



سمير SAMIR

C L I N I C A L

P R O F I L E 2025

# SAMIR

## TRADING & MARKETING

With over 70 years of experience, Samir Trading & Marketing has established itself as a leading and esteemed business in Saudi Arabia. From its humble beginnings as Studio SAMIR in 1953, we have grown into a prominent player in the sales and marketing industry, delivering exceptional products and solutions to our valued clients.

We represent renowned multinational brands, offering a wide range of products and solutions, including Medical and Health Imaging, Clinical Laboratory, Dental technology, Therapeutics & Diagnostics technology, Picture Archiving and Communication Systems (PACS), high-volume printers, large format scanners, as well as Audio visual solutions, we provide cutting-edge technology for hospitality establishments, corporate technology needs, educational institutions, entertainment venues, government facilities and more.

At SAMIR, our priority is customer satisfaction, and we strive for excellence in delivering advanced technology solutions. With a commitment to innovation, integrity, and a customer-centric approach, we have earned the trust of businesses and individuals throughout the Kingdom.

## OUR DIVISIONS



# CLINICAL

Science does not make it possible to know the future, but, it certainly shapes how life progresses. When a diagnosis is made, the path to health becomes clearer. Better choices can be made and it all begins with empowering the laboratory.

Thus, supporting clinical professionals for improving patient care is the reason for the establishment of Clinical Division in our organization where devoted team works diligently to provide total solutions for the following different clinical lines may it be through screening, diagnosing, monitoring or confirming diseases early before they put lives at risk.

Our diagnostic fields are Autoimmune diagnostics, Infectious serology, Allergy diagnostic, Food intolerance diagnostic, Antigen detection and Molecular & Automation Diagnostic. Using Serological detection methods of Indirect Immunofluorescence, Elisa, Multipara meter Line blots, Microarray. All while using advanced Automation and laboratory management systems.



Transfusion  
Medicine



Immuno  
Haematology



Haematology



Microbiology



Chemistry  
(Dry & Wet)



Immunoassays

 **QuidelOrtho™**

EUROIMMUN 

**HORIBA**

**macopharma**  
*We support life*

BIO TECHNOLOGY  
**boditech**

**DiaSys**

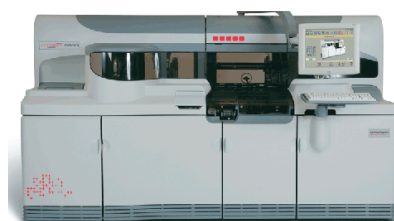


QuidelOrtho delivers precision and dedication to diagnostic testing, addressing a wide range of health conditions from infectious diseases to complex analyses. With a rich history spanning over 120 years, they serve the entire healthcare spectrum, from high-volume labs to point-of-care settings, leveraging expertise in immunoassay and molecular testing. As a leading IVD provider, QuidelOrtho is driven by a commitment to advancing diagnostic science and improving global health, passionately pursuing innovation to create a healthier future for all.

## VITROS® Automation Solutions

### VITROS® 5600 Integrated System

The VITROS® 5600 system combines our comprehensive clinical chemistry and immunoassay menus of more than 160 assays – all on a single integrated platform – delivering high quality, productivity and value to your lab.



### VITROS® 4600 Chemistry System

The broad menu of VITROS® assays enables specialty testing, including MicroTip Partnership Assays (MPAs) that cover novel markers. With configurable assay ranges, your lab can account for seven demographic attributes for greater specificity. So you can give clinicians the insights they need, and patients can get to treatment quickly.



### VITROS® 3600 Immunodiagnostic System

Meet your lab's immunoassay testing needs with the VITROS 3600 system, designed to deliver results with speed and accuracy. Equipped with built-in intelligent technologies, the VITROS 3600 has the quality and reliability that comes from constant innovation and improvement.





### VITROS® XT 7600 Integrated System

The VITROS XT 7600 Integrated system offers a full clinical chemistry and immunoassay menu in one easy-to-use system that delivers industry-leading uptime.\* Built-in technologies improve efficiency and quality, allowing for scalable automation solutions that streamline your workflow.



### VITROS® XT 3400 System

Powered by intelligent technologies and digital imaging technology, the VITROS XT 3400 system helps labs meet routine testing needs and with proven high-quality results and system reliability in a small footprint.



# VITROS® Assay Menu

## VITROS® ECI/ECiQ Immunodiagnostic Systems

### VITROS® 3600 Immunodiagnostic System

#### VITROS® XT 3400 Chemistry System

#### VITROS® 4600/5,1 FS Chemistry Systems

#### VITROS® 5600 Integrated System

#### VITROS® XT 7600 Integrated System

### CARDIAC

Apolipoprotein A1	+	+	+		
Apolipoprotein B	+	+	+		
Cholesterol	+	+	+	+	
CKMB	+	+	+	+	
CKMB Mass	+	+			+
Direct HDL	+	+	+	+	
Direct LDL	+	+	+		
Homocysteine	+	+	+		
hsCRP	+	+	+		
LDH	+	+	+	+	
Lipoprotein(a)* <sup>5</sup>	+	+	+		
Myoglobin	+	+			+
NT-proBNP	+	+			+
Total CK	+	+	+	+	
Triglycerides	+	+	+	+	
hs Troponin I	+	+			+

### DRUGS OF ABUSE (URINE)

Amphetamines	+	+	+		
Barbiturates	+	+	+		
Benzodiazepines	+	+	+		
Buprenorphine* <sup>2</sup>	+	+	+		
Cocaine Metabolites	+	+	+		
DRI® Ecstasy* <sup>2</sup>	+	+	+		
Ethyl Glucuronide* <sup>2</sup>	+	+	+		
Heroin Metabolite* <sup>2</sup>	+	+	+		
Methadone	+	+	+		
Methadone Metabolite* <sup>2</sup>	+	+	+		
Opiate	+	+	+		
DRI® Oxycodone* <sup>2</sup>	+	+	+		
PCP	+	+	+		
THC	+	+	+		
Tricyclics (serum)* <sup>2</sup>	+	+	+		
Propoxyphene* <sup>2</sup>	+	+	+		

