



سمير SAMIR

C L I N I C A L

P R O F I L E 2023

SAMIR

TRADING & MARKETING

SAMIR is a family business rich in heritage and remarkable growth. Established in 1953 by Mr. Hamed Mahmoud Al-Hindi, as a leading Sales and Marketing Company, it evolved over the years from the iconic Studio SAMIR to the ever expanding Samir Trading & Marketing Company.

The company represents world renowned, multinational brands that are leaders in their fields, offering a wide range of products and solutions. From Medical and Health Imaging and Clinical Laboratory Equipment to Dental and Therapeutics & Diagnostics technology. Picture Archiving and Communication Systems and high volume printers, large format scanners. As well as audio-visual educational products, conference room projectors, and AV control rooms. In addition to a number of consumer products and appliances.

Since its inception, the company has been consistently growing, marking achievements and earning a respectable reputation in serving the community, and providing the Saudi market with state of the art digital products. By doing this, the company has become among the top suppliers in the medical, office equipment and imaging industry across the Kingdom.

At SAMIR , we are leaders in our industry and we understand the meaning of success. We value our customers by offering them high-quality products and premium services that develop their loyalty and exceed their expectations. We believe that we will be successful if our clients are successful. We believe in honesty, trust, and integrity... At SAMIR , we believe in FUTURE.

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.

- Chemistry (Dry & Wet)
- Immunoassays (Serology, Virology & Hormones)
- Immuno Haematology
- Transfusion Medicine
- Microbiology
- Haematology

Ortho Clinical Diagnostics

HORIBA

CERUS

EUROIMMUN



Ortho Clinical Diagnostics

Ortho Clinical Diagnostics serves the transfusion medicine community and laboratories around the world. We're the leading provider of total solutions for screening, diagnosing, monitoring and confirming diseases early before they put lives at risk. Our single focus is to help hospitals, laboratories and blood centers worldwide deliver results that help patients experience a better quality of life.

Chemistry Analyzers VITROS Family:

All VITROS systems are standardized with our proven and patented enabling technologies that are self-monitoring, highly efficient, and best of all, easy to use. With minimal staff interventions and reduced error potential, you get quality results and maximum uptime. All VITROS® systems also use single use disposable tips to address carry over and contamination concerns to ensure the right result, first time and on time.

VITROS® 5600 Integrated System

The VITROS® 5600 features a broad menu of assays that covers 90% of the menu needs and 99% of the testing volume of a typical lab. The VITROS® 5600 is designed to help you efficiently consolidate critical testing to deliver quality and timely results to the physicians and patients who depend on you.



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

The VITROS® 3600 Immunodiagnostic System offers your lab the menu that combines breadth, quality results and standardization. It also brings together critical performance factors of accuracy, efficiency and uptime with patented enabling technologies to empower your lab. No reagents. No additional sample volume. No impact on workflow.



Ortho Clinical Diagnostics

VITROS® XT 3400 System

VITROS® XT Systems are powered by a new digital reflectometer, connecting your labs ecosystem better than ever before, driving your efficiency, productivity and improving the quality of care you can provide to your patients.



VITROS® XT 3400 System

VITROS® XT Systems are powered by a new digital reflectometer, connecting your labs ecosystem better than ever before, driving your efficiency, productivity and improving the quality of care you can provide to your patients.



Pre-analytical System

Pre-analytical system offers flexible configurations to meet the specific needs of laboratory within the available space. One configuration can include several modules of the same type depending on laboratory's workload.



