | Omnicoll Fraction Collector & Auto-sampler | Single and multichannels 1 up to 20 simultaneous channels Volume: 10 µl to 30 litres | Unlimited capacity: Any tube rack or container can be used, the capacity can be increased many times by coupling several lower fraction collector parts together | From 3,959.- |
| m2p-labs Baesweiler, Germany www.m2p-labs.com Contact: Octavia Deufel Phone+49-2401-805-344 public@m2p-labs.com | RoboLector L RoboLector XL | 2-4 8 With disposable tips: 15 to 950 µl With washable tips: 10 to 1,000 µl | Standard liquid handling robot combined with microbio reactor BioLector Automated upstream processing Automated sampling, induction and feeding Media preparation DOE (Design of Experiment) | On request |
| PerkinElmer Rodgau, Germany www.perkinelmer.com Contact: Stefan Knabel Phone: 0172 6385875 stefan.knabel@perkinelmer.com | Janus | 4-8 channels; 96-/384-multidispense heads 0.5 to 5,000 µl | 4- and 8-channel Varispan arm; 96 and 384 MDT arm; Gripper; 6-way-valve, 3 deck sizes Special application workstations (e.g. BioTx, NGS Express, Chemagig Prime etc.) | On request |
| | Janus NGS Express | 4 channels 1 to 5,000 µl | Compact liquid handling workstation for automated NGS-Library preparation (pre- & post-PCR) Up to 24 samples per run Open platform with high existing number of NGS-protocols from different kit providers | On request |
| | Janus BioTx | 8 channels; 96-/384-multidispense heads 0.5 to 5,000 µl | Liquid handling workstation for the automation of miniaturised chromatography (RoboColumns, GE PreDictor Plates, PhyNexus Tips and others) | On request |

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| PerkinElmer (continued) Contact: see page 56 | Sciclone NGS | 96-multidispense head 0.5 to 200 µl | Liquid handling workstation for automated NGS-Library preparation (pre- & post-PCR) Up to 96 samples per run (incl. shaker, Peltier-based heating/cooling units, magnet for bead clean up) Open platform with high existing number of NGS-protocols from different kit providers | On request |
| | Zephyr | 96-/384-multidispense head 0.5 to 200 µl | Compact liquid handling workstation; 96- or 384-multichannel pipetting robot, gripper; partial tip loading; special workstations (e.g. NGS workstation, molecular biology workstation, SPE workstation etc.) | On request |
| | Zephyr NGS | 96-multidispense head 0.5 to 200 µl | Small footprint liquid handling workstation for automated NGS-Library preparation (pre- & post-PCR) Up to 48 samples per run Open platform with high existing number of NGS-protocols from different kit providers | On request |
| | Zephyr SPE | 96-multidispense head 0.5 to 200 µl | Liquid handling workstation for automated Solid Phase Extraction (SPE) based on vacuum filtration Contact-free clog detection Up to 96 samples per run, high number of SPE protocols | On request |
| | Zephyr Molecular Biology Workstation | 96-multidispense head 0.5 to 200 µl | Liquid handling workstation for the automation of different RNA- & DNA-applications (extraction, clean up, PCR setup, normalisation etc.) Up to 96 samples per run High number of protocols for different reagent kits | On request |
| | Cell::explorer | 4-8 channels; 96-/384-multidispense head 5 nl to 5 ml | Fully-automatic robotic systems Allows secure, controlled high content, genomic, biochemical or cellular high throughput screening assays | On request |
| Sphere Fluidics Cambridge, UK www.spherefluidics.com Contact: Rob Marchmont Phone +44 1223 804 200 Rob.Marchmont@spherefluidics.com | Cyto-Mine(R) Single Cell Analysis and Monoclonality Assurance Systems | 1 channel Aspirates 1 ml of cells Dispenses approx. 300 pl | Biopharmaceutical discovery Cell line development High-throughput screening | On request |
| Takara Bio Europe St-Germain-en-Laye, France www.takarabio.com Contact: F-X Sicot Phone: +33139046 875 techEU@takarabio.com ordersEU@takarabio.com | Smarter Apollo System | 8 channels 7 to 200 µl | Fully-automated NGS Library prep instrument Preinstalled scripts and dedicated kits for DNA-, RNA-, CHIP-seq Compact, enclosed and complete in benchtop compatible size Unique "in tips" bead purification minimises sample loss and improves consistency Simple workflow with walk-through set-up on integrated touch screen | On request |
| Tecan Deutschland www.tecan.com Contact: Phone +49 7951 94170 info-de@tecan.com | Freedom Evo | Up to 16 single channels 0.5 to 5,000 µl Multichannel head with up to 384 channels 0.5 to 500 µl | Air or liquid displacement technology Disposable tips or steel needles, different sizes (75 cm to 200 cm length) Integration of third party devices possible Suitable for research and diagnostic applications | On request |
| | Freedom Evolyzer | Up to 8 channels 10 to 1,000 µl | Automated ELISA processing, liquid displacement technology Up to 32 SBS-format plates on Freedom Evolyzer 200 | On request |
| | Fluent | Up to 16 single channels 0.2 to 5,000 µl Multichannel head with up to 384 channels 0.25 to 500 µl | Air or liquid displacement technology User-changeable deck segments Automatic gripper fingers exchange High performance, non-contact dispensing 2 µl dead volume with adaptive signal technology in 96-well PCR plate | On request |
| | D300e Digital Dispenser | Multiple channels (software managed) 11 pl to 10 µl | Direct dispensing, eliminating serial dilution Dead volume down to 0.5 µl (T8 cassette, 100% DMSO) Software-supported volumes and concentrations calculation 12- to 1,536-well plates Wizard-supported combinatorial titrations | On request |
| Thermo Fisher Scientific www.thermoscientific.com | Multidrop Combi | 0.5 to 2,500 µl | 6- to 1,536-well plates including 96-, 384-tubes in rack format The visual icon-based graphic display makes it easy to use and programme, even without training | On request |
| | Multidrop Combi nl | 50 nl to 50 µl | Reliable low-volume dispensing High throughput | On request |
| | Multidrop 384 | 5 to 395 µl | Reliable operation, combined with excellent dispensing precision | On request |
| | Multidrop DW | 20 to 995 µl | -- | On request |
| | Versette | 96- to 384-channels 0.5 to 300 µl (depending on the pipetting head type) | Compact size Compatible with interchangeable 96- and 384-channel pipetting heads | On request |
| TTP Labtech Melbourn, Hertfordsh. (UK) http://ttplabtech.com Contact: Phone +44 1763 262626 discover@ttplabtech.com | Mosquito HTS | 25 nl to 1.2 µl | Quick set-up with no washing Simple programming, using the serial dilution wizard Highly accurate and reproducible | On request |