### INFECTIOUS DISEASE

Anti-HIV 1+2	+	+			+
Anti-HCV	+	+			+
Anti-HBc	+	+			+
Anti-HBc IgM	+	+			+
Anti-HBe	+	+			+
Anti-HBs	+	+			+
Anti-HAV IgM	+	+			+
Anti-HAV Total	+	+			+
Anti-HTLV I/II	+	+			+
Anti-SARS-CoV-2 Total	+	+			+
Anti-SARS-CoV-2 IgG	+	+			+
CMV IgG	+	+			+
CMV IgM	+	+			+
HBeAg	+	+			+
HBs Ag ES Confirmatory	+	+			+

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HBs Ag ES	+	+			+
HIV Combo	+	+			+
Rubella IgG	+	+			+
Rubella IgM	+	+			+
T. Cruzi	+	+			+
SARS-CoV-2 Antigen	+	+			+
Toxoplasma IgG	+	+			+
Toxoplasma IgM	+	+			+
Syphilis	+	+			+

### ONCOLOGY

AFP	+	+			+
Beta 2 microglobulin <sup>1</sup>	+	+	+		
CA 125 IITM	+	+			+
CA 15-3TM	+	+			+
CA 19-9TM	+	+			+
CEA	+	+			+
IgA	+	+	+		
IgG	+	+	+		
IgM	+	+	+		
Kappa Free Light Chain* <sup>5</sup>	+	+	+		
Lamda Free Light Chain* <sup>5</sup>	+	+	+		
Free PSA	+	+			+
Total PSA II	+	+			+

### TOXICOLOGY

Acetaminophen	+	+	+	+	
Alcohol	+	+	+	+	
Cholinesterase	+	+	+	+	
Salicylate	+	+	+	+	

### PRENATAL

CMV IgG	+	+			+
CMV IgM	+	+			+
Rubella IgG	+	+			+
Rubella IgM	+	+			+
Toxoplasma IgG	+	+			+
Toxoplasma IgM	+	+			+
Total β-hCG	+	+			+

### THERAPEUTIC DRUG MONITORING

QMS® Amikacin* <sup>2</sup>	+	+	+		
Caffeine	+	+	+		
Carbamazepine	+	+	+	+	
Digitoxin* <sup>2</sup>	+	+	+		
Digoxin	+	+	+	+	
Gentamicin	+	+	+		
Lithium	+	+	+	+	
Methotrexate* <sup>6</sup>	+	+	+		
Emiit® 2000 Phenobarbital* <sup>3</sup>	R	+	+		
Phenytoin	+	+	+	+	
Theophylline	+	+	+	+	
Tobramycin	+	+	+		
Valproic Acid	+	+	+		

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#### VITROS® 5600 Integrated System

#### VITROS® XT 7600 Integrated System

Vancomycin	+	+	+		
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### RESPIRATORY

Carbon Dioxide	+	+	+	+	
Chloride	+	+	+	+	
Potassium	+	+	+	+	
Sodium	+	+	+	+	

### SKELETAL/BONE

ALKP	+	+	+	+	
Calcium	+	+	+	+	
Intact PTH	+	+			+
NTx	+	+			+
Phosphorus	+	+	+	+	
Vitamin D	+	+			+

### PANCREATIC

Amylase	+	+	+	+	
Lipase	+	+	+	+	

### NUTRITIONAL ASSESSMENT

Albumin (turbidimetric) <sup>1</sup>	+	+	+		
Direct TIBC	+	+	+		
Ferritin	+	+			+
Folate	+	+			+
Iron	+	+	+	+	
Prealbumin	+	+	+		
Total Protein	+	+	+	+	
Transferrin	+	+	+		
Vitamin B12	+	+			+

### ANEMIA

Direct TIBC	+	+	+		
Ferritin	+	+			+
Folate	+	+			+
Iron	+	+	+	+	
TIBC	+	+			+
Transferrin	+	+	+		
Vitamin B12	+	+			+

### GENERAL CHEMISTRY

Amylase	+	+	+	+	
Calcium	+	+	+	+	
Glucose	+	+	+	+	
Lactate	+	+	+	+	
LDH	+	+	+	+	
Lipase	+	+	+	+	
Magnesium	+	+	+	+	
Phosphorus	+	+	+	+	
Total CK	+	+	+	+	
Urea	+	+	+	+	
Uric Acid	+	+	+	+	

### RENAL

Albumin	+	+	+	+	
Calcium	+	+	+	+	
Carbon Dioxide	+	+	+	+	



# VITROS® Assay Menu

## VITROS® ECI/ECIQ Immunodiagnostic Systems

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#### VITROS® XT 7600 Integrated System

Chloride	+	+	+	+
Creatinine	+	+	+	+
Cystatin C* <sup>5</sup>	+	+	+	
Glucose	+	+	+	+
Microalbumin	+	+	+	
Phosphorus	+	+	+	+
Potassium	+	+	+	+
NephroCheck®	+	+	+	+
Sodium	+	+	+	+
Urea	+	+	+	+
Uric Acid	+	+	+	+
Urine Protein	+	+	+	+

### HEPATIC

AAT	+	+	+	
Albumin	+	+	+	+
ALKP	+	+	+	+
Alpha-2 Macroglobulin* <sup>1</sup>	+	+	+	
ALT	+	+	+	+
Ammonia	+	+	+	+
AST	+	+	+	+
BuBc	+	+	+	+
Ceruloplasmin* <sup>1</sup>	+	+	+	
Cholinesterase	+	+	+	+
GGT	+	+	+	+
IgA	+	+	+	
IgG	+	+	+	
IgM	+	+	+	
Prealbumin	+	+	+	
Total Bilirubin	+	+	+	+

