

COLUMNS & CONSUMABLES

GENERAL LAB INSTRUMENTS

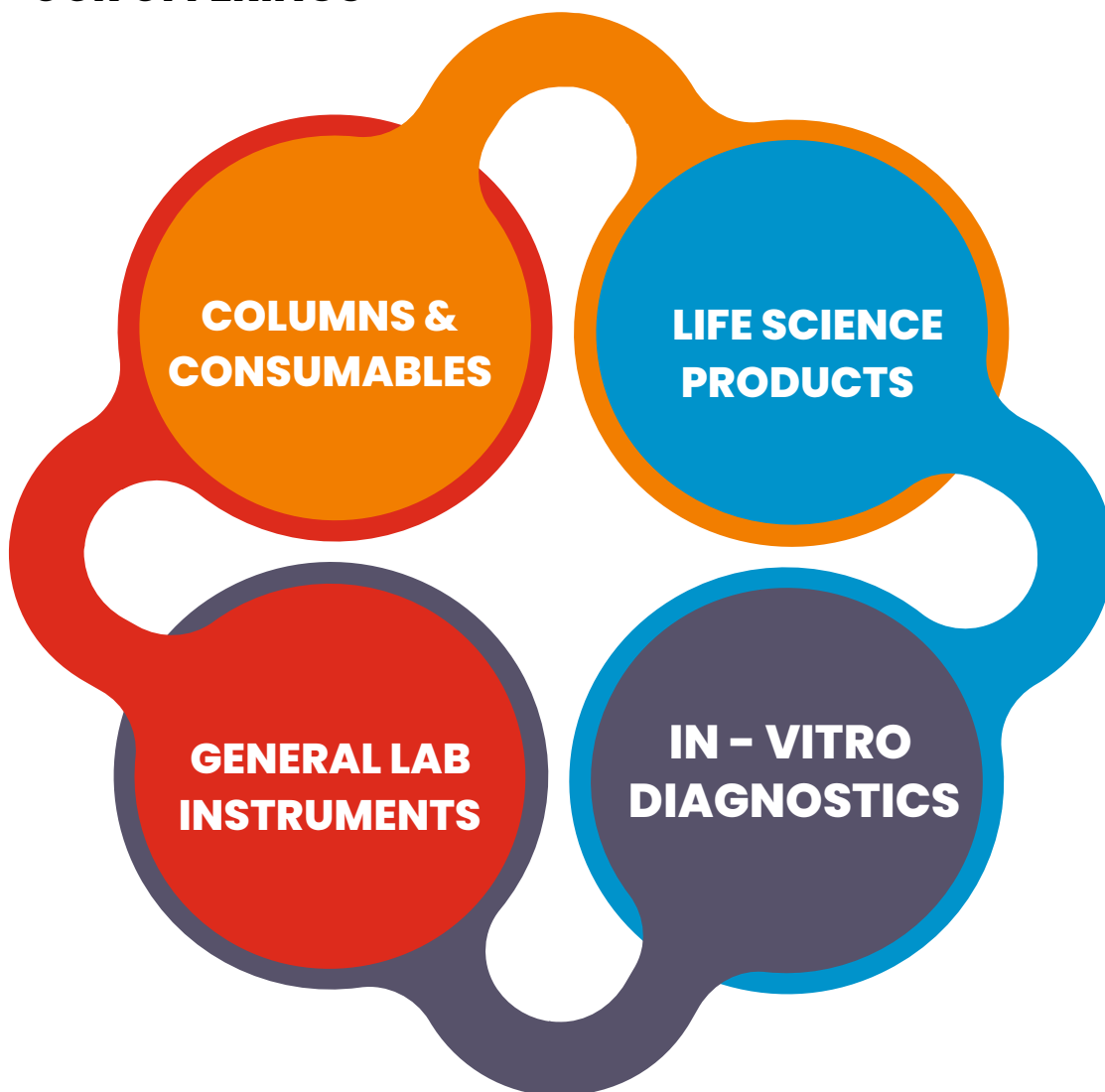
IN-VITRO DIAGNOSTICS

LIFE SCIENCE PRODUCTS



Spark Scientific is a wholly owned subsidiary of Inkar Instruments Pvt Ltd - A company with 35+ years presence in India. While the parent company caters to the scientific research community to meet their specialised instruments need, Spark Scientific will focus on 4 specific markets verticals - Chromatography consumables, In-Vitro Diagnostics, Life Sciences and General Lab Instruments. Customer expectations and deliverables are different for capital equipments and off the shelf/ready-to-use instruments and consumables and Spark Scientific operations aims to address the demands of customers better as an independent entity. Head quartered in Hyderabad, Central India, Spark Scientific has presence in multiple cities across India offering sales and post sales support.

OUR OFFERINGS



COLUMNS & CONSUMABLES



Complete Range of HPLC Columns from popular brands ,to name a few, like Shodex (SEC, Sugar, IC,HILIC), Macherey Nagel (Nulceodur, Nucleoshell, Nucleosil), ES Industries (UPLC, HPLC, SFC Columns) and Sepax. Consumables from reputed brands, to name a few, like Thermo Fisher Scientific (Auto sampler, Vials, crimpers,de-capper) and LGC (Impurity and API Standards) and Heraeus (D2 Lamps)

BRANDS

Shodex
CAPTURE THE ESSENCE



VDS optilab
Chromatographie
Technik GmbH



Sepax Technologies

Heraeus



MACHEREY-NAGEL



UCT

SCAS

Sumika Chemical Analysis Service, Ltd.
SUMI CHIRAL

ThermoFisher
SCIENTIFIC

**American Polymer
Standards Corporation**

Heraeus Noblelight counts itself among the market and technology leaders worldwide for special lamps with wavelengths from ultraviolet to infrared for industrial, scientific, and medical applications.

MARKETS ADDRESSED BY HERAEUS

- Analytics
- Automotive
- Coatings
- Electronics/Printed Electronics
- Environmental Protection
- Food
- Medical
- Printing and Packaging
- Semiconductor
- Water and Waste Water

KEY PRODUCT HIGHLIGHTS



DEUTERIUM LAMP WITH QUARTZ OR UV GLASS BULB FOR HPLC/UV

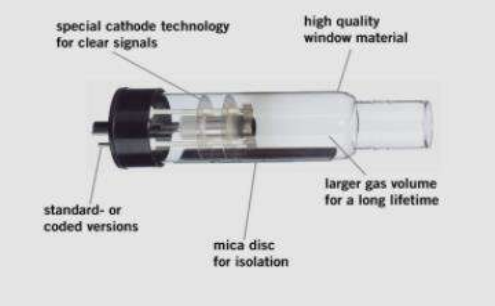


TUNGSTEN HALOGEN LAMP



XENON FLASH LAMP

HOLLOW CATHODE LAMP FOR AAS



MERCURY LAMP





LGC Standards is a division of LGC Group, the UK's designated National Measurement Institute for chemical and bio – analytical measurements. We are a leading global manufacturer and service provider of quality assurance and research tools, supporting your analytical needs in more than 120 countries worldwide. They use their expertise to produce to the highest standard, including ranges produced under ISO/IEC 17025 and accredited to ISO 17034. Our wide range of reference materials and proficiency testing schemes is complemented by our experience in outsourcing and customs, enabling them to adapt quickly to provide tailored solutions to meet your analytical needs.

Pharmaceutical Reference Standards & Impurities

- API standards
- Excipient standards
- Impurity standards
- Pharmacopoeial standards
- European Pharmacopoeia (Ph. Eur.)
- British Pharmacopoeia
- Reagents according to pharmacopoeias
- WHO international standards for antibiotics
- Pharmaceutical proficiency testing
- COVID-19 research & reference materials
- Enzyme activators, inhibitors & substrates
- Neurochemicals
- Carbohydrates
- Building blocks
- Chiral molecules
- Pharmaceutical toxicology
- Elemental impurities
- Physical properties



Environmental Reference Standards

- Stable isotope labelled compounds
- PCBs & related compounds
- Flame retardants
- Dyes & metabolites
- Dioxins & furans
- Pharma & vet compounds & metabolites
- Mycotoxins
- Additional organic reference materials
- Polycyclic aromatic hydrocarbons (PAHs)
- Volatile organic compounds (VOCs)
- Hydrocarbons & petrochemicals
- Standards for environmental regulatory methods
- Aqueous inorganic
- Environmental proficiency testing
- Physical properties
- Pesticides & metabolites



Dr Ehrenstorfer



Mikromol



LGC AXIO Proficiency Testing



ARMi | MBH



TRC



VHG

Shodex™ is a specialist in the field of high quality polymer-based columns with a long service life.

Shodex™ is the brand name of the HPLC columns (High Performance Liquid Chromatography) for the analysis of liquid samples. Shodex offers the entire portfolio of separation techniques for the analysis of liquid samples: Reversed phase RP, HILIC, size exclusion chromatography SEC, ligand exchange LEX and ion chromatography IC. Shodex's polymer based columns in particular have a very long service life.