VITROS® Menu of Assays

Assay	VITROS® ECI/ECIQ Immunodiagnostic Systems	VITROS® 3600 Immunodiagnostic System	VITROS® 350 Chemistry System	VITROS® 46005, 1/ FS Chemistry Systems	VITROS® 5600 Integrated System
Acetaminophen	+	+	+	+	+
AFP	+	+	+	+	+
Albumin	+	+	+	+	+
Alcohol	+	+	+	+	+
ALP	+	+	+	+	+
ALT	+	+	+	+	+
Ammonia	+	+	+	+	+
Amphetamines	+	+	+	+	+
Amylase	+	+	+	+	+
Anti-HAV Total	+	+	+	+	+
Anti-HBc	+	+	+	+	+
Anti-HBc Igm	+	+	+	+	+
Anti-HBe	D	D	+	+	+
Anti-HBs	+	+	+	+	+
Anti-HCV	+	+	+	+	+
Anti-HIV 12+	+	+	+	+	+
Apolipoprotein A1	+	+	+	+	+
Apolipoprotein B	+	+	+	+	+
ASO	+	+	+	+	+
AST	+	+	+	+	+
Barbiturates	+	+	+	+	+
Benzodiazepines	+	+	+	+	+
BtBc	+	+	+	+	+
C3	+	+	+	+	+
C4	+	+	+	+	+
CA 153-IM	+	+	+	+	+
CA 199-IM	+	+	+	+	+
CA 125 IM™	+	+	+	+	+
Caffeine	+	+	+	+	+
Calcium	+	+	+	+	+
Carbamazepine	+	+	+	+	+
Carbon Dioxide	+	+	+	+	+
CEA	+	+	+	+	+
Cedra® Cyclosporine	+	+	+	+	+
Cedra® Mycophenolic Acid	+	+	+	+	+
Chloride	+	+	+	+	+
Cholesterol	+	+	+	+	+
Cholinesterase	+	+	+	+	+
CKMB	+	+	+	+	+
CKMB Mass	+	+	+	+	+
Cocaine Metabolites	+	+	+	+	+
Cortisol	+	+	+	+	+
Creatinine	+	+	+	+	+
CRP	+	+	+	+	+
Digoxin	+	+	+	+	+
Direct HDL	+	+	+	+	+
Direct LDL	+	+	+	+	+
Direct TIBC	+	+	+	+	+
DR® Ecstasy**	+	+	+	+	+
DR® Oxycodone**	+	+	+	+	+
d%Atc	+	+	+	+	+
Estradiol	+	+	+	+	+
Ferritin	+	+	+	+	+
Folate	+	+	+	+	+
Free T3	+	+	+	+	+
Free T4	+	+	+	+	+
FSH	+	+	+	+	+
Gentamicin	+	+	+	+	+
GGT	+	+	+	+	+
Glucose	+	+	+	+	+
Glucose (csf)	+	+	+	+	+
Haptoglobin	D	D	+	+	+
HbA1c	D	D	+	+	+
HBeAg	D	D	+	+	+
HBSAg	+	+	+	+	+
HIV Combo	D	D	+	+	+
Homocysteine	+	+	+	+	+
hscRP	+	+	+	+	+
IgA	+	+	+	+	+
IgG	+	+	+	+	+
IgM	+	+	+	+	+
Intact PTH	+	+	+	+	+
Iron	+	+	+	+	+
Lactate	+	+	+	+	+
LDH	+	+	+	+	+
LH	+	+	+	+	+
Lipase	+	+	+	+	+
Lithium	+	+	+	+	+
Magnesium	+	+	+	+	+
Methadone	+	+	+	+	+
Microalbumin	+	+	+	+	+
Myoglobin	+	+	+	+	+
NI-proBNP	+	+	+	+	+
NTx	+	+	+	+	+
Opiate	+	+	+	+	+
PCP	+	+	+	+	+
Phenobarbital**	+	+	+	+	+
Phenytoin	+	+	+	+	+
Phosphorus	+	+	+	+	+
Potassium	+	+	+	+	+
Prealbumin	+	+	+	+	+
Progesterone	+	+	+	+	+
Prolactin	+	+	+	+	+
PSA	+	+	+	+	+
QMS® Amikacin**	+	+	+	+	+
QMS® Everolimus**	+	+	+	+	+
QMS® Tacrolimus**	D	D	+	+	+
RF	+	+	+	+	+
Rubella IgG	+	+	+	+	+
Saliclylate	+	+	+	+	+
Sodium	+	+	+	+	+
T3 Uptake	+	+	+	+	+
Testosterone	+	+	+	+	+
THC	+	+	+	+	+
Theophylline	+	+	+	+	+
TIBC	+	+	+	+	+
Tobramycin	+	+	+	+	+
Total β-hCG Generation II	+	+	+	+	+
Total Bilirubin	+	+	+	+	+
Total CK	+	+	+	+	+
Total Protein	+	+	+	+	+
Total Protein (csf)	+	+	+	+	+
Total PSA II	D	D	+	+	+
Total T3	+	+	+	+	+
Total T4	+	+	+	+	+
Transferrin	+	+	+	+	+
Triglycerides	+	+	+	+	+
Troponin I ES	+	+	+	+	+
TSH 3 rdGeneration	+	+	+	+	+
Urea	+	+	+	+	+
Uric Acid	+	+	+	+	+
Urine Protein	+	+	+	+	+
Valproic Acid	+	+	+	+	+
Vancomycin	+	+	+	+	+
Vitamin B12	+	+	+	+	+
Vitamin D	+	+	+	+	+