### SPINAL

Glucose (csf)	+	+	+	+
Total Protein (csf)	+	+	+	+

### LIPIDS

Apolipoprotein A1	+	+	+	
Apolipoprotein B	+	+	+	
Cholesterol	+	+	+	+
Direct HDL	+	+	+	+
Direct LDL	+	+	+	
Triglycerides	+	+	+	+

### INFLAMMATORY

Alpha-1 Acid glycoprotein* <sup>1</sup>	+	+	+	
ASO	+	+	+	
C3	+	+	+	
C4	+	+	+	
CRP	+	+	+	+
HPT	+	+	+	
IgA	+	+	+	
IgG	+	+	+	
IgM	+	+	+	
RF	+	+	+	

## VITROS® ECI/ECIQ Immunodiagnostic Systems

### VITROS® 3600 Immunodiagnostic System

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#### VITROS® 5600 Integrated System

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### SEPSIS

Procalcitonin (PCT)	+	+	+	+
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### THYROID/METABOLIC

Cortisol	+	+	+	+
Free T3	+	+	+	+
Free T4	+	+	+	+
Intact PTH	+	+	+	+
Lactate	+	+	+	+
T3 Uptake	+	+	+	+
Total T3	+	+	+	+
Total T4	+	+	+	+
TSH	+	+	+	+

### DIABETES

Beta-Hydroxybutyrate* <sup>4</sup>	+	+	+	
Creatinine	+	+	+	+
Glucose	+	+	+	+
Glycated Serum Protein* <sup>5</sup>	+	+	+	
HbA1c	+	+	+	
Insulin	+	+	+	+
Microalbumin	+	+	+	
C-Peptide	+	+	+	+
Urea	+	+	+	+

### REPRODUCTIVE

Estradiol	+	+	+	+
FSH	+	+	+	+
LH	+	+	+	+
Progesterone	+	+	+	+
Prolactin	+	+	+	+
Testosterone	+	+	+	+
Total β-hCG	+	+	+	+

### IMMUNOSUPPRESSANT DRUGS

Cedia® Cyclosporine* <sup>2</sup>	+	+	+	
QMS® Everolimus* <sup>2</sup>	+	+	+	
Cedia® Mycophenolic Acid* <sup>2</sup>	+	+	+	
QMS® Tacrolimus* <sup>2</sup>	+	+	+	

### COAGULATION AND FIBRINOLYSIS

Antithrombin III* <sup>1</sup>	+	+	+	
Fibrinogen* <sup>1</sup>	+	+	+	
D-Dimer* <sup>5</sup>	+	+	+	



The VITROS® XT MicroSlides® combine two thin film reagents onto the same slide. These assays can be run on the new VITROS® XT Systems\*.

XT MicroSlides	VITROS® XT 7600	VITROS® XT 3400
ALT & AST	+	+
UREA & CREA	+	+
TRIG & CHOL	+	+
TBIL & ALKP	+	+
GLUC & CA	+	+
ALB & TP	+	+

\* The VITROS® XT Systems and XT MicroSlides are not available for sale in all countries.

+ = Available

(+) = Availability expected

D = In development/currently not available

R = Requires resubmission to be run on the VITROS® XT 7600

\* MicroTip Partnership Assay (MPA); Reagents and validated applications available directly from Ortho Clinical Diagnostics; Product availability subject to third party's or their agent's capability to support the laboratories.

Supplier information:

1. DiAgam
2. Thermo Fisher Scientific Inc
3. Siemens Healthcare
4. Stanbio Laboratory
5. Diazyme Laboratories, Inc
6. ARK Diagnostics, Inc

CA 125 II™, CA 15-3™ and CA 19-9™ are trademarks of Fujirebio Diagnostics Inc.

CEDIA®, DRI® and QMS® are registered trademarks of Thermo Fisher Scientific and its subsidiaries.

HIV and Hepatitis co-developed with Grifols.

Product availability is subject to fulfillment of regulatory requirements in each market.



## Automated Immunohematology Solutions

### Vision® Swift Analyzer

Ortho Vision Swift can automate more than 99% of blood typing and antibody screening, without compromising turnaround time. Swift analyzers have the most diverse testing capabilities on the market today, including serial dilutions for titration studies, selected cell panels and open channels.



### Vision® Max Swift Analyzer

Built on the proven design of the Ortho Vision platform, our Ortho Vision Max Swift analyzer maximizes efficiency with dependable full menu automation



### ORTHO™ Workstation Increase precision and accuracy

Provide the accuracy your patients deserve with a validated system of ID-MTS™ Gel Cards the serological standard for blood banks with centrifuge and incubator. Proven reliable ID-MTS™ Gel Cards offer clear, stable, well-defined end points, objective interpretation of results, and a full assay portfolio.