KEY PRODUCTS



ANALYTICAL AND PREPARATIVE COLUMNS

- Reversed Phase, Hydrophilic Interaction and Normal Phase Chromatography Columns
- Ligand Exchange Chromatography Columns
- Ion Exclusion Chromatography Columns
- Ion Chromatography Columns
- Size Exclusion Chromatography (SEC) Columns
- Ion Exchange Chromatography Columns
- Special Separation Modes Columns



APPLICATIONS

- Proteins, Peptides and amino acids
- Nucleic Acids
- Saccharides and Organic Acids
- Drugs, Metabolites and Chiral Compounds
- Vitamins, Hormones / Neurotransmitters and Lipids
- Pesticide Residue, Endocrine Disruptors and environmental pollutants
- Synthetic Polymers
- Anions and Cations
- Column Switching
- Other Applications
- RI Detector
- Conductivity Detector
- GPC Standards



Since 1911 MACHEREY-NAGEL stands for high quality, innovation and reliability in chemical and bio-molecular analysis. MACHEREY-NAGEL is a family-owned company run by the fourth generation. As one of today's leading manufacturers of products for analytical chemistry and life science. They offer a broad range of products for Filtration, Rapid Tests, Water Analysis, Chromatography and Bio-analysis.



SPE and Flash



Syringe filters



Vials and caps



HPLC



TLC



GC

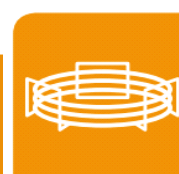
Key Products



HPLC

NUCLEODUR, NUCLEOSHELL,
NUCLEOSIL

OPTIMA, PERMABOND,
CHIRAL
(LIPODEX, HYDRODEX)



GC



Vials and caps

HPLC-VIALS AND CAPS
GC-VIALS AND CAPS
SHELL VIALS AND INSERTS

CHROMABOND
(HLB, MAX, MCX, WAX, WCX,
96 Well Plate)



SPE and Flash



Syringe filters

CHROMAFIL
(PTFE, PVDF, NYLON, PET, CA)
DISPOSABLE SYRINGES
WITH LUER TIP

ALUGRAM ALUMINIUM SHEETS,
POLYGRAM POLYESTER SHEETS,
GLASS PLATES



TLC



Today UCT, Inc. operates as two distinct divisions. UCT, LLC manufactures chromatographic and sample prep materials for researchers and analytical laboratories. Along with sample prep sorbents UCT also offers all the reagents and tools needed to perform sample extractions. This includes derivatizing reagents, hydrolyzing enzymes, buffer salts, extraction manifolds and HPLC columns.

SPE

Micro-Prep
Clean-Up
Filter and Shoot
Large Particle
Sorbent-
Gravity Flow
Push-Thru Format
Refine™ Ultra-Filtration
Plate/Columns
Small Particle
Styre Screen
Polymeric
XCEL-Quick Prep

QUECHERS

Dispersive SPE Clean up
Mylar Pouch Format
Centrifuge Tubes (loose salts in tube)
Lipifiltr®
QuICK QuEChERS
SPE Cartridge Cleanup
QuEChERS Method Development Kit

REAGENTS & BETA GLUCURONIDASE

Selectra-SIL Derivatizing Reagents
Abalonase Purified β-Glucuronidase
Abalonase Ultra Purified β-Glucuronidase
Select pH Buffer Pouches
SELECTRAZYME β-Glucuronidase

Environmental Disk
Manifold
Glass Block Manifold
Positive Pressure
Manifold
Positive Pressure
Manifold 2.0
SPeVAP®Multi-Function
Solvent Evaporator
Universal Vacuum
Manifold

**MANIFOLDS/
EVAPORATORS**

CLEAN-UP AND CLEAN
SCREEN Mixed Mode
CLEAN-UP Anion
Exchange
CLEAN-UP Cation
Exchange
CLEAN-UP Hydrophilic
CLEAN-UP Hydrophobic
Enviro-Clean Bulk
Sorbents

**BULK
SORBENTS**

Selectra U/HPLC
Columns
Selectra UHPLC Direct
Connect Cartridge &
Holder Line

U/HPLC

ACCESSORIES

Frits
Reservoirs

COLUMNS & CONSUMABLES



Sepax Technologies

Since 2002, Sepax Technologies, a Delaware US-based company, has been providing cutting edge products and services for liquid chromatography (LC).

Sepax specializes in the development and manufacture of LC analytical, preparative and process separation & purification columns, bulk resins and systems in a wide range of modalities, such as SEC, IEX, HIC, Affinity, and RP. Sepax also provides LC services, including analytical testing, method optimization, purification, custom resin development, and ligand immobilization. Certified to the ISO 9001-2015 standards, Sepax focuses on customer & market needs, and is continuing to expand its presence and supply chain around the globe in three business platforms: Analytical Chromatography, Industrial Purification and Medical Diagnostics.

SIZE EXCLUSION COLUMNS

Unix -C SEC, Unix SEC
Zenix SEC, Zenix -C SEC,
SRT SEC, SRT -C SEC,
Nanofilm SEC, SEC -MALS,
Preparative SEC
Mono GPC

AFFINITY CHROMATOGRAPHY

ProAqa Excel,
Affinity HAS,
Polar-MC-IMAC, Excel
Monomix, Aminodiol
Monomix dT20

REVERSE PHASE

Proteomix RP,
Bio -C18,
Bio -C8, Bio -C4,
Mixed Mode,
Biomix, Monomix,
H2P SAX

PROCESS CHROMATOGRAPHY RESINS

Multimodel
Size Exclusion
Ion Exchange
Hydrophobic Interaction
Reversed Phase
Affinity Chromatography

SURFACTANT COLUMNS

Monomix, H2P SAX
Tween Trap, Antibody
Separation, Antibodix,
ProAqa Excel, Zenix SEC
Zenix -C, SECSRT
SECSRT -C SEC

ION-EXCHANGE

Proteomix,
Antibodix,
Glycomix,
Hydrophobic Interaction
Proteomix HIC



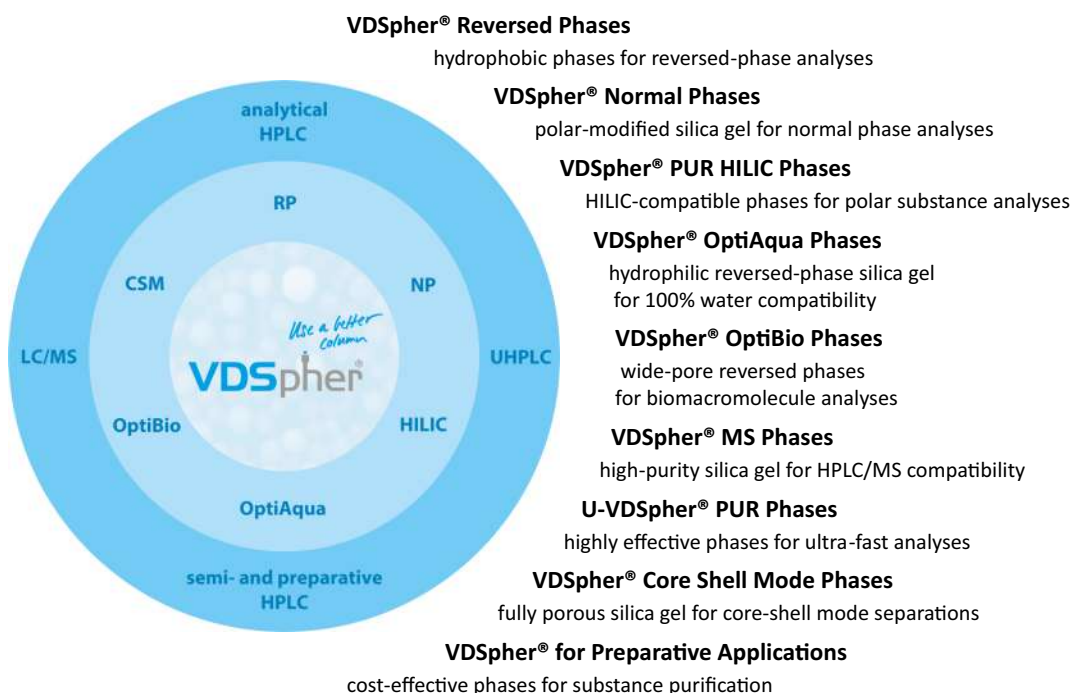
VDS optilab
Chromatographie
Technik GmbH

Since 1987, HPLC columns from VDS optilab have been impressed customers from all areas of analytics, ranging from universities and government agencies to small and medium-sized companies and large companies in the chemical and pharmaceutical industries.

