

Bringing
Innovations
Closer to Life



BIO-RAD

BIORAD DROPLET DIGITAL PCR (DDPCR) TECHNOLOGY

Droplet Digital PCR (DDPCR) is a method for performing digital PCR that is based on water-oil emulsion droplet technology. A sample is fractionated into 20,000 droplets, and PCR amplification of the template molecules occurs in each individual droplet. The droplets serve essentially the same function as individual test tubes or wells in a plate in which the PCR reaction takes place, albeit in a much smaller format.

Benefits:

- DDPCR technology provides an absolute count of target DNA copies per input sample without the need for running standard curves, making this technique ideal for measurements of target DNA, viral load analysis, and microbial quantification
- The emulsion-based reaction system means that the PCR reactions can be performed in a standard thermal cycler without complex chips or microfluidics hence leads to lower equipment cost.



BIORAD CFX OPUS 96 REAL-TIME PCR

The CFX Opus 96 Real-Time PCR System puts you on the road to an efficient workflow. Quickly set up runs and easily monitor run progress and analyze data using the comprehensive data management and analysis tools of CFX Maestro Software.

Benefits: Flexible connectivity and data management options for access and transfer of runs and experiment protocols

- Operate in stand - alone mode through flexible connectivity option of wireless network (Wi-Fi) Ethernet and USB
- Access BR io cloud platform for experimental set up and at management at any convenient location with internet access.
- Enjoy continued upper for and control of upto 4 CFX instruments with CFX Maestro Software for Windows7(64-bit), Windows10 (64 bit), and Security Edition.
- Email your completed run.



BIORAD T-100/ C-1000/ S-1000 THERMAL CYCLERS

The T100 thermal cycler is a small thermal cycler offering a comprehensive set of convenient features in a small footprint. This compact thermal cycler features an intuitive touch-screen user interface to make running PCR easy. Thermal gradient technology allows you to quickly optimize your reaction in a single run. With its robust design, the T100 system is a reliable personal thermal cycler that delivers exceptional performance for years. The C1000 Touch thermal cycler offers superior performance and a large color touch screen for easy programming. This fully modular platform is able to accommodate different throughput needs with easily interchangeable reaction modules that swap in seconds without tools.



BIORAD GELDOC GO GEL IMAGING SYSTEM WITH IMAGE LAB TOUCH SOFTWARE

GelDoc Go Gel Imaging System with Image Lab Touch Software

Gel imaging system, includes Image Lab Touch Software and UV/Stain-Free Imaging Tray; additional imaging trays available separately

Image Lab Touch Software Features:

- Quickly set up the GelDoc Go System to capture your image, add notes, and export or print your files
- Easily manage user accounts and set permissions and security options
- Works with Image Lab Desktop Software for deep and accurate analysis of your data



BIORAD CHEMIDOC MP IMAGING SYSTEM

The ChemiDoc MP Imaging System is a full-feature instrument for imaging and analyzing gels and western blots. It is designed to address multiplex fluorescent western blotting, chemiluminescence detection, general gel documentation applications, and stain-free technology imaging needs.

- All-in-one flexible imaging
- Improve your imaging capabilities with the ChemiDoc MP
- Multiplex fluorescent western blotting
- Ease of use
- Stain-free protein normalization



BIORAD ELECTROPHORESIS SYSTEM

Bio-Rad offers a variety of submerged horizontal electrophoresis cells that are ideal for DNA gel electrophoresis. All cells include components for casting gels. The Mini-Sub cell GT and wide Mini-Sub cell GT DNA electrophoresis systems can be used with Ready Agarose precast gels

Benefits:

- Wide Mini Sub Cell GT Cell , includes Sub-Cell unit, 15 x 10 cm UV-transparent tray, gel caster, two 1.5 mm fixed height combs [15 and 20 well]
- Mini-Sub Cell GT Systems, includes gel caster, 7 x 10cm UV Transparent tray, combs (8 well and 15well)
- Mini PROTEAN Tetra Cell, 10 Well, 1 mm thickness, 2-Gel/4-Gel System includes 5 combs, 5 sets of glass plates, casting stand, 2 casting assemblies, sample loading guide, electrode assembly, tank, lid with power cables, mini cell buffer dam.



BIORAD ELECTROPHORESIS POWER SUPPLY

The PowerPac Basic power supply is recommended for basic applications such as submerged horizontal and mini vertical gel electrophoresis.

- Programming in a compact, stackable case
- Timer control and constant voltage or constant current output
- Ability to pause and resume a run

S.No	S.No	S.No	S.No
1	Powerpac Basic Power Supply, Voltage: 10-300 V, Current : 4-400 mA, Power 75 W	1	164-5050
2	100-120/220-240 V, power supply for high-current applications such as western blotting, includes power cord	1	164-5052
3	Powerpac Universal Power Supply 100-120/220-240 V	1	164-5070



BIORAD BLOTTING APPARATUS / TRANS-BLOT

The Trans-Blot Turbo transfer system combines traditional blotting techniques with modern filter paper and buffers, allowing rapid transfer of proteins from gels to membranes with minimal preparation time. The system integrates a high amperage power supply that directs current between a built-in platinized titanium anode and a stainless steel cathode. This enables highly efficient and rapid transfer in as little as 3 minutes. The entire system is in a ready-to-use format that allows researchers to obtain their results faster and easier, with reproducibility that is difficult to achieve using traditional blotting methods.