## Test Systems from Ortho Clinical Diagnostics

- **Total antibody solution**

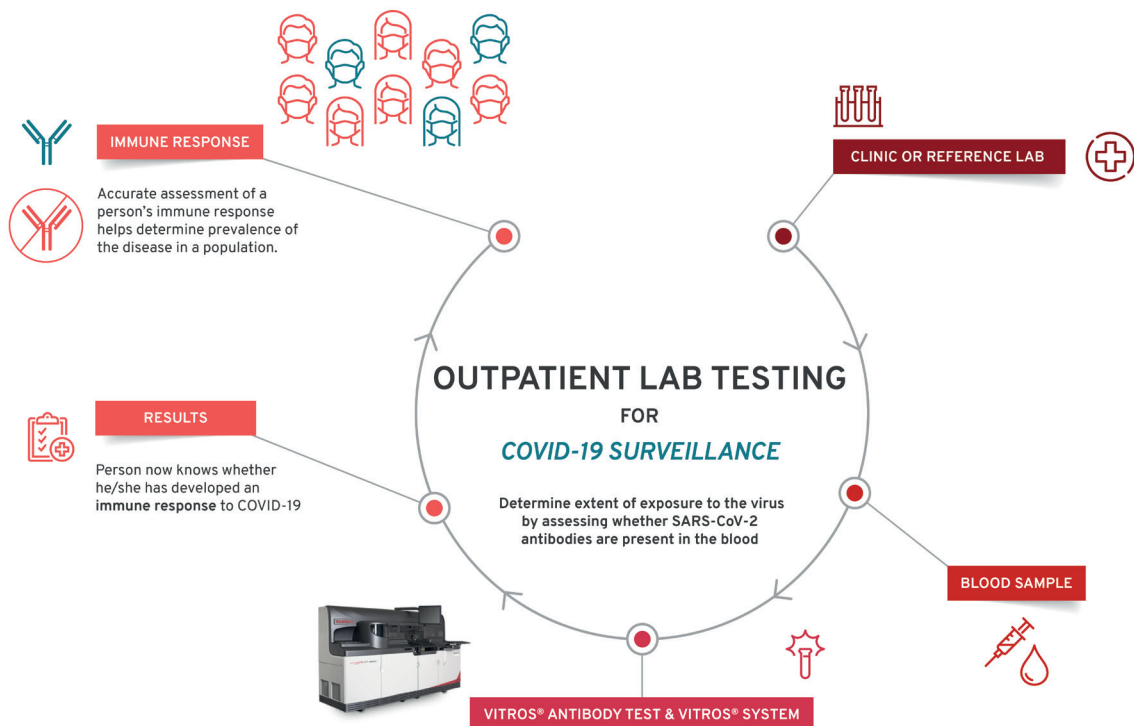
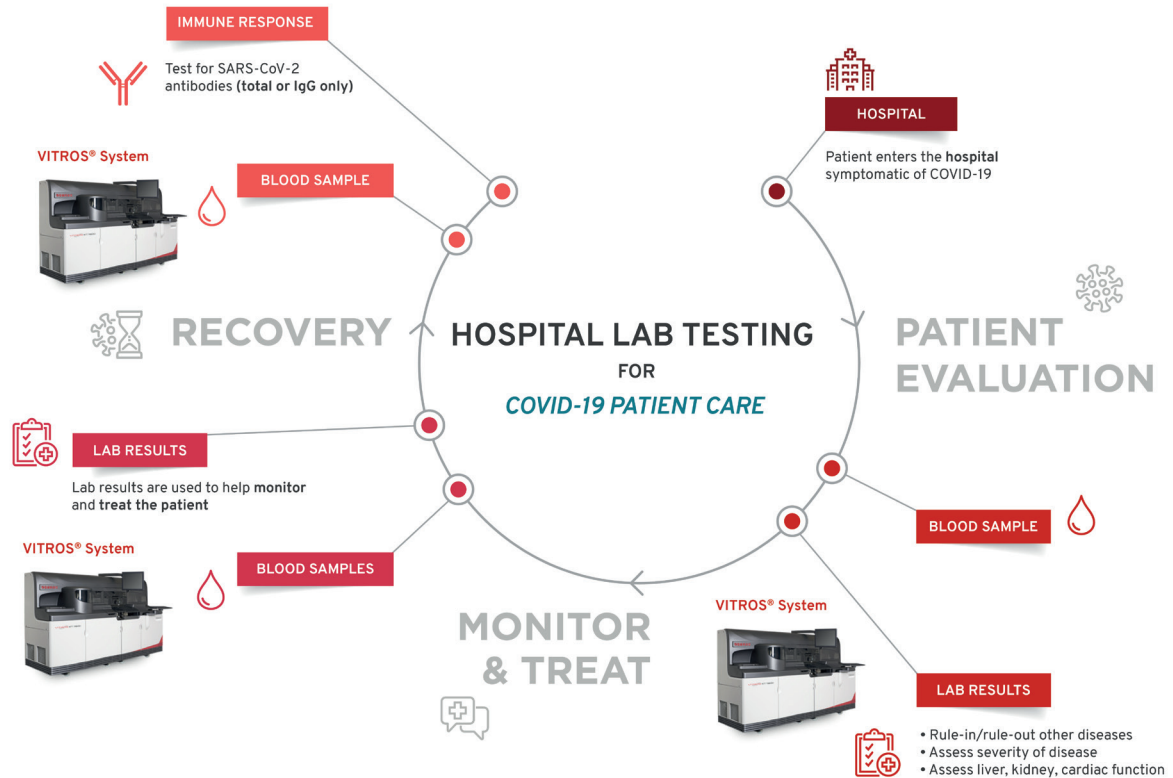
VITROS® Anti-SARS-CoV-2 Total test qualitatively measures total (ALL) antibodies to the SARS-CoV-2 virus (IgG, IgM, IgA and other isotypes) and therefore has the widest clinical utility to measure immune response. This antibody test can be used to aid in the diagnosis of acute or past infection in conjunction with other laboratory tests and or clinical information. In addition, this test may be used in population surveillance for viral exposure.

- **IgG antibody solution**

The VITROS® Anti-SARS-CoV-2 IgG test qualitatively measures IgG Antibodies to the SARS-CoV-2 virus. This antibody test has long-term applicability in identifying patients with an adaptive immune response, indicating recent or prior infection. In addition, this test may be used in population surveillance for viral exposure.

Total Antibody	IgG Antibody
Indicates a recent or prior infection	Indicates a recent or prior infection
Detects all antibodies - IgM, IgA, and IgG	Detects the IgG antibody
Helps identify current or past exposure to SARS-CoV-2	Helps identify an adaptive immune response

## Test Systems from Ortho Clinical Diagnostics



A chemical reaction occurs that generates a light signal that is measured by the system to determine whether the specimen is reactive or non-reactive.



As a leading provider of medical diagnostics, EUROIMMUN specializes in the manufacture and distribution of high-quality in-vitro diagnostic products. Their comprehensive range covers autoimmune, infectious, allergy, and molecular testing, ensuring accurate diagnoses for optimal patient care. EUROIMMUN's commitment to quality, combined with expert scientific support, establishes them as a reliable and valuable partner

## EUROIMMUN Analyzer I

The EUROIMMUN Analyzer I is an open system for fully automated ELISA processing of up to 7 microplates and 180 patient samples in one run. The combination of EUROIMMUN ELISAs and EUROIMMUN Analyzer I enables a quick and simple, but also a secure routine operation, owing to the automatic recognition and allocation of reagents and the import of QC data via Data Matrix codes.