KEY PRODUCTS

VDSpher® High Performance Separation Phases

VDSpher® PHASE SERIES & APPLICATIONS



**AVAILABLE
VDSpher® COLUMNS
ALTERNATIVE TO**

Agilent Columns
Grace Columns
Merck Columns
Phenomenex Columns
Thermo Columns
(VDSpher HypRep)
Waters Columns

COLUMNS & CONSUMABLES

HPLC & GC VIALS AND INSERTS



Headspace, HPLC, GC
Vials Caps & Septa



VIALS RACKS AND
BOXES



CRIMPER &
DE-CRIMPER



STORAGE VIALS



GENERAL LAB INSTRUMENTS

One-stop supplier of a wide range of general laboratory devices & instruments covering chemical, biological, environmental, forensic, food and clinical diagnostic applications. Their products provide comfort, accuracy and convenience to conduct safe and efficient experiments during research. By partnering with many prestigious companies throughout the world Our product offerings widely cover - Pipettes, Magnetic Stirrers, Rotary Evaporators, Thermal Control Products (Dry Bath, Thermo Mix), UV Spectrophotometers to name a few.

The logo consists of the letters 'DWA' in a bold, sans-serif font, followed by a space and the letter 'B' in the same font. The 'DWA' is red, and the 'B' is grey. The entire logo is set against a white rectangular background.

DLAB Scientific Co., Ltd, – founded in 2002, is now one of the leading companies worldwide for high quality laboratory instruments and equipment for chemical, biological and clinical diagnostics labs.



Liquid Handling

- PCR Series
- Dry Bath & Thermo Mix Series
- Thermal Cyclers
- Fast Nucleic Acid Testing Platform
- Dry Bath
- Thermo Mix
- Water Bath



Distilling

- Liquid Handling
- Liquid Handling Series
- Electronic Pipette
- Mechanical Pipettes
- Pipette Fillers
- Stepper
- Electronic Titrator
- Electronic Bottle-Top Dispenser
- Bottle-Top Dispensers
- Vacuum Aspiration System



Thermal Control

- Distilling
- Low Temperature
- Vacuum Controller
- Rotary Evaporator



Mixing & Heating

- Centrifuge
- Palm Micro Centrifuges
- High Speed Micro – Centrifuges
- Low-speed Centrifuges
- Multi-Purpose Low – Speed Centrifuge



Miscellaneous

- Magnetic Hotplate Stirrers
- Overhead Stirrer
- Magnetic Hotplate Stirrers
- Hotplates
- Magnetic Stirrers
- Overhead Stirrers
- Homogenizers













Centrifuges

- Mixer
- Vortex Mixers
- Cell Disruptor
- Microplate Mixers
- Rotators
- Rocking Rotators
- Tube Rollers
- Shakers
- Spectrophotometers
- GelSMART
- Sterilizer

Liquid handling

Liquid handling range includes micropipettes/electronic pipettes

Series	Image	Model	Application	Volume Range	Channel	Autoclavable
Electronic Pipette		dPette+	Aqueous solution	0.5-1000ul	Single Channel Adj.	YES (lower part)
		dPette	Aqueous solution	0.5-1000ul	Single Channel Adj.	YES (lower part)
		MicroPette	Aqueous solution	0.1ul-10ml	Single Channel Adj. & Fixed; 8 Channel Adj.; 12 Channel Adj.;	YES (lower part)
		MicroPette Plus	Aqueous solution	0.1ul-5000ul	Single Channel Adj. & Fixed; 8 Channel Adj.; 12 Channel Adj.;	YES
		MiniPette	Aqueous solution	25-200ul	Single Channel Fixed	NO
Pipette Filler		Levo Plus	Aqueous solution	0.1-100ml	Single Channel	YES (silicon adapter & nozzle)
		Levo Me	Aqueous solution	0.1-100ml	Single Channel	YES (silicon adapter & nozzle)
Pipette Controller		Levo	Aqueous solution	0.1-100ml	Single Channel	YES (silicon adapter & nozzle)
Pipette Pump		Levo E	Aqueous solution	2-25ml	Single Channel	NO
Stepper		StepMate	Aqueous solution	0.5-50ml	Single Channel	NO




In addition to pipettes, liquid handling series products also include various dispensers, electronic titrator and vacuum aspiration system, which are used for the pipetting, dispensing, and collection of reagents with a wider range.

List of DLAB models:



Product Name	Bottle-Top Dispenser	New Bottle-Top Dispenser	Electronic Bottle-Top Dispenser	Electronic Titrator	Vacuum Aspiration System	Economical Vacuum Aspirator
Model	DispensMate	DispensMate-Pro/S	dFlow	dTrite	SAFEVAC	EcoVAC
Application	Reagent pipetting and liquid dispensing			Used in titration operations in chemical analysis, food industry, environmental analysis		Liquid collection and storage treatment, including cell culture medium, suspension, supernatant.
Operation	Manual	Manual	electric	electric	electric	electric
Volume Range	0.5-5ml 1.0-10ml 2.5-25ml 5.0-50ml	0.5-5ml 1.0-10ml 2.5-25ml 5.0-50ml 10-100ml	0.1ml-99.9ml	0.01ml-99.99ml	Vacuum range: 0-600mbar Bottle volume:4L	Vacuum range: 0-500mbar Bottle volume:2L
Reagent Recovery Function	No	Yes	Yes	Yes	No	No
Features		-S Enhanced seal -Pro Glass piston			Sensitive level sensor,Self-closing connector	1L bottle optional, Switch manual and continuous aspiration
Fully autoclavable	The part where the liquid flows	Whole			The part where the liquid flows	The part where the liquid flows
Accessories	Screw adapter	Screw adapter	Spiral dispensing pipe	Spiral dispensing pipe	Handle adapter	Handle adapter

Rotary evaporator is mainly used for continuous distillation of volatile solvents under reduced pressure. It is widely used in chemical, pharmaceutical, research and food industries, etc.

Series	Lab Scale Rotary Evaporator		Industrial Scale Rotary Evaporator
			
Model	RE100-Pro	RE100-S	RE200-Pro
Evaporating Flask Volume	50-2000ml	50-2000ml	20L
Evaporation capacity (H2O)	1.56L/h	1.56L/h	4.0L/h
Automatic lifting	YES	No (Manual lifting)	YES
Display	LCD	LED	LCD

Distillation System Connection (For RE100-Pro&RE100-S):



RE200-Pro**20L Industrial Digital Rotary Evaporator**

Large Scale LCD Digital evaporator is mainly used for continuous distillation of a large number of volatile solvents under reduced pressure. It offers an excellent distilling solution in a wide range of applications.

Features

- Large LCD digital display with heating temperature, rotation speed, clockwise and Anti-clockwise, time information
- One-click automatic motor lifting (stroke 180mm), smooth and silent
- Water / Oil heating bath with temperature range from room temp.to 180°C
- Speed range from 10 to 150rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Three-layer high-efficiency condensing tube with large condensation area and strong evaporation capacity, ensuring efficient sample recovery
- Patented connector for evaporating flask easy & quick installation
- PTFE double sealing ring with excellent sealing performance
- A switching valve for continuous collection without compromising the system vacuum and solvent distillation.





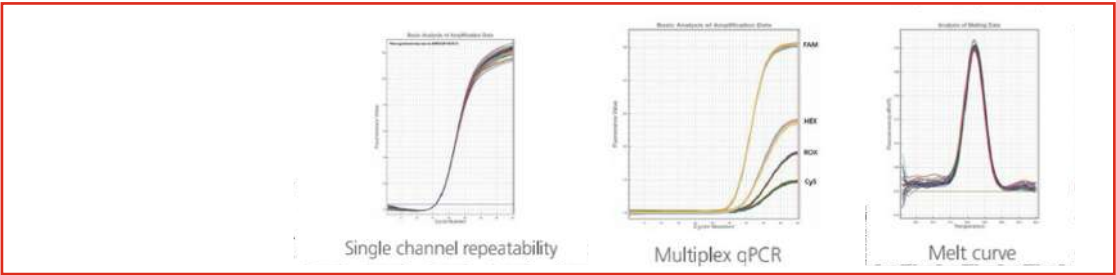
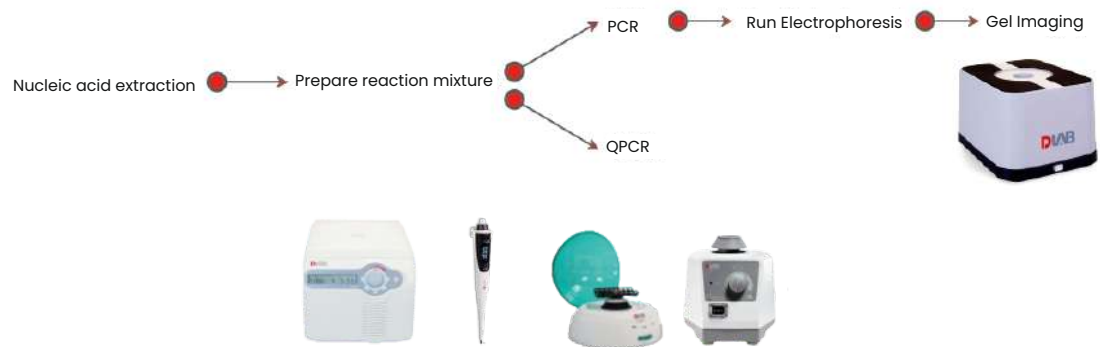
PCR technology is a molecular biology technique for amplifying DNA molecules in vitro. It is mainly used to amplify DNA segments located between two known sequences. PCR technology has been widely used gene cloning, pathogen detection, gene expression and other aspects of many fields such as scientific research, clinical testing, quality control, forensic identification and so on. Appropriate fluorescent dyes were add into the qPCR mixture, QPCR instrument can detect the fluorescence changes during the amplification process real time to qualitative and quantitative the original template.