- Rapid transfer — transfers mini or midi gels in as little as 3 min
- High throughput — can transfer 1-4 mini or 1-2 midi gels in a single run
- Greater transfer efficiency — higher transfer efficiency compared to other transfer methods
- Flexible design — allows user to customize transfer conditions and is compatible with traditional semi-dry consumables
- Environmentally friendly — environmentally safe consumables eliminate disposal cost



BIORAD NGC MEDIUM-PRESSURE LIQUID CHROMATOGRAPHY SYSTEMS

NGC Chromatography Systems are available in preconfigured or custom-configuration options to meet a range of throughput and application needs for analytical and preparative chromatography. Modular components can be easily added to expand biomolecule purification capabilities at the research, process-development, and laboratory-scale levels.

Benefits:

- The Tier Rotate Feature allows optimal placement of valves and detectors to minimize the flow path.
- Point-to-Plumb Feature shows the step-by-step plumbing of the system using LEDs
- The guided fluidics selection tool (patent pending), coupled with the module discovery system, enables a single-click application-based system setup through automated module function recognition.



BIORAD GENE PULSER XCELL ELECTROPORATOR

The Gene Pulser Xcell System is a flexible, modular electroporation system for transfecting every cell type from primary, suspension, and difficult-to-transfect cells, including Tcells, to bacteria and fungi. The system is composed of a main unit, two accessory modules, the capacitance extender (CE module) and the pulse controller (PC module), and a ShockPod cuvette chamber.

Benefits:

- Transfects all cell types, from primary, stem, and Tcells to bacteria and fungi
- Flexibility with your experiment parameters for the highest transfection efficiency and viability
- Uses PulseTrac circuitry and arc-protection features to ensure sample protection and reproducible results



BIORAD TC20 AUTOMATED CELL COUNTER

The TC20 automated cell counter accurately counts cells in one simple step using innovative auto-focus technology and a sophisticated cell-counting algorithm. The TC20 enables accurate mammalian cell counting in less than 30 seconds.



BIORAD ZOE FLUORESCENT CELL IMAGER

The ZOE Cell Imager simplifies fluorescence microscopy with an intuitive touch-screen interface to control the brightfield, three fluorescence channels, and integrated digital camera.



EPENDORF RESEARCH PLUS MECHANICAL PIPETTE

The Eppendorf Research plus mechanical pipette is the result of over 60 years of experience in liquid handling and is one of the most commonly used pipettes in the world. The Research plus is highly ergonomic and protects your health in the laboratory. It features very low weight and operation forces, is extremely reliable, fully autoclavable and easy to use. With a variety of options available, including single-channel pipettes with fixed or variable volume, multi-channel pipette options with 8, 12, 16 or 24 channels, and our Research plus adjustable tip spacing micro-pipettes, we are confident that we can offer the right choice for your application.

- Mechanical air-cushion pipette for accurate, easy & ergonomic pipetting of aqueous solutions
- Enjoy minimal tip attachment forces due to a spring-loaded tip cone that reduces stress without sacrificing tip tightness
- Premium material ensures a high UV and chemical resistance

EPENDORF ULTRA LOW FREEZER F-570

The Eppendorf CryoCube F570 series offers a 5-compartment lay-out and 5 insulated inner doors for easy sample access and safe sample storage at -80 °C. The walls are 130 mm thick based on foam and vacuum insulation panels (for the "h" version). The ULT freezer has a volume of 570 L (20.1 cubic feet) and a temperature range from -50 °C to -86 °C. The CryoCube F570 series is based on three different freezer models:

- CryoCube F570n
- CryoCube F570h
- CryoCube F570hw



EPENDORF CO2 INCUBATOR

Eppendorf has been a trusted laboratory partner to researchers worldwide, providing innovative and quality laboratory products and services. The exceptional results and reliability researchers have come to expect from Eppendorf pipettes, microcentrifuges, and other premium products can be found in Eppendorf CO₂ Incubators. As the epitome of laboratory excellence and consistency, Eppendorf CO₂ incubators provide users with exceptional culture control. For best-in-class performance, durability and time savings choose Eppendorf CO₂ Incubators. Eppendorf CO₂ Incubators make it easy to prevent contamination with their functional, easy-to-clean chamber design and effective dry-heat decontamination

EPENDORF CENTRIFUGE 5430/ 5430 R - HIGH-SPEED CENTRIFUGE

Centrifuge 5430 and 5430 R combines the best features of a microcentrifuge (small footprint) and multipurpose centrifuge (versatility) in one instrument. The high-speed centrifuges offer centrifuge rotors for Eppendorf tubes and PCR strips, but also rotors for microplates and 15 or 50 mL conical tubes.

- Max. rotor capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
- Max. speed: 30,130 × g (17,500 rpm)
- Remarkable versatility with 12 different rotors
- Soft-touch one-finger lid closure for ergonomic operation
- Saves up to 50 user-defined programs.



EUTECH WATER PROOF POCKET PH / COND/ TDS/ SALT/ TEMP/TESTER

Wide-range measurements of pH, Conductivity, TDS, Salinity and Temperature is a breeze with one single instrument made to fit your pocket. The new Testr series is auto-ranging, IP67 waterproof and long-lasting with user-replaceable sensor – ideal for quick measurements in industrial water and wastewater applications.

- pH
- Conductivity
- TDS
- Salinity
- ORP
- Temperature



EUTECH BENCH TOP PH METER -700

Economical, user-friendly and accurate, the Eutech pH 700 is your ideal choice for routine applications in laboratories, productions plants and schools.