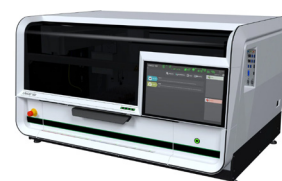
## EUROBlotOne

The EUROBlotOne is a compact tabletop device for complete processing of immunoblots. Following the fast and convenient software-guided loading, the system performs the identification and dilution of samples as well as all incubation and wash steps. Eight reagent channels allow the combination of tests from the areas of autoimmune and infection diagnostics in one run, as well as allergy in the same device.



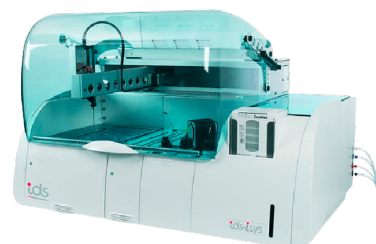
## UNIQO 160

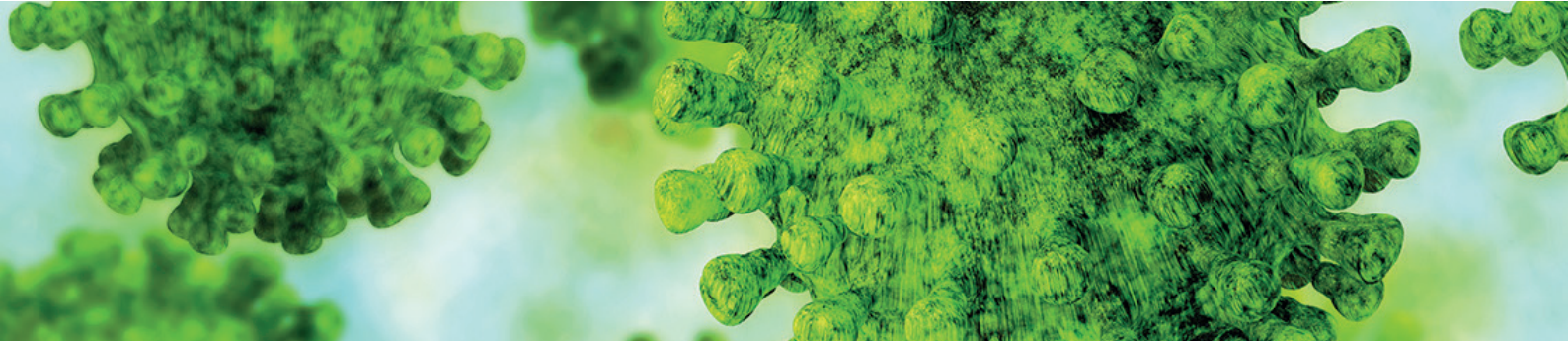
The UNIQO 160 provides full IFA automation of the next generation – from the primary sample to the result proposal. This all-in-one solution maximizes the efficiency of the entire IFA process, encompassing sample preparation, incubation, washing and mounting of slides as well as image acquisition. Via the interface to the EUROLabOffice 4.0 middleware, the indirect immunofluorescence with the UNIQO 160 can integrate seamlessly into the efficient workflows of diagnostic laboratories.



## ChLIA - IDS-iSYS

The random-access device IDS-iSYS Multi-Discipline Automated System (Manufacturer: IDS Immunodiagnostic Systems) is a compact automation solution for the processing of chemiluminescence immunoassays (ChLIA) in the field of autoimmune, infection and allergy diagnostics as well as antigen detection. Samples can be loaded continuously which means that each patient sample can be processed efficiently and with minimal hands-on time.





## Autoimmune diagnostics

### Rheumatology

- Connective tissue diseases
- SLE
- Vasculitis
- Rheumatoid arthritis
- Anti-phospholipid syndrome
- Myopathy

### Endocrinology

- Infertility
- Diabetes
- Thyroid diseases

### Hepatology

- Hepatology
- Autoimmune hepatitis
- Primary biliary cholangitis
- Primary sclerosing cholangitis

### Nephrology

- Nephrology
- Primary membranous nephropathy
- Goodpasture's syndrome

### Gastroenterology

- Coeliac disease
- Chronic inflammatory bowel diseases
- Autoimmune gastritis/ pernicious anaemia

### Dermatology

- Autoimmune dermatoses

## Infection Diagnostics

- SARS-CoV-2 infection / COVID-19
- CSF diagnostics
- Sexually transmitted infections
- Herpes virus infections
- Gastrointestinal infections
- Parasite infections
- Tick-borne infections
- Mycoses
- Respiratory infections
- Pregnancy-relevant infections
- Emerging diseases
- Vaccine-preventable diseases

## Allergy Diagnostics

- Inhalation
- Food
- Atopy
- Insect venoms
- DPA-Dx
- Anti-CCD absorbent

## Antigen Detection

### Neurodegeneration

- Alzheimer's disease
- Amyotrophic lateral sclerosis (ALS)

## Molecular genetic diagnostics

### Molecular genetics

- HLA-B57:01
- HLA-B27
- APOE
- HLA-Cw6
- HFE gene (haemochromatosis)
- HLA-DQ2/DQ8
- Lactose / fructose intolerance
- Factor V (Leiden) / factor II / MTHFR

### Molecular infection diagnostics

- Respiratory diseases
- Dermatomycosis
- Herpesviruses
- HPV (humanpapillomaviruses)
- STI (sexually transmitted pathogens)
- Tuberculosis

The HORIBA Medical Segment designs, develops and distributes worldwide, in vitro diagnostic systems mainly destined for biological analysis in medical laboratories. These automated analyzers meet the needs of various users including patients, doctors, private laboratories, clinics and university hospitals. HORIBA expertise in in vitro diagnostics is one of the most respected in hematology worldwide and contribute today to the health of tomorrow.