List of DLAB models:



Product Name	Thermal Cycler Gradient	Thermal Cycler Standard	Real-Time PCR System	
Model	TC1000-G	TC1000-S	Accurate96-X4/X6	Accurate 16-T
Sample Capacity	96×0.2ml	96×0.2ml	96×0.1ml	16×0.2ml
Gradient Temp. Setting range	30-99°C	-	30-100°C	-
Channel	-	-	X4-4, X6-6	Standard-2












Detection process



THERMO CONTROL











Dry bath provides precise temperature for various experiments. Thermo mix also has mixing function, and it widely used in various fields such as molecular biology and cell biology, including gene synthesis, gene purification, gene cloning, gene expression, protein expression analysis , enzyme reaction, bacterial growth and so on.

List of DLAB models:

Model	Image	Function	Temp. Setting Range	Mixing speed	Blocks
HB60-S		Heating	25°C,30°C, 37°C,45°C,60°C,	-	5ml×30+15ml×8
HB120-S		Heating	25°C-120°C	-	0.2ml×54 0.5ml×40 1.5/2ml×40 5/15ml×28 5ml blood collection tube×45 50ml×8 (0.2ml+0.5ml+1.5/2ml)×18 0.2ml×96 Microplate Bead/water bath
HB105-S1/ S2		Heating	25°C-105°C	-	0.2ml×30 0.5ml×20 1.5ml×20 2ml×20
HB150-S1/ S2		Heating	25°C-150°C	-	15ml×12 50ml×4 Bead/water bath
H100-Pro		Heating	25°C-100°C	-	0.5ml×24
HC110-Pro		Heating& Cooling	-5°C-110°C	-	1.5ml×24 2ml×24 5ml×5 15ml×8
HCM100-Pro		Heating& Cooling& Mixing	0°C-100°C	200 - 1500rpm	50ml×4 0.2ml×96 Microplate
HM100-Pro		Heating& Cooling	15°C-100°C	200 - 1500rpm	
Mini H100		Heating	25°C-100°C	-	0.2ml×40 0.5ml×24 1.5ml×15
Mini Hc100		Heating& Cooling	0°C-100°C	-	2ml×15 5ml×6 15ml×4
Mini HCL100		Heating& Cooling	0°C-100°C	-	50ml×2










Magnetic hotplate stirrers are used for low viscosity liquids or solid mixing, widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals etc. DLAB provides different series, heating range covers from 120°C-550°C

Magnetic Hotplate Stirrers:



Series	Model	Image	Stirring Position	Display	Work plate Size	Max. Heating Temp.	Max. stirring quantity[H2O]
550 series	MS7-H550-Pro		1	LCD	184x184mm	550°C	20L
	MS7-H550-S		1	LED	184x184mm	550°C	10L
380 series	MS-H380-Pro		1	LCD	140x140mm	380°C	
	MS-H-ProT (with timer)		1	LCD	φ 135mm	340°C	20L
340 series	MS-H-ProA		1	LCD	φ 135mm	340°C	20L
	MS-H-Pro+		1	LCD	φ 135mm	340°C	20L
	MS-H-S		1	Scale	φ 135mm	340°C	20L
	MS-H340-S		4	LCD	φ 135mm	340°C	10L for single position
280 series	MS-H280-Pro		1	LED	φ 135mm	280°C	3L
120 series	MS-H-S10		10	Scale	180x450mm	120°C	0.4Lx10



Magnetic Stirrers:

Image	Model	Stirring Position	Display	Work plate Size	Max. Stirring Quantity[H2O]
	MS7-S	1	Scale	184x184mm	10L
	MS-S	1	Scale	135mm	20L
	MS6-Pro	1	LCD	140x140mm	5L
	MS-PA	1	LED	135mm	3L
	MS-PB	1	Scale	135mm	3L
	EcoStir Square plate	1	Scale	120x115mm	1.5L
	EcoStir Round plate	1	Scale	120mm	1.5L
	FlatSpin	1	Scale	90mm	0.8L
	MS-M-S10	10	-	180x450mm	0.4L X 10

Hotplate:

Image	Model	Display	Work plate Size	Max. Heating Temp.
	HP550-S	LED	184x184mm	550 C
	HP380-Pro	LCD	140x140mm	550 C




Application guidance:

Notice: MS-H380-Pro, HP380-Pro & MS-H280-Pro are not available for chemical fields.

Fields		MS7-H550-Pro/ MS7-H550-S/ HP550-S	MS-H-ProA/ MS-H-ProT/ MS-H-Pro+/ MS-H-S/ MS-H340-S	MS-H380-Pro/ HP380-Pro	MS-H280-Pro	MS-H-S10	Magnetic Stirrers (none heating models)
Pharmaceutical	Chemical Synthesis	■	■				
	Biochemical Drugs	■	■				
	Medicine Testing	■	■				
	Drug Formulation	■	■				
Chemical Industry	Petrochemical Industry	■	■				
	Inorganic Chemical Synthesis	■	■				
	Organic Chemical Synthesis	■	■				
	Daily Use Chemical Industry	■	■				
	Painting/Rubber/Plastic	■	■				
	Fertilizer/Pesticide	■	■				
Environmental	Water Quality Analysis					■	■
	Pesticide Residue Testing					■	■
	Chemical Pollution Analysis					■	■
Research & Education	Basic Chemical Experiments	■	■			■	■
	Material Analysis			■	■	■	■
	Liquid Mixing			■	■	■	■
	Chemical Synthesis	■	■				
Food Industry	Food Additive	■	■	■	■		
	Dairy Product	■	■	■	■		
	Nutrition Analysis	■	■	■	■		
Biological Engineering	Cell Culture						
	Biological Reagents		■	■	■	■	
	Biochemistry		■	■	■	■	

Overhead stirrers are used for middle or high viscosity samples mixing, widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries etc.




Overhead stirrers:

MIXING & HEATING	Image					
	Models	OS20-Pro	OS20-S	OS40-Pro	OS40-S	OS70-Pro
	Max. Stirring Quantity[H2O]	20L	20L	40L	40L	70L
	Constant Speed	YES	NO	YES	NO	YES
	Display	LCD	LED	LCD	LED	LCD
	Speed Range	50-2200rpm	50-2200rpm	50-2200rpm	50-2200rpm	50-1100rpm
	Max. Torque	40N•cm	40N•cm	60N•cm	60N•cm	300N•cm
	Viscosity Max.	10000mPa•s	10000mPa•s	50000mPa•s	50000mPa•s	100000mPa•s

The centrifuge used to separate liquid and solid particles or components in a liquid mixture. The DLAB centrifuge series includes palm micro centrifuges, high-speed centrifuges (refrigerated and non-refrigerated), hematocrit centrifuges and low-speed centrifuges

Series	Image	Model	Display	Max. speed(RCF)	Rotor Capacity
Palm micro centrifuges		D1008	-	7000rpm (2680×g)	8×2ml 32×0.2ml
High speed Mini Centrifuge		D2012Plus	LCD	15000rpm 15100×g)	12×0.2/0.5 /1.5/2ml
High speed Micro Centrifuge		D3024	LCD	15000rpm (21380×g)	24×1.5/2ml, 36×0.5ml, 4×PCR eight strips, 12×5ml(cone), 18×5ml(round),
High-speed Refrigerated Micro Centrifuge		D1524R	LCD	15000rpm (21380×g)	
hematocrit centrifuge		Dm1424	LCD	14000 rpm (18620×g)	24×1.5/2ml(14000rpm), 24×capillary tubes (12000 rpm)
		Dm1224	LCD	12000 rpm (13680×g)	24×capillary tubes
DM0506 Series		Dm0506	LCD	5000rpm (2600×g)	6x15ml/10ml /7ml/1.5-5ml
		Dm0412	LCD	4500rpm (2490×g)	8x15ml 12x10ml/7ml 1.5-5ml
		DM0412P (PRP/PRF/CGF)	LCD	4500rpm (2490×g)	8x15ml 12x10ml/7ml 1.5-5ml
DM0424 & DM0408 Series		Dm0408	LCD	4000rpm (2500×g)	8x15ml 12x10ml/7ml 1.5-5ml
		Dm0424	LCD	4000rpm (2500×g)	4x50ml 24x15ml
DM0636 Series		Dm0636	LCD	6000rpm (4020×g)	4x100ml 36x3-7ml

DLAB mixers range can be divided into different series as per mixing speed, working mode, load capacity etc:

Series	Image	Model	Speed Range	Working mode	Capacity
Vortex Mixer		MX-S	0~2500rpm	Orbital (touch + continuous modes)	-
		MX-F	2500rpm (fixed)	Orbital (touch + continuous modes)	-
		MX-E	3000rpm (fixed)	Orbital (touch mode)	-
Cell disruptor		MX-C	0~2500rpm	Orbital (touch + continuous modes)	8x2ml
Microplate Mixer		MX-M	0~1500rpm	Orbital (continuous mode)	0.5Kg
Roller Mixer		MX-T6-Pro	0~70rpm	360° rocking & rolling (timer + continuous)	4Kg
		MX-T6-S	0~70rpm	360° rocking & rolling (timer + continuous)	4Kg
Rocking Rotator		SK-R30S-E	0~30rpm	30±3° rocking (continuous)	10x10ml, 4x50ml
		SK-R30L-E	0~30rpm	30±3° rocking (continuous)	16x10ml 6x50ml
		SK-R30D-E	0~30rpm	40±3° rocking (continuous)	32x10ml,12x50ml
Disk Rotator		MX-RD-Pro	10~70rpm	360° rolling (timer + continuous)	60x1.5ml,16x15ml, 8x50ml, (available for 3 layers)
		MX-RD-E	0~80rpm	360° rolling (continuous)	48x2ml,16x15ml, 8x50ml
Rotisserie Rotator		MX-RL-Pro	10~70rpm	360° rolling (timer + continuous)	48x1.5ml,24x15ml, 24x50ml
		MX-RL-E	0~80rpm	360° rolling (continuous)	32x2ml, 20x15ml,16x50ml

DLAB shaker series can be divided to different types as per different motion models:

Series	Image	Model	Display	Plate Size	Speed Range	Max. Load Capacity
Orbital Shaker		SK-O330-Pro	32x32cm	LCD	100-500rpm	7.5Kg
		SK-O180-Pro	25x24.5cm	LCD	100-800rpm	2.5Kg
		SK-O180-S	24x21.5cm	LED	40-200rpm	3Kg
		SK-O330-M	33.5x33.5cm	LCD	70-400rpm	3Kg
Linear Shaker		SK-L330-Pro	32x32cm	LCD	100-350rpm	7.5Kg
		SK-L180-Pro	25x24.5cm	LCD	100-350rpm	2.5Kg
		SK-L180-S	24x21.5cm	LED	40-200rpm	3Kg
Rocking Shaker		SK-R330-Pro	30x28.5cm	LCD	10-70rpm	10Kg
		SK-R1807-S	24x21.5cm	LED	10-80rpm	3Kg
3D Shaker		SK-D3309-Pro	30x28.5cm	LCD	10-70rpm	5Kg
		SK-D1807-S	24x21.5cm	LED	10-80rpm	3Kg

IN-VITRO DIAGNOSTICS

Our In-Vitro vertical with partnership with famous brands from across the world has solutions to enhance productivity and the quality of care in small to medium-size in vitro diagnostic laboratories. Our offerings include products for clinical chemistry, blood gas, electrolyte, hematology analyzers, Elisa Readers, Immuno Analyzers. Some of the well known brands we represent – Medica USA, Prokan, Rayto, Boditech and Diatron.

BRANDS





MEDICA CORPORATION

easyRa fully automated chemistry analyzer – Human & Vet model

Medica Corporation manufactures simple-to-use, highly reliable diagnostic blood testing analyzers. Actively engaged in developing new technology,



IN - VITRO DIAGNOSTICS

Medica specifically designs products to enhance productivity and the quality of care in small to medium-size in vitro diagnostic laboratories. Medica's clinical chemistry, blood gas, electrolyte, and hematology analyzers are focused on the global need to lower health care costs.

- **Clinical Chemistry Analyzers**
- **Electrolyte Analyzers**
- **Blood Gas Analyzers**

CLINICAL CHEMISTRY ANALYZERS

Medica's EasyRA[®] analyzer is a fully automated clinical chemistry analyzer that accommodates the diverse needs of small laboratories.



ELECTROLYTE ANALYZERS

EasyElectrolytes[™] features yes/no prompted operation, simple maintenance, fast results, and a low cost per sample. Incorporating the latest technology, Medica's electrolyte analyzers improve lab productivity, while delivering sample results economically.

BLOOD GAS ANALYZERS

Designed with the lab technician in mind, Medica's blood gas analyzer products use straight forward modular designs. These analyzers employ simple user interfaces and have a low cost per sample.



SHENZHEN PROKAN ELECTRONICS INC.

Prokan’s price-performance products are being extended all over the world, including hematology analyzers, biochemistry analyzers, and relevant reagents. Our products which adopt the first-class and advanced international technology of clinical laboratory are successfully sold in domestic and overseas market. It has achieved extensive compliment and approved by our clients in global market. With the broad-ranged application, perfect quality, simple operation, and reliable performance, our products can satisfy your requirements, not only in its quality, but also in its safety standard.

HUMAN
HEMATOLOGY ANALYZER

3-PART FULLY AUTO HEMATOLOGY ANALYZER
PE-6100

- Automated & User-friendly Interface
- Accurate Results & Low Sample Consumption
- Easy Maintenance & Environment-friendly System
- Perfect QC System



PE-6100



PE-7100

5-PART FULLY AUTO HEMATOLOGY ANALYZER
PE-7100

- Electrical Impedance method for determining the RBC and PLT data;
- Colorimetric method for determining the HGB;
- Laser-based flow cytometry for determining the WBC data

VETERINARY DIAGNOSTIC ANALYZER



PE - 3020VET

3-PART 23 PARAMETERS HEMATOLOGY ANALYZER PE-3020 VET

- Automated & User-friendly Interface
- Accurate Results & Low Sample Consumption
- Easy Maintenance & Environment-friendly System
- Perfect QC System

5-DIFF FULLY AUTO HEMATOLOGY ANALYZER PE-7010 VET

- Constant Temperature Reagent
- External Barcode Scanner
- One Button Analysis
- Independent Operating System
- 10 user-defined Species of animals species



PE - 7010 VET



Boditech Med INC.

The leader of POCT (Point of Care Testing), Boditech Med Inc

Boditech Med has been established as an antibody developing and manufacturing business in 1998. We've changed our business direction to In-Vitro diagnostic market in 2000 considering potential of the market segment. Since then, we have reached current position as a leading company in POCT market. Boditech Med has enabled In-Vitro diagnostic solution over the 120 countries around the world. Also, 80 million of IVD tests have been implemented with our 55,000 IVD analyzers. Boditech Med is constantly striving to become a global In-Vitro diagnostic company realizing the value of respect for life.

IMMUNOASSAY ANALYZER

Advanced compact immuno-Analyzer ichroma™ II

A compact and easy-to-use, fluorescence based POCT immunoassay analyzer ichroma™ II is a compact, easy-to-use diagnostic immuno-analyzer to measure the presence of various biomarkers for cardiac, cancer, hormones, infectious diseases, autoimmune diseases, and metabolic diseases.



Built-in
printer



Built-in
multi-timers



On-board QC &
System check



Battery and
AC operated

Specifications: 276 x 220 x 91 mm,
1.3 kgs, 100 – 240V AC, 50–60Hz,
Internal & external battery

QC / Calibration: System check
cartridge & Internal & external controls

Interface: 7" touch screen, Built-in
thermal printer, USB port / Ethernet /
SD card slot, LIS/HIS compatible

Memory: 1,000 patient results. 1,000 QC
results, 100 User IDs

Throughput: Up to 30 tests/hour

Advanced compact immuno-Analyzer
ichroma™ III

High-throughput immuno-analyzer that enables simultaneous testing for various parameters ichroma™ III accepts cartridges for various biomarkers in random sequence and processes them in a preset temperature, even combines test parameters with differing incubation period. The user will prepare each cartridge before inserting it to the system, one at a time.

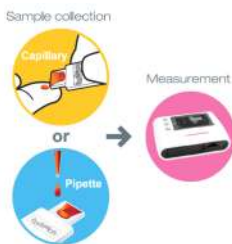


Model	ichroma™ III
Dimensions	240mm(L) x 465 mm (W) x 341 mm(H)
Weight	11 Kg
Analyzer input	100 – 240V AC, 50 – 60Hz 1.8A
User Interface	7" Touch-Screen LCD
Data Output	Internal Printer/RS-232 port
Operating temperature	15° C to 35°C
Connectivity	RS-232 4USB port / LAN port SD card slot
Memory	2,000 patients 2,000 QC results 1,000 System Check 500 ID chip info
Capacity	12 assays in one set

TOTAL HAEMOGLOBIN
CONCENTRATION MEASUREMENT

HEMOCHROMA PLUS

Hemochroma PLUS is a handheld device that can run tests for anemia. One uses a disposable test cuvette to pick up sample blood from the fingertip. It accommodates tube bloods with a pipette. Each test takes 3~5 seconds and the user can transmit the result to a host computer



Specifications	
Principle	Spectrophotometry
Sample	Whole Blood
Sample Volume	12-15ul
Detection range	0.5 – 27g/dl
Reading time	Approx. 3 sec
Data Storage	1000 results
Power	4xAA batteries or power from USB
Dimensions	106 x 151 x 39mm
Weight	215g
Calibration	Calibration information in ID Chip