- Large, easy-to-read display
- Ready indicator let you know when readings are stable
- Up to 5-point calibration with auto-buffer recognition
- Non-volatile memory holds up to 100 data points

EUTECH MULTI PARAMETER PH, ORP, ION, CONDUCTIVITY, TDS, SALINITY PC-2700

The new PC 2700 is accurate, reliable and intuitive with user-friendly functions. Meter comes with a multi-data screen that includes Temperature, electrode status, calibration points, date and time along with your desired measurement parameter. PC 2700 measures pH, ORP, ION, Conductivity, TDS, Salinity, or Resistivity.

- Choose auto-calibration with preset values for quick easy calibration, or manual multi-point calibration for greater accuracy
- Up to 6-point calibration with auto-buffer recognition
- Includes high performance 4-cell Conductivity probe.



EUTECH PCD 650 WATERPROOF PH / COND/TDS/ SALT/ TEMP/DO/ION MULTIPARAMETER

Combining the strengths of all CyberScan 600 series meters, the CyberScan PCD650 is our top-of-the-line waterproof handheld that enables concurrent measurement of pH, conductivity, dissolved oxygen and temperature, all at the same time.

- Simultaneously measures and displays four parameters
- Selectable multi-point calibration for more accurate conductivity measurements
- Fast and easy DO calibration with 100% calibration option against atmospheric air.

EUTECH TN-100 TURBIDITY METER

The microprocessor-based waterproof TN-100 meter is an easy-to-use turbidity meter that meets the rigor of rugged field applications. It is a must-have for anyone monitoring turbidity on the go. Using an Infrared light source, it delivers laboratory accuracy with a resolution of 0.01 NTU across an extended range of up to 20 NTU (Nephelometric Turbidity Units).

- IP67 Waterproof and Dustproof - Cleaning and maintenance is simple.
- Sturdy Carrying Kit complete with 4 calibration standards, 3 empty cuvettes, batteries and comprehensive instruction manual
- Large Easy-to-Read Display for optimum viewing of measurements with user-friendly message codes for easy troubleshooting.
- Turbidity range: 0-2000 NTU



EUTECH ION 2700 METER

Intuitive, self-diagnostic and flexible with advanced set-up options for user-customization, the Eutech ION 2700 series comes with a large, one-glance-sees-all screen. View pH, ION or Redox reading together with temperature, electrode status, calibration points, date and time all at once!

Bromide	Carbon dioxide/Carbonate
Copper	Fluoride
Cyanide	Sodium
Iodide	Residual Chlorine
Nitrate	Calcium
Silver/Sulfide	Potassium



EUTECH CALIBRATION SOLUTIONS (480 ML BOTTLE)

- pH
- ORP
- TDS
- CONDUCTIVITY
- SALINITY



FISCHER XL-600D BENCHTOP PH/ION/COND/TDS/DO/SALT MULTI PARAMETER

Provide advanced measurements with simple operation and offer a large, vivid color touch-screen display. Fisherbrand accumet XL600 pH/ISE/conductivity/DO benchtop meters offer advanced features with simple operation to help ensure your measurements are reliable and your laboratory processes are efficient. High resolution color display shows data clearly from wide viewing angles and distances. Optimized touch-screen with glass/glass sensitivity provides great ease of use. Onscreen info includes date and time, stability indicator, alarms and context-specific "help" screens.



Palintest

PALINTEST KEMIO™ DISINFECTION

Kemio™ is the next generation measurement platform, delivering the validation you need from a method you can trust. Kemio™ Disinfection enables expert disinfection validation, using an EPA approved method.

- Chlorine, Chlorine Dioxide, Chlorite and PAA (Peracetic acid) testing on one instrument
- Get clear pass/fail results for confident decision making
- Prompt immediate action, generating test results on site in 60 seconds
- A truly simple test method, Kemio requires no user training.
- Automatically stores all results for a complete, auditable dataset
- Suitable for all sample types, Kemio is not affected by colour, turbidity, floating particles or ambient light



PALINTEST SKW500 COMPLETE SOIL KIT

Protecting and managing soil health requires a focus on soil macronutrients and micronutrients. The SKW500 is the complete testing kit for professional soil management.

- **Managing soil health**

The Soiltest 10 covers the 10 most critical water quality parameters, to manage your soil health and optimise your crop.

- **Macronutrients and micronutrients testing**

Test protocols for macronutrients (soil pH, N/P/K), micronutrients and trace minerals including sulfur, manganese and magnesium.

- **Organise your data on the go**

The Soiltest 10 stores up to 500 data sets for full traceability of results.

- **Ideal for field use**

provided in robust carry cases for in field soil testing. Our test kits offer an economical and simple test solution which is ideally suited to in field testing.

PALINTEST WAGTECH POTLAB+

The Potalab+ is the most advanced portable water quality laboratory. With complete digital instrumentation, the Potalab+ delivers laboratory levels of accuracy and is inclusive of digital arsenic testing. The kit is ideally suited to longer-term surveillance and professional monitoring in rural locations.

- High capacity microbiological analysis
- Advanced physico-chemical analysis
- Complete data management



JEIO TECH BATHS & CIRCULATORS HEATING BATHS (GENERAL)

- Temperature range from ambient +7°C to 100°C
- Easy readout digital LED displays
- Dual wait on/off timer modes.
- Low-profile reservoir design.
- Complete safety protection system with warning alarms.
- Low fluid level and dry-running, over-temperature, over-current.
- Splash-proof keypad.