## Hematology Analyzers

### Yumizen H2500/H1500

- A real throughput of 120 samples per hour for CBC-DIFF NRBC and slides
- Expert multi sites validation station embedding standard rules packages
- On board reagents (5 for Yumizen H2500 and 4 for Yumizen H1500)
- Automatic 360°C rotative sample mixing for perfect homogeneity
- Up to 57 parameters



### YUMIZEN P8000

The HORIBA Medical Hematology validation station to improve your laboratory workflow and to automatize the results validation.

- Save time: Predefined rules package
- Flexibility: Tailor-made rules adapted to your standardized laboratory procedures
- Improves your workflow
- Secured: Complete traceability Automatic database backup saved.





### YUMIZEN T6000

The Yumizen T6000 is the innovative HORIBA Medical laboratory automated solution specifically developed for our HELO\* Solution. \*HORIBA Evolutive Laboratory Organization.

- Compact & suitable configurations
- Scalable panel of analytical configurations
- Fully evolutive solution
- Continuously optimized Turn Around Time (TAT)



### Yumizen SPS

The Yumizen SPS offers an optimal blood smear quality in a completely secure enclosure.

- Intelligent modes of use
- User and results security
- Quality of the blood smear
- Turn Around Time (TAT) optimized



### Yumizen H550/H500 & ESR

The new Yumizen H550 and Yumizen H500 automated hematology analyzers are capable of performing complete blood count (CBC) and leukocyte 5-part differential (DIFF) tests. The ESR (Erythrocyte Sedimentation Rate) models, Yumizen H550E and Yumizen H500E provide combined results of CBC, DIFF, and ESR, thanks to the patented CoRA (Correlated Rouleaux Analysis) technology.







## HEMOSTASIS

### Yumizen G1500h/G1550h

HORIBA Medical Yumizen G1500h and Yumizen G1550h are fully automated, high-capacity hemostasis analyzers with Advanced Pre-Analytical Sample Integrity (A-PSI) for clinical laboratories with mid to high workloads.



### Yumizen G800h/G850h

HORIBA Medical Yumizen G800h and Yumizen G850h are fully automated benchtop hemostasis analyzers with Advanced Pre-Analytical Sample Integrity (A-PSI) for laboratories with mid-size workloads.



### Yumizen G405

Yumizen G405 is a semi-automated 4-channel hemostasis analyzer for routine and specialized hemostasis tests. The analyzer uses nephelometric, chromogenic and immunoturbidimetric methods to provide accurate results.



Macopharma has supported life for over 40 years by providing our donors and patients with safe and innovative solutions. They offer quality blood transfusion products and services to collect, process and store blood components, while committing to a sustainable development that covers the entire production chain.

their development has always been based on a collaborative approach triggered by close relationships relying on trust and dialogue with our partners, customers and users. Supporting life with solutions and products designed for life, is at the very core of who we are.

## Collection Solutions

### Macolounge

**Donors have the power to save lives. That is why our donation chair offers them the highest level of comfort.**

- User-friendly construction and high flexibility combined with maximum comfort make this donation chair optimal for both donors and collection team
- Infinitely adjustable chair surface by means of an electric drive
- Assumes the shock or Trendelenburg position quickly



### MacoSeal Light

The MacoSeal Light is the new innovation by Macopharma, a cordless sealer with an extended battery autonomy, a unique compact lightweight shape and an outstanding intuitive sealing button enabling every usage configuration.

The remarkable design of the MacoSeal Light was meant to increase the device capabilities while optimising its ergonomics and reducing manual efforts.

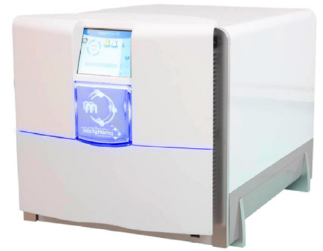


## Pathogen Inactivation Solutions

### Macotronic B2 Illumination machine

#### **FAST, SMALL, & SAFE**

Methylene Blue plasma is illuminated under visible light using the MacoTronic B2 the latest generation of illumination machine, a user-friendly benchtop device.



## Separation Solutions

### MacoPress smarter

With automatic cannula breaking, red cell mixing, and an intuitive operator interface, the Macopress Smarter provides a fully flexible solution for automated blood component separation.



### MacoSeal SE160

Our user – friendly automatic benchtop sealer offers the flexibility to be used either independently or in a multi – head sealing configuration.

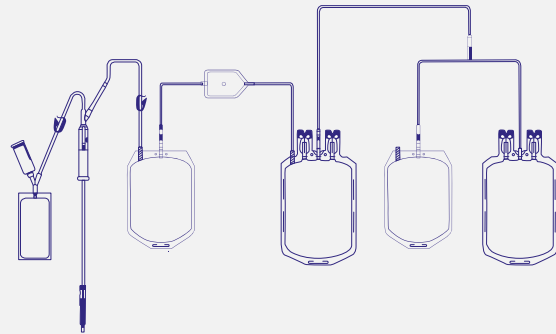


## Leukodepletion Solutions

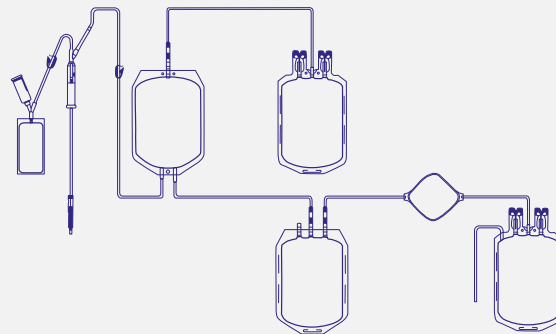
Leukodepletion is a major step to improve transfusion safety thanks to a significant reduction of patient adverse reactions and pathogen transmissions.