Applications

- Screening anemia
- Blood Banks
- Transfusion centres
- Mother and Child health centers
- Dialysis centers

Versatile Desktop Fluorescence Immuno-analyzer

AFIAS-6

- ▶ Automated POCT system with All-in-One cartridges
- ▶ Easy to use with proprietary C-Tips (for fingertip blood)
- ▶ Up to 6 different parallel tests
- ▶ US FDA 510(K) cleared



Specifications

QC/Calibration

- 2 calibrators & 2 controls
- Internal & external controls

Interface

- 7" touch screen
- Built-in thermal printer
- RS 232 / USB port
Ethernet / SD card slot
- LIS/HIS compatible

Memory

- 5,000 patient results
- 5,000 QC results
- 500 ID chips
- 100 User IDs

Throughput

- Up to 36 tests / hour

Analyzer

- 420 x 336 x 293 mm
- 15.1 kg
- 100 – 240V AC, 50–60Hz
- Internal temperature control

Automated All-in-one Fluorescence Immuno-analyzer

AFIAS-1

- ▶ Automated POCT system with All-in-One cartridges
- ▶ Easy to use with proprietary C-Tips (for fingertip blood)
- ▶ Quick test results with reliability
- ▶ Small, compact, & light



Specifications

QC/Calibration

- 2 calibrators & 2 controls
- Internal & external controls available

Interface

- 5" touch screen
- Built-in thermal printer
- RS 232 / USB port
Ethernet / SD card slot
- LIS/HIS compatible

Memory

- 5,000 patient results
- 5,000 QC results
- 500 ID chips
- 100 User IDs

Throughput

- Up to 10 tests / hour

Analyzer

- 320 x 204 x 180 mm
- 3.9 kg
- 100 – 240V AC, 50–60Hz
- Internal temperature control

ichromaTM Parameters

Category	Item	ichroma TM II	ichroma TM III	Sample type	Working range
Cardiac	Tn-I	●	●	S/P	0.1-50.0 ng/mL
	Tn-I Plus	●	●	WB/S/P	0.01-15 ng/mL
	CK-MB	●	●	WB/S/P	3-100 ng/mL
	D-Dimer	●	●	WB/P	50-10,000 ng/mL
	NT-proBNP	●	●	WB/S/P	10-30,000 pg/mL
	Myoglobin	●	●	WB/S/P	5-500 ng/mL
	hsCRP	●	●	WB/S/P	0.1-10.0 mg/L
	Cardiac Triple	●	●	WB/S/P	Tn-I 0.01-15 ng/mL CK-MB 3-100 ng/mL Myoglobin 5-500 ng/mL
Cancer	ST2	●	●	WB/S/P	3.1-200 ng/mL
	PSA	●	●	S/P/WB	0.1-100.0 ng/mL (WB:0.5-100.0 ng/mL)
	PSA Plus	●	●	WB/S/P	0.07-50 ng/mL
	AFP	●	●	WB/S/P	5-350 ng/mL
	AFP Plus	●	●	WB/S/P	0.5-350 ng/mL
	CEA	●	●	S/P	1-500 ng/mL
	CEA Plus	●	●	S/P	0.5-200 ng/mL
Diabetes	IFOB Neo	●	●	Feces	25-1,000 ng/mL
	HbA1c	●	●	WB	(NGSP) 4-15 %
	Microalbumin	●	●	Urine	2-300 mg/L
Hormone	Cystatin C	●	●	S/P	0.1-7.5 mg/L
	TSH	●	●	S/P	0.1-100.0 µIU/mL
	TSH Plus	●	●	WB/S/P	0.1-50.0 µIU/mL
	T3	●	●	S/P	0.77-7.70 nmol/L
	T4	●	●	S/P	10.23-300.00 nmol/L
	FSH	●	●	S/P	1-100 mIU/mL
	Progesterone	●	●	S/P	4.45-127.20 nmol/L
	β-HCG	●	●	WB/S/P	5-50,000 mIU/mL
	β-HCG Plus	●	●	WB/S/P	2-5,000 mIU/mL
	LH	●	●	S/P	1-100 mIU/mL
	PRL	●	●	S/P	1-100 ng/mL
	Testosterone	●	●	S/P	1-10 ng/mL
	Cortisol	●	●	WB/S/P	80-800 nmol/L
Infection	AMH	●	●	S/P	0.02-10 ng/mL
	COVID-19 Ag	●	●	Nasopharyngeal swab	qualitative
	COVID-19 Ab	●	●	WB/S/P	qualitative
	COVID-19/Flu Ag Combo	●	●	Nasopharyngeal swab	qualitative
	CRP	●	●	WB/S/P	2.5-300.0 mg/L
	PCT	●	●	WB/S/P	0.1-100.0 ng/mL
	PCT Plus	●	●	WB/S/P	0.02-50 ng/mL
	ASO	●	●	S/P	25-800 IU/mL
	HBsAg	●	●	WB/S/P	qualitative (0-300 COI)
	Anti-HBs	●	●	WB/S/P	0-500 mIU/mL
	Anti-HCV	●	●	WB/S/P	qualitative (0-300 COI)
	ROTA	●	●	Feces	qualitative (0-200 COI)
	NORO	●	●	Feces	qualitative (0-200 COI)
	Rota/Adeno	●	●	Feces	qualitative (0-200 COI)
	Dengue IgG/IgM	●	●	WB/S/P	qualitative (0-200 COI)
	Dengue NS1 Ag	●	●	WB/S/P	qualitative (0-200 COI)
	Influenza A+B	●	●	Nasopharyngeal swab/ Nasal aspirate	FluA: 1.4 x 10 ³ pfu/mL FluB: 0.5 TCID ₅₀ /mL
	RSV	●	●	Nasopharyngeal swab/ Nasal aspirate	qualitative
Autoimmune	IL-6	●	●	WB/S/P	2 - 2,500 pg/mL
	RF IgM	●	●	WB/S/P	8-200 IU/mL
	Anti-CCP Plus	●	●	WB/S/P	3.5-300 U/mL
	Total IgE	●	●	WB/S/P	1.00-1,000 IU/mL
Others	Ferritin	●	●	S/P	10-1,000 ng/mL
	Vitamin D	●	●*	S/P	8-70 ng/mL
	Calprotectin	●	●	Feces	10-1,000 mg/kg
	H.pylori SA	●	●	Feces	qualitative

*Additional thermal chamber is needed

Diatron

Diatron develops, manufactures and markets hematology analyzers, clinical chemistry analyzers, and associated reagents for human medical and veterinary use. The company was founded in Budapest, Hungary over 30 years ago and is one of the top 5 global hematology analyzer manufacturers. Since its inception, Diatron has been at the forefront of laboratory diagnostics. Today, Diatron's product range includes hematology analyzers, hematology reagents (both for our own and other manufacturers' analyzers), hematology control material, clinical chemistry analyzers, clinical chemistry reagents and clinical chemistry controls. The brand name of Diatron has been established throughout the world as a result of our capability for manufacturing high quality and extremely reliable instruments, which has resulted in our products being sold and marketed in more than 100 countries. Today, there are more than 40,000 Diatron clinical chemistry and hematology analyzers in laboratory use, and our customer base continues to grow stronger year after year.

HEMATOLOGY ANALYZER

Abacus 5

The Abacus 5 system is a compact, bench top, 60 test/hour, 5-part WBC differential analyzer with two sampling modes: a cap piercing mode for closed tube sampling and another for open tubes.



Specifications

- Throughput: 60 tests/hour
- Parameters: a CBC+5 DIFF mode n(26 parameters) - 2 histograms: RBC, PLT; 2 scattergrams: 4 diff, WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDW (sd/cv), HGB, MCH, MCHC, PLT, PCT, MPV, PDW (sd/cv P-LCC, P-LCR
- Laser light scattering technology for
- 5-part WBC differential
- Sample volume: 110 µl of whole blood
- Closed and open tube sampling, optional autosampler
- 3 cyanide-free reagents: Diluent, Lyse, Stopper
- Data storage capacity: 100,000 records
- Operating environment: Temperature: 15-30 °C
- Relative humidity: Max 80% (non-condensing)

Abacus Junior 30

The Abacus Junior 30 is **small in size** but without compromising quality. It is packed with features, is easy to use, lightweight and has a practical color touch screen, thus making it an ideal choice for the smaller clinic, laboratory or physician office.

Specifications

- Throughput: 30 tests/hour
- Parameters: 22 hematology parameters, including 3-part differential: WBC, LYM, MON, GRA, LYM%, MON%, GRA%, RBC, HCT, MCV, RDW, HGB, MCH, MCHC, PLT, PCT, MPV, P-LCC, P-LCR, RDW-CV, RDW-SD, PDW-CV, PDW-SD
- Impedance method
- Sample volume: 25l of whole blood
- Sampling method: Open tube system with automatic sample rotor
- 3 cyanide-free reagents: Diluent, Lyse, Cleaner
- Diatro•ECO Reagent Pack: Up to 145 measurements
- Data storage capacity: Maximum 10 000 results, including RBC, PLT, WBC 3-part histograms and full patient data
- Built-in thermal printer (B/W, 56mm wide paper)
- Operating environment: Temperature: 15-35°C; relative humidity: max 80% (non-condensing)
- User interface: Color TFT touch screen, with separate start button



Abacus 380

The Abacus 380 is the flagship product of Diatron's 3-part differential hematology analyzers. With an 80 test/hour throughput, small footprint, lightweight and user-friendly colour touch screen, it is ideal for laboratories, clinics, and physician practices alike.