JEIO TECH INCUBATED SHAKER

Incubated Shakers find application in molecular biology, plant and animal cell culture, fermentation, hybridization studies, generic research and drug discovery protocols.

Digital incubating / Refrigerating benchtop shakers

Temperature range: Ambient +5°C to 80°C for IST - 3075 / 4075

Ambient -15°C (min +15) to 80°C for IST - 3075R / 4075R

Incubated Shakers (Floor Standing)

Temperature range: Ambient +5°C to 80°C for ISF - 7100 / 7200

Ambient -20°C (min +4) to 80°C for ISF - 7100R / 7200R

Incubated Shakers (Chamber)

Temperature range: Ambient +5°C to 80°C for ISS - 3075 / 4075

Ambient -20°C (min +4) to 80°C for ISS - 3075R / 4075R

JEIO TECH ROCKING SHAKER CRS-350

- Digital speed control providing gentle to vigorous motion. - Rocking shaker: 5 to 100 rpm
- Easy to adjust tilt angle. - Rocking shaker: 7 to 13°
- Smooth, quiet, uniform, and yet powerful shaking motion
- Compact and lightweight design allow for use in cold rooms or incubators.
- Three types of removable tray for easy transport of wellplates, test tubes, etc.
- Self-diagnostic function identifying errors.
- Its polypropylene main body is highly chemical-resistant and easy-to-clean.



JEIO TECH MICROPLATE SHAKER CPS-350

- Optimally designed to shake four microplates simultaneously. - Ideal for applications that demand precise and repeatable mixing.
- Vivid and colorful vacuum fluorescent display (VFD) with touch-sensitive keypad.
- Smooth start feature to avoid sample contamination.
- Optional tube racks also available for 1.5ml micro-tubes, 15ml conical tubes, and 50ml conical tubes.
- Its polypropylene main body is highly chemical-resistant and easy-to-clean.

JEIO TECH HEATING SHAKER CBS-350

- Microprocessor PID control ensuring consistent shaking motion and precision accuracy.
- Wide speed range from 150 to 1500 rpm (block dependent)
- Automatic temperature calibration.
- Advanced dual wait on/off timer modes
- Low-profile design with rubber feet for minimal vibration and noise.
- Its polypropylene main body is highly chemical-resistant and easy-to-clean.
- Temperature range Amb.+5 - 100 °C



JEIO TECH TEMPERATURE & HUMIDITY CHAMBER (LOW TEMP. TH-G)

- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Advanced performance of low and high temperature and humidity control, achieved by adapting the humidification tank exterior to the chamber, added benefit for long term test.
- Water recycling and filtering system reduce water consumption for longer operation.
 - Air-tight door closure with perfect sealed packing.
 - Heat-resistant silicone packing completely blocks high heat| leakage from the inner chamber.
- Two-point door latch also enhances tightness to door closure.



JEIO TECH OVENS

Ovens from Jeiotech find application in general aging and curing , agriculture genetic, digestion of proteins and starches , general heating / drying , stability and QC testing, out- gassing solids and liquids , vacuum embedding and more.

Forced Convection Ovens

- Intelligent program control
- Microprocessor PID control
- 10 programs available for temperature ramp up and dwell control
- RS-232 interface

Natural Convection Ovens

- Microprocessor PID control / Temperature calibration / Automatic tuning
- Gravity flow convection for uniform sample heating
- RS-232 interface

Vacuum Oven

- Vacuum range:0 to 0.1 MPa.(analog vacuum gauge)
- Microprocessor PID control / Temperature calibration / Automatic tuning
- RS-232 interface



JEIO TECH SHAKERS (PROGRAM)

- Microprocessor PID control maintaining constant speed
- Competitive high shaking speed up to 500 rpm.
- Orbital shaking motion in various diameter.
 - 19mm for SKC-6075/7075
 - 25mm for SKC-6100/7100
 - 50mm for SKC-6200/7200
- Wide speed range even with heavy workload.



VELP BOD ANALYSER

The VELP RESPIROMETRIC Sensor BOD is designed to provide a smart and cloud-enabled solution to laboratories of water and wastewater quality control. BOD (Biochemical Oxygen Demand) Determination is a simple and easy way for monitoring the microorganism's activity in water samples with extremely reliable results.

- **Easy-to-use and Powerful**-The bright 4-digit LED display ensures long battery life in respect of other sensors in the market. Automatic pressure results conversion in BOD.
- **Unique wireless control Data Box and RESPIROSOFT Software** - The respirometric Sensor transmits data directly to the PC enabling real-time monitoring of the analysis curve. Respirometric studies can last days and even months, the unique VELP solution ensures constant monitoring of multiple analysis from an intuitive proprietary software
- **VELP Ermes connection to monitor your sensor and incubator anytime, anywhere** - Real-time visualization of your analysis with graph, even on multiple locations from PC, Tablet and Smartphone. Real-time instrument working conditions. Enhanced application and service support. Access to your analysis database anytime, anywhere.



VELP ECO THERMOREACTORS

Thermoreactors for COD analysis and sample preparation in order to determine both metallic and non metallic elements in organic and inorganic materials.