Macopharma develops and manufactures leukodepletion systems to improve the quality and the safety of blood components, allowing better patient outcome.

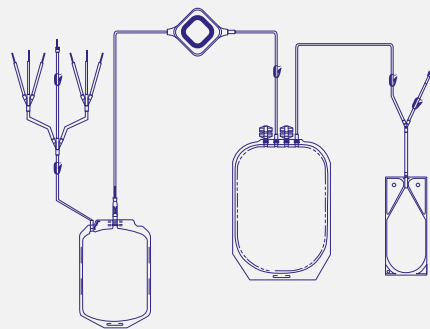
### Whole blood bag with inline filter



### Red cells in-line filter



### Thromboflex leukodepletion platelet filter



## Platelets Solutions

### Maconnect

Maconnect is a unique and innovative concept, especially designed to optimize, simplify and step up the platelets preparation process, while guaranteeing the preparation of a safe platelet concentrate. Maconnect is the very first multiple sterile connection device, especially designed for pooling operations.

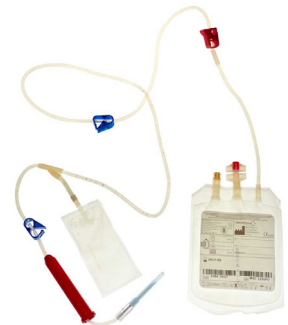


## Cord Blood Solutions

### Collection bags

Macopharma collection bags are specifically designed for the collection of human umbilical cord blood.

The collection bags are sterile and suitable for vaginal births and caesarean section deliveries in operating theaters.



### Macomix DCN7 – Blood Collection Mixer

Macopharma's Macomix DCN7 Automatic scale for whole blood collection, made with state-of-the-art technology, is perfectly sized for small spaces, is resistant and durable.

High traceability with smart data management and bidirectional software, it has a modern design that monitors donations easily and safely, and thanks to its multifunctional battery system it's suitable for mobile blood donation and has an automatic self-locking clamp.



Boditech Med Inc. has been developing products for in-vitro diagnostics and diagnostic reagents for the past 20 years by pursuing the value of a company called “Respect for Life”. In particular, about 60,000 units of ichroma™ readers are installed and operated world-wide, and ichroma™ CRP (C-Reactive Protein) has secured its largest market share in China, showing a unique competitiveness. Boditech Med Inc. is leading the way in exploring new markets through the automation of on-site diagnosed immunodiagnostic devices and the development of new high-sensitive diagnostic reagents.

### AFIAS-1

#### A compact immunoassay analyzer with the all-in-one cartridge system

AFIAS-1 is a single channel lateral flow immunoassay platform. The disposable cartridge includes all the reagents necessary for the test.



### AFIAS-3

#### A compact & advanced immunoassay analyzer for multiple testing with all-in-one cartridge system

AFIAS-3 is a compact and versatile lateral flow immunoassay platform with three independent channels. AFIAS-3 enables three testing simultaneously therefore it can provide various panel testing such as cardiac, hormone, and inflammation testing. AFIAS-3 will be useful in places of small laboratories, medium hospitals, and private clinics with its versatility and user-convenience.



### AFIAS-6

#### Automated Immunoassay Analyzer with the all-in-one cartridge system

AFIAS-6 is a compact and versatile lateral flow immunoassay platform with three independent channels. AFIAS-6 enables three testing simultaneously therefore it can provide various panel testing such as cardiac, hormone, and inflammation testing. AFIAS-6 will be useful in places of small laboratories, medium hospitals, and private clinics with its versatility and user-convenience.





## AFIAS-10

**Automated Immunoassay Analyzer with blood collection tube, including all-in-one cartridge system**

AFIAS-10 is a unique integrated Sample-to-Answer system that can execute 10 parallel tests for each different parameter. AFIAS-10 provides a quick and simplified operation and reliable test result with automatically collecting a sample from a blood tube.



## 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.



## 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.



## ichroma™ M2

**A portable and compact immunoassay analyzer**

ichroma™ M2 is a compact, hand-held immunoassay reader platform that shares cartridges with other platforms from Boditech Med. It can run on external batteries to enhance its mobility. We optimized the system for delivering diagnostics for respiratory infections such as COVID-19, influenza, and RSV.





## ichroma™ M3

### A portable and compact immunoassay analyzer

ichroma™ M3 is a compact, hand-held immunoassay reader platform that shares cartridges with other platforms from Boditech Med. It can run on external batteries to enhance its mobility. ichroma™ M3 is configured to run CRP tests only.



## ichroma™-50 plus

### Automated immunoassay system with high-throughput

The ichroma™-50 plus is a fully automated fluorescent immunoassay device that processes everything from sampling to analysis automatically. Once the operator places the blood collection tube in the tray, all analysis procedures are conducted automatically.





DiaSys Diagnostic Systems is a leading specialist in developing and manufacturing diagnostic system solutions of highest quality, trusted by customers in more than 140 countries for over 30 years. DiaSys' product portfolio comprises more than 90 clinical chemistry and immunoturbidimetric reagents for routine and special diagnostics including dedicated calibrators and controls. The DiaSys instrumentation product range covers automated clinical chemistry analyzers, semi-automated analyzers and instruments for near-patient testing.

### respons<sup>®</sup>240c

Experience efficient and reliable laboratory testing with respons<sup>®</sup>240c. This fully automated bench top analyzer is perfect for small laboratories since it offers a constant throughput of **240 tests per hour** (400 tests/hour incl. optional ISE). Its compact design and user-friendly interface provide a valuable asset to any laboratory. Benefit from low operating costs, minimal maintenance and precise results.



### respons<sup>®</sup>420c

Experience laboratory work redefined. respons<sup>®</sup>420c is a fully automated random access analyzer designed to deliver reliable results with a constant throughput of up to **420 tests per hour** (620 tests/hour incl. ISE). Due to its optimal cost-effectiveness and ease of use, it perfectly fits in small to medium sized laboratories.