Specifications

- Throughput: 80 tests/hour
- Parameters: 22 hematology parameters, including 3-part differential: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, HCT, MCV, RDW, HGB, MCH, MCHC, PLT, PCT, MPV, P-LCC, P-LCR, RDW-CV, RDW-SD, PDW-CV, PDW-SD
- Volumetric impedance method
- Sample volume: 25l of whole blood in normal 3-part mode, 50 µl of pre-diluted blood
- Sampling method: Open tube system with automatic sample rotor
- 3 cyanide-free reagents: Diluent, Lyse, Cleaner
- Diatro•ECO Reagent Pack: Up to 145 measurements
- Aperture diameter: 70 µ (RBC/PLT); 100 µ (WBC)
- Clog prevention: High-voltage burst on aperture in each analysis cycle and high pressure back-flush
- Data capacity: 10 000 results, including RBC, PLT, and WBC 3-part histogram
- Operating temperature: 15-30 °C (59-86 °F). Optimal temperature is 25 °C (77 °F)
- User interface: Easy-to-use, menu driven with touchscreen, separate START button and status LED



Rayto is a leading and professional manufacturer of IVD devices and related software. Main products include Chemistry Analyzer, ELISA Reader and Washer, Coagulation Analyzer, Hematology Analyzer, Chemiluminescence Analyzer and Urine Analyzer. And for Chemistry Analyzer, Coagulation Analyzer, Hematology Analyzer and Chemiluminescence Analyzer, we have original reagents for your choice. Rayto products are widely used in hospital clinics, disease control centers, blood banks, veterinary clinics, scientific research center and college laboratories.

RT - 200C



Features

- Fully automatic
- Easy windows operation system with touch screen or mouse, large LCD display.
- 8 channel optical fiber system enables 5 secs reaching the whole plate
- Bichromatic measurement, calculation modes include ABS, Cut-off, Curve, linear, log and exponent regression
- Random positive control and negative control setting
- Multi-assay feature enables up to 12 different assays on one plate
- Large memory to store upto 100 test protocols and 10000 results.
- Powerful QC function: Grubs, Westgard rules, Levey jennings plot.
- Plate shaking feature
- Auto power-on self-check feature
- Additional lamp saving feature
- Multiform result output including patient comprehensive report
- Ability to communicate with PC for data management
- Easy maintenance design



RT - 3100

Microplate Washer

Features

- Fully automatic
- User friendly operation system with Large LCD display
- Washes flat, U and V-bottom strips and plate
- 12-way or 8-way manifold, automatic and manual positioning
- Large memory, upto 100 wash protocols can be programmed
- Multi-channel, 1or 3 (optional) for wash, 1 for rinse and 1 for waste
- Two 96 well plate incubation positions (optional)
- Liquid level detection and alert function
- Easy maintenance



RT - 6900

Features

- 7" color LCD touch screen with built-in printer
- 8-channel optical fiber system, 5 seconds reading for whole plate
- Support single/dual wavelength measurement
- Plate shaking function, speed and frequency adjustable
- Upto 100 programs and 10,000 sample results storage
- Multi-assay enables upto 12 different assays in one plate
 - Auto self-check when power on
 - Random positive and negative control setting
- Save data automatically in case of power outage
 - Lamp saving function

LIFE SCIENCE

As part of our offerings in the lifesciences division we have partnered with LICOR USA, for – imagers, analysis software, reagents, and consumables for drug discovery, protein research, and small animal imaging and we also have a partnership with Precision X-Ray, USA for Preclinical X-ray Irradiation and Imaging Research Systems. We provide complete research solutions and support for Western blot, targeted therapeutic, virology, and microbiome studies.

BRANDS

The LI-COR logo is displayed in a bold, italicized, blue sans-serif font. A registered trademark symbol (®) is located at the end of the word "COR".The logo for Precision X-Ray Irradiation features the word "PRECISION" in a bold, dark grey sans-serif font. The letter "O" is replaced by an orange circular icon with a white dot in the center. Below "PRECISION", the words "X-RAY IRRADIATION" are written in a smaller, orange, all-caps sans-serif font.

LI-COR Imaging Systems help global leaders in pharmaceuticals and biotechnology reach discoveries that improve the human condition.

For more than 50 years, LI-COR has served the scientific community by offering high-quality instruments, services, and expertise to researchers in biotechnology. Used around the world, LI-COR imaging systems are cited in more than 25,000 scientific publications. LI-COR's customers acquire more than instruments—they get software, education, and support from experts with knowledge built on decades of experience.

Empiria Studio™ Software, for use with Odyssey™ Imagers, was developed in collaboration with the National Institutes of Health, the Journal of Biological Chemistry, the Nature Publishing Group, and Rockefeller University Press. Empiria Studio Software is the only post-processing Data Integrity Software that features workflows based on industry best practices to guide researchers through each stage of a project—from validation and statistical analysis to replicability and publication.

The LI-COR Family of Imaging Systems



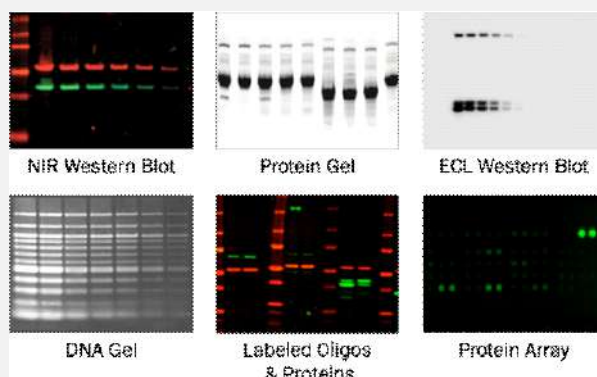
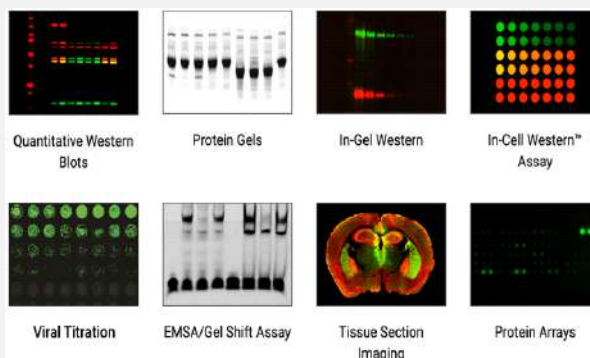


The Odyssey Family of Imaging Systems



ODYSSEY DLX IMAGER

- Laser point scanner
- Stable near-infrared fluorescence detection
- Wide range of assays and applications
- Multiplexing capability



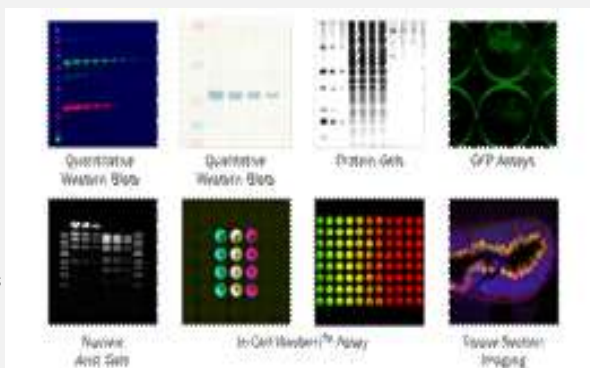
ODYSSEY XF IMAGER

Two modes, NIR fluorescence and chemiluminescence, cover your essential lab assays.

- Quantitative Western Blots
- Chemiluminescent Western Blots
- Nucleic Acid Gels

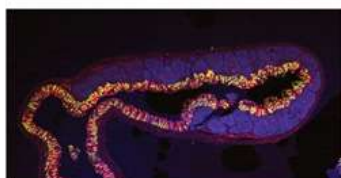
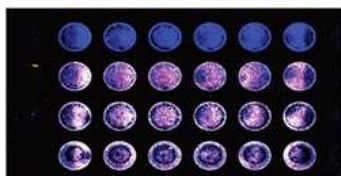
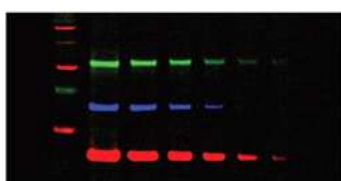
ODYSSEY M IMAGER

- Most comprehensive solution to measure protein expression
- Line scanner
- Stable fluorescence detection
- Trans- and epi-illumination detection
- Chemiluminescence detection (optional)
- Extensive range of assays and applications
- Expanded histology features, such as high-resolution imaging, H&E Staining, etc.
- Additional multiplexing with visible and infrared channels



Odyssey® M Imaging System

A fusion of the industry's most sophisticated imager with innovative software to power you toward scientific discovery



Odyssey M Imager Key Specifications

Optical System

Image Area:

Total Image Area : 25 cm W x 18 cm D (9.8" x 7.1" D)

Image Area of Chemi Region : 15 cm W x 11 cm D (5.9" W x 4.3" D)

Pixel Resolution : 5,10,20,50, or 100um

Dynamic Range* : >6 logs for chemiluminescence (optional) and fluorescence

Detectors:

sCMOS image sensor

Sensor for chemiluminescence:

CCD (pixel size 6.45 um)

Laser Lifetime:

685 nm and 785 nm: 20,000 hours

488 nm and 520 nm: 40,000 hours

Class 1 Laser Product

Light Sources:

RGB LED (trans - illumination)

RGB LED (reflective - illumination)

Solid - state diode laser at 488 nm

Solid - state diode laser at 520 nm

Solid - state diode laser at 685 nm

Solid - state diode laser at 785 nm

Focusing:

Microscope is adjustable -1.00 to 5.00 mm above the scan bed to obtain best signal-to-noise ratio.