- Excellent temperature stability and homogeneity
- Settable temperature and time
- Different test tube sizes



ECO 6	ECO 8	ECO 16	ECO 25
6 positions (Ø 42 mm) Settable temperature up to 200°C Digital display	8 pos. (Ø16 mm) + 1 pos. (Ø22 mm) 70,100,120, 150 and 160°C	14 pos. (Ø 16 mm) and 2 pos. (Ø 22 mm) Settable temperature up to 160°C Digital display	25 pos. (Ø16 mm) 70,100,120,150 and 160°C

VELP FOC 120E CONNECT COOLED INCUBATOR

Refrigerated thermostat of 120L that guarantees excellent connectivity and high performance in temperature control with the Auto-Tuning System.

Features:

- Auto-Tuning thermoregulation system ensures optimum thermal homogeneity and stability ($\pm 0,5^{\circ}\text{C}$)
- Eco-friendly cooling system
- Selectable incubation temperature and working range from 3 to 50 °C
- Uniform temperature thanks to VELP ventilation technology
- Low operating costs





VELP MAGNETIC STIRRER WITH HEATING AREC.X

The VELP cutting-edge ceramic heating plate technology ensures temperature homogeneity, thermal efficiency and durable heating performance over time. The AREC.X is the versatile solution for temperature-sensitive laboratory applications where precise thermoregulation of the sample is required. The AREC.X stirs aqueous solutions from 50 up to 1500 rpm being a suitable solution for any type of application at both low and high speed. The electronic control adapts the stirring speed to any change in the viscosity of the medium. The AREC.X ceramic hot plate stirrer ensures a high level of safety and protection for laboratory operators. A "Hot" surface safety message is displayed when the plate temperature is above 50 °C and the heating function is not active.

VELP VORTEX MIXER ZX4

Advanced IR Vortex Mixer - IR Sensor, a VELP Patented Solution VELP Scientifica is the only company in the world to offer a vortex mixer with the innovative and revolutionary IR Sensor, for an outstanding efficiency and exclusive comfort. As soon the test tube is detected, the instrument automatically starts vibrating, without the need for any pressure! Compared with the traditional touch mode, the patented infrared sensor technology ensures a drastic reduction in repetitive strain.

- Variable speed operation, electronically controlled up to 3000 rpm
- Large choice of accessories to suit tubes, plates and flasks
- Universal voltage / frequency model
- Accessories fit by simple pressure
- Optimum resistance to chemicals from technopolymer casing
- Excellent stability with zinc alloy base
- Large, anti-slip rubber feet for staying in required position
- IP 42 protection against particles and liquids
- Designed for the longest lifespan and guaranteed by 3 years warranty



GT SONIC®

GT SONIC-L SERIES LABORATORY ULTRASONIC BATHS

The new GT SONIC L-series ultrasonic baths are the most technologically advanced ultrasonic baths available. Four different unit sizes are available. The programmable features, adjustable power, multi-frequency at 45kHz or 65 kHz, degas function, and super low noise make the L-series units perfect for intensive cleaning applications or for laboratory jobs.

Features

- Super low noise machine. Noise level less than 60 dB.
- Power adjustable: 40%, 70% and 100%, ensures that more fragile, delicate glassware is not damaged.
- Three kinds of different frequencies to meet different cleaning requirements.
- Easy one-button operation and LCD clear display.
- Completely programmable, you can freely set parameters as required.
- High performance of ultrasonic transmission.

Volume

- 2/3/6/9/12/20 Ltrs.



THERMO SCIENTIFIC AQUAMATE 8100 UV-VIS SPECTROPHOTOMETER

This high quality, reliable spectrophotometer incorporates advanced features and functions for the ultimate flexibility in operation. Operators can readily create their own custom methods. An included USB stick contains over 260 preprogrammed methods for easy and convenient measurements using Orion AQUAfast, Merck, CHEMetrics or Hach chemistries. You can download any or all of the preprogrammed methods you want.

- Pre-programmed methods can also be adapted for new chemistries or operators can create their own custom methods and calibration curves
- Instruments allow a one-point adjustment on any preprogrammed method to correct for variations in batch reagent chemistries
- System is compatible with ink jet and laser printers with HP PCL 5 or greater



THERMO SCIENTIFIC SMART2PURE WATER PURIFICATION SYSTEM

Convert tap water to both ASTM Type 1 and Type 2 water with the compact, all-in-one Thermo Scientific Barnstead Smart2Pure Water Purification System. This complete system produces 3 or 6 liters of ultrapure water per hour. The Smart2Pure 3 and 6 feature a built-in 6L reservoir to store the Type 2 water, while the Smart2Pure 12 offers the choice of a 30L or 60L reservoir for customizable storage capacity. Dispensing is easy and features variable speed to control flow. The display can be tilted for optimal reading. Position this system on the bench or mount on the wall.

THERMO SCIENTIFIC ORION STAR T930 ION TITRATOR

Use the Orion Star T930 ion titrator for dedicated ion titrations including salt in foods, chloride in drinking and wastewater, ammonia and Total Kjeldahl Nitrogen (TKN) of wastewater, surfactants in consumer products and total hardness of water. Titration techniques include equivalence point titrations and preset mV endpoint titrations plus multiple known addition (MKA) mode. Using MKA mode, the titrator performs an automated calibration and calculation of sample concentration by adding aliquots of standard to sample, removing the need for a separate calibration and minimizing matrix effects.



OPTIKA B-190 TBPL- TABLET MICROSCOPE

Digital binocular microscope ideal for teachers and secondary schools, with four N-PLAN objectives (1000x), FN 18 high eyepoint, finite optical system, coaxial focusing, mechanical stage, Abbe condenser and powerful, uniform, white color temperature 3 W X-LED2 illumination. The 3.1 MP CMOS camera ensures excellent colour reproduction and is connected to a Windows tablet PC with vivid color graphic display for unparalleled comfort and performance. The tablet represents a 2-in-1 solution as it can be disconnected and used as a real PC, being Windowsbased, with powerful Intel processor and large touch screen of 10.1" for fast, responsive and smooth control.