### respons<sup>®</sup>600c

respons<sup>®</sup>600c is a fully automated random access analyzer designed to deliver efficient and reliable performance in medium sized laboratories. With a constant throughput of up to 600 tests per hour (800 tests/hour incl. ISE) this compact system is capable of handling demanding workloads. Featuring a flexible rack loader holding up to 120 samples, low reaction volumes, a maintenance-free photometer and intuitive software, respons<sup>®</sup>600c offers optimal cost-effectiveness and ease of use.



# DiaSys

## respons<sup>®</sup>line

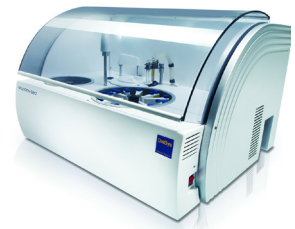
### respons<sup>®</sup>910

respons<sup>®</sup>910 is a compact and fully-automated bench top analyzer for maximum efficiency. During its development, special attention was paid to easy handling and optimized work flow thus leading to the ideal clinical chemistry system for many laboratories.



### respons<sup>®</sup>920

The respons<sup>®</sup>920 is a random-access bench top analyzer with a true throughput of 200 tests/hour (360 tests/hour with ISE) irrespective of whether mono- or 2-component tests are performed.



### respons<sup>®</sup>940

respons<sup>®</sup>940 is an automated random access clinical chemistry analyzer and offers a constant throughput of minimum 400 tests/h, independently whether a mono- or two component reagent is used.



### BioMajesty<sup>®</sup> JCA-6010/C

The BioMajesty<sup>®</sup> JCA-BM6010/C is designed to increase the performance of medium-sized laboratories. It is also the ideal system for speciality laboratories. The throughput of up to 1.200 tests/hour, 45 reagent and 84 sample positions are guarantee for the flexibility in everyday use.

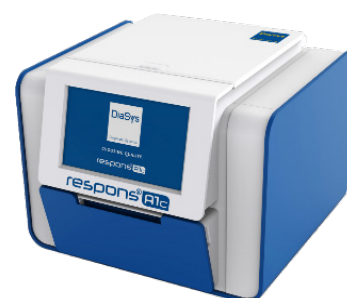


## Dedicated Instruments

The numerous advantages of dedicated laboratory instruments, such as the immediate availability of results for prompt therapeutic decisions, reduced inpatient stays, and fewer clinical visits, have led to their increased use in hospitals, diagnostic laboratories, and specialized medical facilities.

### respons<sup>®</sup>A1c

respons<sup>®</sup>A1c uses pre-calibrated unit-dose cartridges based on boronate affinity chromatography for quantitative determination of HbA1c. With a sample volume of just 3.5 µL capillary blood or anticoagulated venous whole blood, the NGSP and IFCC traceable HbA1c results together with the estimated average glucose (eAG) are available after only 4 minutes and 30 seconds.



### SensoStar<sup>GLH SIX</sup>

Glucose / Lactate / Hemoglobin analyzer

- Biosensor technology
- Maintenance free biosensor with automatic calibration.
- Individual hematocrit correction to for whole blood samples.
- Slider for up to six samples.
- Throughput of up to 40 samples/h (120 tests/h).



### SensoStar<sup>GL30 TOUCH</sup>

Glucose / Lactate / Hemoglobin analyzer

- Biosensor technology
- Maintenance free biosensor with automatic calibration.
- Individual hematocrit correction for whole blood samples.
- Rotor for up to 30 samples.
- Throughput of up to 180 samples/h (360 tests/h).



# Key Projects

Sector	Name
<b>Ministry of Health</b>	Diabetic Centre Jeddah GCC MOH tenders for Clinical Chemistry & Blood Bank Hospitals KW for Virology Fully Automated Elisa System King Abdullah Medical Complex King Khalid Hospital King Saud Medical City Pathogen Inactivation Project King Saud Medical City Blood Irradiators National Reference Laboratory Prince Sultan Humanitarian City Clinical Chemistry Psychiatric Hospitals Project Elisa System Regional Laboratory Jeddah, Madina, Taif, Asir, Tabuk Yanbu General Hospital Al-Qunfudah General Hospital Prince Mishari Bin Saud Hospital baljurashi Al-Rass General Hospital King Fahad General hospital
<b>Ministry of Defence and Interior</b>	Al Hada Military Hospital, Taif King Fahad Military Hospital, Dammam King Fahad Armed Forces Hospital, Jeddah National Guard Health Affairs Naval Base, Jubail Prince Sultan Military Medical City For Blood Bank Project Prince Sultan Military ESR & Sickledex project Prince Sultan Military Medical City Blood Irradiators Security Forces Dammam Security Forces Hospital, Riyadh Blood Irradiators
<b>Universities</b>	AlKhobar Teaching Hospital Blood Bank, Alkhobar Ibn Sina Medical College, Jeddah Islamic University Hospital, Madina KAUST , Thuwwal King AbdulAziz University Hospital, Jeddah King Faisal University, AlHassa King Saud Medical City, Riyadh



## Key Projects

### Universities

Prince Naif Research Centre King Saud University, Riyadh  
Prince Salman University Research Lab, Riyadh  
Umm Ul Qurra Hospital, Makkah

### Private Sector

AlAbeer Group  
Alawi Tunsu Hospital  
AlBorg Laboratories  
AlHamra Hospital  
AlJedani Group  
AlMana  
AlManea Medical Group  
AlMowasat Medical Group  
AlMouwasat Hospital  
AlRawdah General Hospital  
ARAMCO  
Dr. Baksh Hospital  
Dr. Khalid Idrees Hospital  
Erfan & Bagedo Hospital  
Gama Private Hospital  
Ghassan Pharoan Hospital  
International Medical Centre (IMC)  
Makkah Medical Centre  
New Jeddah Clinic  
Shifa Hospital  
United Doctors Hospital  
Al-Yamamah Hospital  
Johns Hopkins Aramco Healthcare  
Mouwasat Hospital AL Khobar