Size and Weight

Dimensions (Instrument Only):

61 cm W x 76 cm D x 38 cm H (24" W x 30" D x 15" H)

Height with hood fully open: 71 cm (28")

Weight:

55 kg (121 lbs) w/chemiluminescence module

52 kg (121 lbs) w/chemiluminescence module

Software Specifications

LI-COR Acquisition Software

Operating System : Windows 10 (64 bit)

Memory : Minimum 16 GB

Hard Drive : Solid state

Empiria Studio Software

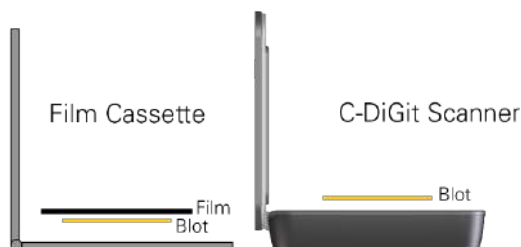
Operating System : Windows 10 (64 bit) Mac OS Mojave or Catalina

Memory : Minimum 8 GB

The DiGit DUO

C-DiGit®

The C-DiGit Blot Scanner delivers modern, industry standard digital imaging technology at a price friendly to budget-conscious programs.



- Chemiluminescence imager
- Compact
- Simple to use
- Low cost

D-DiGit®

The D-DiGit® scanners deliver complete picture without compromising data quality. Excellent sensitivity provided by the optical system and fluorescence chemistry



D-DiGit® Blot Scanner

- LED Optics
- No DNA damage
- Band excision
- Compatible with:
- SYBR Family
- GelGreen™ Family
- GelRed™ Family

D-DiGit® Gel Scanner

- All-inclusive nucleic acid gel imager
- Compact
- Low cost



Pearl Trilogy Small Animal Imaging System

FieldBrite™ XT²Technology

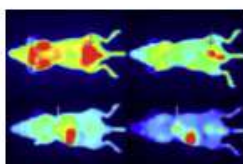
- Broad dynamic range
- >6 logs
- Simple & fast acquisition
- No need to adjust settings
- 30 – 60 sec imaging
- Sensitivity
- IR laser detection and deep tissue imaging
- Data Accuracy & Reproducibility
- %CV: <3
- High resolution imaging
- 84 um
- Additional imaging channels
- White light & BLI



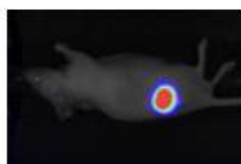
Modalities

- Infrared Fluorescence
- Bioluminescence
- White Light

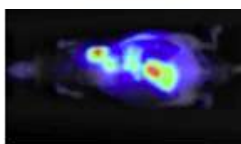
FieldBrite™ Xi²Optical System



Biodistribution and
Clearance



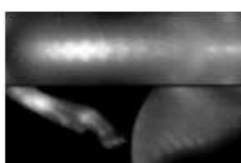
Bioluminescence
Imaging



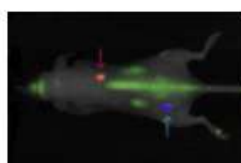
Therapeutic
Response



Vascular and
Lymphatic Imaging



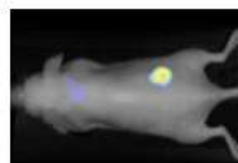
Bone Imaging



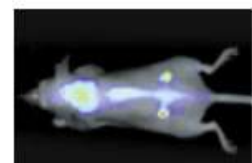
Fluorescence Protein
Detection



Application



Target Specificity



Therapeutic Delivery

Precision X-Ray – the Global Standard for Preclinical X-ray Irradiation and Imaging Research Systems

Precision X-Ray is the largest dedicated biological cabinet x-ray company, providing safe, reliable, repeatable high dose rate X-ray Irradiators for modern translational research. Precision employs the knowledge and experience to manufacture and support X-Ray irradiators worldwide.



Small Animal IGRT Platform

Mimicking clinical Radiotherapy imaging and treatments, the SmART+ brings a highly sophisticated expandable platform to the field of Preclinical Research.

Precision offers the largest and most powerful small animal IGRT unit on the market. The Small Animal Radiation Therapy (SmART+) platform is a state-of-the-art focal irradiation system that mimics clinical radiotherapy and imaging. With its sophisticated set of features and easy-to-use software interface, it is the perfect tool for image-guided radiation research. Using Cone-Beam CT, μ CT and a fully integrated Bioluminescence (BLI) imaging module, the SmART+ offers the ability to image, target, and irradiate cells, and small animals ranging from mice to rabbits with unprecedented accuracy. The robust and sleek interface of the SmART-Advanced Treatment Planning (ATP) system allows the user to define complex treatment plans with the simple click of a button.

Range Features

- Cabinets require no additional shielding
- Flexible design allowing installations in almost any laboratory space
- Precision X-Ray electromechanics for advanced targeting accuracy
- Full suite of software tools for complete system control
- Rapid, accurate treatments with SmART ATP
- Complies with US and International regulations for Cabinet X-ray Systems

**Fun Integrated X-ray System**

A series of compact, fully integrated x-ray irradiators that are simpler, safer alternatives to radioisotope irradiators

Featuring 350kV, 225kV and 160kV energy ranges with Automated Dose QA, the MultiRad range was designed to deliver plug and play systems with the highest dose and the most uniform beam profile, while requiring the least amount of physics support.

**Expandable X-ray Platform**

The X-Rad Irradiation and Imaging Platform is the standard by which all other irradiator cabinets are measured.

Widely used around the world due to its flexibility of application with a wide range of kV models, from 160–320kV, and large cabinet sizes, the optional OptiMax imaging module, and a full line of expandable options and accessories, offering the ability to customize and add to your system as your x-ray research needs grow.

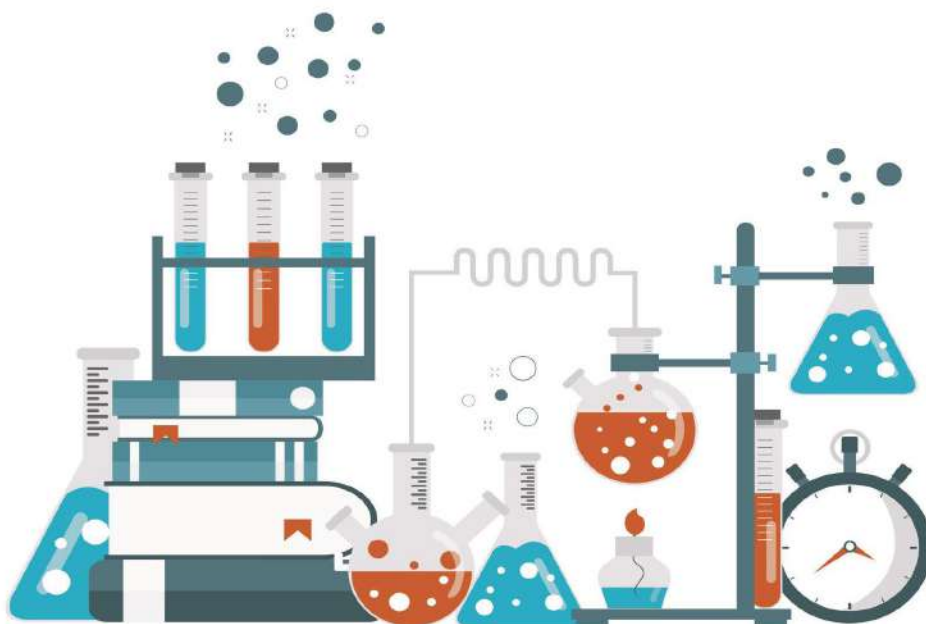
**Benchtop X-ray Irradiator**

Designed for placement directly on the lab benchtop, eliminating the need to transport cells to another facility.

A dedicated cabinet x-ray cell irradiator that can be located arm's -length from the incubator, the CellRad irradiates cells without compromising sterility or security. A great alternative to radioisotope irradiators that is simple, safer and more cost effective.



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