OPTIKA B-383PLI - RESEARCH MICROSCOPE

Trinocular head with IOS N-PLAN (infinity corrected) objectives, rackless stage and exclusive X-LED3 for incredibly bright illumination. Coaxial coarse and fine focusing mechanisms with limit stop to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob. : Double layer rackless mechanical sliding stage, 150x139 mm, 75x33 mm X-Y movement range.

OPTIKA B-510 POLI POLARIZING MICROSCOPE

Advanced routine laboratory microscope for transmitted light in brightfield and polarized light observations with strain-free IOS W-PLAN POL objectives. Complete of polarizer and analyzer filters, Bertrand lens for conoscopic observation, compensator plates and high-precision rotatable stages. It comes with the exclusive X-LED3 illumination system to deliver bright and clear images, along with all the accessories to perform accurate polarization analysis in biology and materials science.



OPTIKA SFX-31 BINOCULAR STEREOMICROSCOPE

Cordless binocular stereomicroscope ideal for students, schools and amateurs to dissect and discover mainly biology and materials science in 3D, with turnable objective (2x-4x), FN 20 eyepieces, pillar stand and 1 W LED transmitted / incident illumination with rechargeable batteries. Slim and easy to carry, it is equipped with long lasting LED illumination to provide over 20 years of use.

OPTIKA IM-3LD4D LED INVERTED FLUORESCENCE MICROSCOPE

Advanced fluorescence inverted microscope for transmitted brightfield and fluorescence observations with IOS U-PLAN objectives. The extremely powerful LED Fluorescence Illuminators are combined with corresponding excitation filter sets for the visualization of most fluorochromes. LED fluorescence ensures unparalleled convenience eliminating warm-up/cool-down times and all the inconveniences related lamp replacement and adjustment. Transmitted light through the exclusive X-LED8 to ensure great-looking, rich and high-quality specimen view. This model is equipped with an Intel micro PC, a 12" screen, a 6Mpx high-sensitivity color camera, Optika ProView image analysis software for fluorescence and wireless mouse and keyboard.



OPTIKA B-383MET TRINOCULAR METALLURGICAL MICROSCOPE

Brightfield upright microscope with IOS W-PLAN MET objectives and metallurgical attachment combining the exclusive X-LED3 lighting source both for incident and transmitted illumination. The NCG (no cover glass) objectives are especially designed for microscopy use without a cover slip ideal for metallographic samples and other opaque specimens.

GENERAL FEATURES

OPTICAL SYSTEM & OBJECTIVES:

The models of the B-380 series are equipped, depending on version, with two different types of optical systems.

MICROSCOPE STAND:

Modern and ergonomic, this stand is made of die-cast aluminum. Coarse and fine focusing (graduation: 0.002mm) with coaxial control knobs. Adjustable focusing tension and limit stop.

HEADS:

The heads are equipped with interpupillary distance control (55-75 mm) as well with dioptric compensation. All heads are 360° rotatable and 30° inclined.

ILLUMINATION:

The illuminating system consists of X-LED source.

OPTIKA CAMERAS

B-SERIES

Cameras have become indispensable nowadays and OPTIKA is offering a line of remarkable solutions for digital imaging. OPTIKA B Series represents a cost-effective solution equipped with the latest technology sensors with more vivid colors and great contrast for stunning images.

C-PGS-SERIES

Professional yet very easy to use cameras with several resolutions (5MP), large SONY EXMOR CMOS sensor, USB3.0 connection and Global Shutter mode. Global Shutter mode can be easily thought of as a 'Snapshot' exposure mode, perfect for capturing images of moving objects and enabling 'freeze frame' capture of fast changing events, exposing each and every pixel simultaneously.

CH4K-HDMI

Professional ultra-high definition yet very easy to use 4K camera with 2160p, 8 MP resolution, large SONY CMOS sensor and HDMI connection to clearly reveal the sample's finest details on-screen and perform measurements. No software installation is required with image and video capturing on SD card when in HDMI mode.



AND JAPAN ANALYTICAL BALANCES HR 250 (01 MG.) / GR202 (0.01 MG.)

These balances are easy to use and calibrate and adjust their settings based on environmental changes. Balances feature a larger weighing chamber and smaller footprint than conventional analytical balances.

- Semi-micro, 0.01 mg readability up to 51 g (HR-202i)
- Adjustable response characteristics to help cope with the effect of drafts and vibrations
- Anti-static glass breeze break with a thin evaporated metal coating



AND JAPAN MICRO ANALYTICAL BALANCES BM SERIES

The A&D Weighing BM-20 Micro Balance is ideal for a laboratories requiring extremely precise measurements and sample data management. Internal memory can store up to 200 sets of weighing data and 50 sets of calibration data and the included AD-1688 can store up to an additional 5000 data points.

- A built-in fanless ionizer that allows for instant removal of destabilizing static electricity from the sample and container
- Includes four 0.001 mg readability models to be selected for different purposes
- Comes equipped with the AD-1676 tabletop breeze break (medium) as standard (BM-5/5D/20/22)



AND JAPAN MOISTURE ANALYZERS MS-70 / MX-50 / MF-50 / ML-50

A moisture analyzer is a device that determines the moisture content with the loss on drying method and consists of a weighing and halogen heating unit. It suits the needs of quality control and production in food, pharma, chemical and other industries. Benefit from: Accurate results through precise weighing and temperature control; Intuitive operation with step-by-step user guidance.

- Low moisture content measurement at 10 ppm (0.001%) readability (MS-70)
- Fast and uniform heating with halogen lamp and innovative Secondary Radiation Assist (SRA) technology
- Accuracy verification with Sodium Tartrate Dihydrate (standard with MS-70, MX-50, and MF-50)





OMNI SONIC RUPTOR ULTRASONIC HOMOGENIZER (PROBE SONICATOR)

The Sonic Ruptor 400 is a complete sonication system that offers precision engineering and a complete set of accessories to accommodate a wide array of applications. The sonicator system features a powerful 400 watt power supply capable of particle size reduction in volumes up to 1 L. The Sonic Ruptor 400 enables full amplitude control from 0-100% and is compatible with sonicator horns ranging from 1/8" to 1". The sonication system is used for popular applications including nanoparticle dispersion, creating emulsions, cell disruption and homogenization.

Features:

- Variable power to 400 watts
- Process 250 µl to 1 L
- Automatic tuning for easy interchange of probe tips

OMNI BEAD RUPTOR ELITE

The Bead Ruptor Elite is the most advanced and easy to use bead mill homogenizer available. It is specifically designed for grinding, lysing, and homogenizing biological samples prior to molecular extraction.

- Wide range of accessories for any sample size - 24 x 0.5 mL, 24 x 1.5 mL, 24 x 2 mL, 12 x 7 mL, 3 x 15 mL, 6 x 30 mL, 3 x 50 mL, or 96-well strip well tubes.
- Most powerful bead mill on the market – homogenize the most challenging samples
- New touch screen interface. Sample Preparation at your fingertips.



OMNI TISSUE HOMOGENIZER GLH850

The Omni GLH 850 General Laboratory Homogenizer is a powerful 850 watt homogenizer that was specifically designed to disrupt a wide range of samples in volumes ranging from 200 µl to 5 L. The Omni GLH is compatible with stainless steel generator probes ranging in diameter from 5 mm to 30 mm and 7 mm Omni Tips. The GLH quickly and efficiently processes a wide variety of sample and the 850 watt motor is capable of processing even the toughest samples.

- Powerful 850 watt motor
- Variable speed from 5,000 to 25,000 rpm
- Volume range from 200µl to 5L
- Quiet operation
- Compatible with Omni Tip plastic generator probes

OMNI MIXER

The Omni Mixer Homogenizer is a powerful 600 watt homogenizer that is compatible with a wide range of generator probes, blade assemblies and sealed containers to offer the perfect mix of dependability, versatility and power. The Omni mixer is ideally suited for homogenizing, blending and creating emulsions. The Omni Mixer is compatible with stainless steel generator probes ranging in diameter from 10 to 30 mm and glass, plastic or stainless steel chambers from 13 to 1360 mL with sealed generator probes or blades.



PERKIN ELMER QUANTUM GX2 MICROCT IMAGING SYSTEM

The Quantum GX2 micro CT scanner is a true multispecies preclinical imaging system, offering the flexibility to enable longitudinal in vivo imaging as well as ex vivo sample scanning. With a 163mm imaging bore, an entire rabbit can be placed inside the scanner for in vivo scanning, while the 18mm FOV allows for high resolution scanning of ex vivo samples.

- High resolution (2.3 micrometer voxel size)
- High-speed (scans as fast as 3.9 seconds)
- Low-dose imaging for longitudinal in vivo studies



PERKIN ELMER VICTOR NIVO MULTIMODE PLATE READER

The VICTOR NIVO system's software has a modern, workflow-oriented user interface which is easy to learn and use and includes pre-written application protocols to get users productive quickly. In addition, MyAssays Desktop Standard software is provided for data analysis. The VICTOR Nivo system is a high-performance filter-based multimode microplate reader equipped with all major detection technologies:

- Absorbance
- Luminescence
- Fluorescence intensity
- Time-resolved fluorescence
- Fluorescence polarization
- Alpha



HORIBA HORIBA WQ-330 PH/MV/ION/COND/ SALINITY/TDS/RESISTIVITY/TEMP WATER QUALITY METER

The LAQUA WQ-300 Series smart handheld water quality meters is applicable for dual- and triple channel models.

- Triple channel
- Large colour graphic LCD screen (70 x 52 mm) with backlight
- Built-in foldable meter stand
- Battery and USB powered
- Eco-friendly, shock-proof, scratch-resistant, and non-slip
- Built-in sensor holders
- Efficient sensor locking mechanism
- No sensor adapter needed for attaching multiple sensors together
- Optical DO, wifi data transfer



HORIBA U-53 MULTIPARAMETER

- Easy to read LCD display
- One-hand operation
- On-screen icon displays battery power, USB and probe unit connectivity
- Quick-connect connector (cable to control unit)
- Shock resistant cover
- Backlight display
- Ultra-sensitive turbidity sensor
- GPS
- Depth 30 Mtr.



-86 BLUE STAR ULTRA LOW TEMP DEEP FREEZER

- Temperature control between -40°C to -86°C
- SS-304 Stainless steel interior and painted steel panel exterior.
- Press Key control panel with Thermal printer. (DW-HL 100, DW-HL218)
- Touch Pad with USB 1 Year data storage (DW-HL398S, DW-HL528S, DW-HL678S, DWHL778S, DW-HL858S, DW-HL 10085)
- Direct cooling system
- Battery back-up for display & alarm systems.



-25°C UPRIGHT DEEP FREEZER

- Microprocessor controller for precision temperature
- Audio and visual safety alarm system
- Aluminium plate for inner cabinet and painted steel for external body
- Safety door lock
- Direct cooling system
- Drawers for easy storage
- Chart Recorder (Optional)
- Eco-friendly R600a refrigerant
- DW-YL90H, DW-YL270H, DW-YL450



-40°C UPRIGHT FREEZER

- Microprocessor controller for precision temperature in the range of -10°C to -40°C.
- Audio and visual safety alarm systems with password protection configuration page.
- Aluminium plate for inner cabinet and painted steel for external body
- Safety door lock
- Direct cooling system
- Drawers for easy storage
- DW-FL90G, DW-FL270G, DW-FL450G, DW-FL528G



2-8°PHARMACY REFRIGERATORS

- Microprocessor Controller, Digital LED display
- Built-in USB data logger - Temperature data storage
- Condenser-Inside, ventilated free maintenance
- Triple Main Doors (Double layered glass) with Key lock
- Castor wheels mounted at bottom for transportation
- Interior illumination with LED lighting
- YC-315LH, YC-520LG, YC-1015L



SARTORIUS MD8 AIRPORT

MD8 Airport is the air sampler for the pharmaceutical industry, biotechnology, food and beverage industry, for hospitals, and for measurements within the scope of environmental protection and occupational safety

- Benefits offered by Sartorius MD8 Airport: Battery operated and portable - so it can be used - everywhere
- Battery power level clearly indicated so constant- performance during sampling is guaranteed
- Ergonomically designed and easy to clean
- User friendly prompting with the option of four - languages: English, French, German and Spanish
- Flexible options for customized use including - adjustable air throughput and air flow rate
- Parameters last used are stored even after - automatic shut-off



SARTORIUS MECHANICAL PIPETTES

Mechanical pipettes are appreciated for their ergonomics, ease of use, and reliability. As a result, they are widely used for various liquid handling tasks in pharmaceutical laboratories, research institutes, universities, healthcare and industrial laboratories, where they help you to perform your manual pipetting easily and accurately.



Tacta Perfectly balanced	Tacta makes pipetting effortless and safe, while producing accurate and reliable results time after time. Tacta is comfortable to use due to the ergonomic handle and low pipetting and tip ejection forces. The unique Sartorius Optilock system provides flexibility for volume adjustment and locking. Volume display is large, clear, and facing the user.
Proline Plus	Proline Plus combines durable construction with ease and lightness of use, and it is a perfect choice for pipetting professionals and beginners. Proline Plus offers the widest selection of different models, from Proline Plus pipettes are easy to clean with only few parts to disassemble and fully autoclavable when sterilization is needed.
Mline	Classic Mline with good ergonomics and light operating forces provide excellent performance. Volume locking with two-handed adjustment ensures no accidental volume changes.
Proline	Our most affordable mechanical pipette, Proline, is suitable for universities and is cost-efficient, yet practical and reliable.

ANTECH MAGNETIC STIRRER WITH HOT PLATE, MODEL : AN - MSH - 680\

Double LED Digital Hotplate Magnetic Stirrer stainless steel with ceramic coated hotplate temperature to 280°C, S. Africa plug, 100-240V/50Hz/60Hz.

- Digital control system is ideal for applications of analytical and biological laboratory.
- Temperature up to 280 °C
- Electronic speed control, the max speed is 1500rpm.
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratchproof
- External temperature sensor PT1000 is available and control accuracy of ± 0.5 °C, real-time control medium temperature.
- LED display temperature and speed.



ANTECH AN-C-1008B EZEE MINI CENTRIFUGE

Mini Centrifuge with Dragon Lab blue lid, including two rotors of A08-2 & A02-PCR8, South Africa plug 220v/50Hz/60Hz

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 7000rpm fixed speed
- Equipped with 2mL x 8 and PCR8 x 2 rotors
- Quiet running, noise level ≤ 45 dB
- Rotor change without tools
- Accelerates and brakes in seconds
- Four colors with green, blue, yellow and pink
- Multi-voltage



ANTECH VORTEX MIXER, MODEL NO : AN - MX - 100

- Touch and continuous operations
- Speed range of 0-2500rpm, steeples speed regulation
- Used for various mixing applications with optional adapters
- Specially designed vacuum suction feet for stability to the work surface and prevent the unit from movement
- Aluminum cast base avoids unnecessary "Walking"
- Orbital shaking



BIO-RAD


PerkinElmer

 **JEIO TECH**



BIOPLEX



PERKIN ELMER HPLC SYSTEM



**JEIO TECH LAMINAR
AIR FLOW**

 **JEIO TECH**

HORIBA

HORIBA



JEIO TECH FUNNEL SHAKER



**HORIBA OIL CONTENT
ANALYZER OCMA-500**



**HORIBA POCKET ION METERS
(SODIUM/POTASSIUM/
NITRATE/CALICIUM)**

**EUTECH
INSTRUMENTS**
Technology Made Easy ...

 **AQUAREAD**

HORIBA



DO 450 KIT



AP-7000



**HORIBA POCKET ION METERS
(SODIUM/POTASSIUM/
NITRATE/CALICIUM)**



Crescent

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