+ = Available

D = In development/Currently not available

HIV and Hepatitis co-developed with Novartis Vaccines & Diagnostics, Inc.

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Product availability subject to third party's or their agent's capability to support the customer.

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Ortho Clinical Diagnostics

Blood Bank systems

ORTHO VISION™ Analyzer

The ORTHO VISION™ Analyzer automates the full range of immunohematology testing including serial dilutions for titration studies and selected cell panels, which helps to eliminate manual testing even specialty testing.

- ABO/Rh Grouping
- ABO/Rh Confirmation
- Antibody Screen
- Antibody Identification
- Selected Cell Panel
- RH Phenotype (C,c,E,e)
- Donor Confirmation
- Antigen Typing
- Serial Dilutions for Titration Studies
- Eluates
- DAT (POLYSPECIFIC)
- Cord Blood Testing
- Crossmatch (AHG)



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.

ORTHO™ Workstation menu of tests:

- ABO Grouping/Rh Testing
- NeoNatal Blood Type (Forward Only)
- Blood Unit Confirmation (Group A, B, AB)
- Blood Unit Confirmation (Group O)
- Indirect Antiglobulin Testing
- Compatibility Testing (Coombs Crossmatch)
- Compatibility Testing (Immediate Spin Crossmatch)
- Direct Antiglobulin Testing
- Rh Phenotyping
- Rh Typing



Ortho Clinical Diagnostics

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**

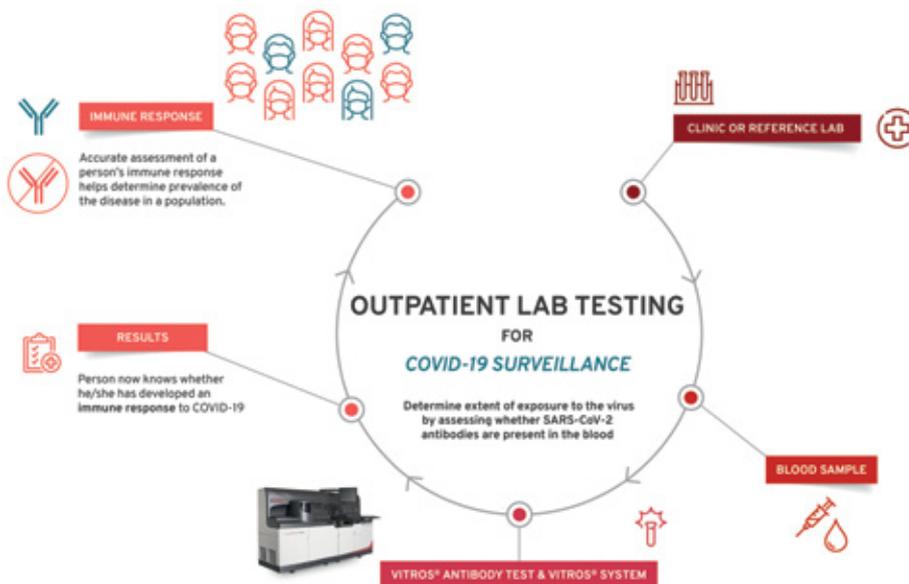
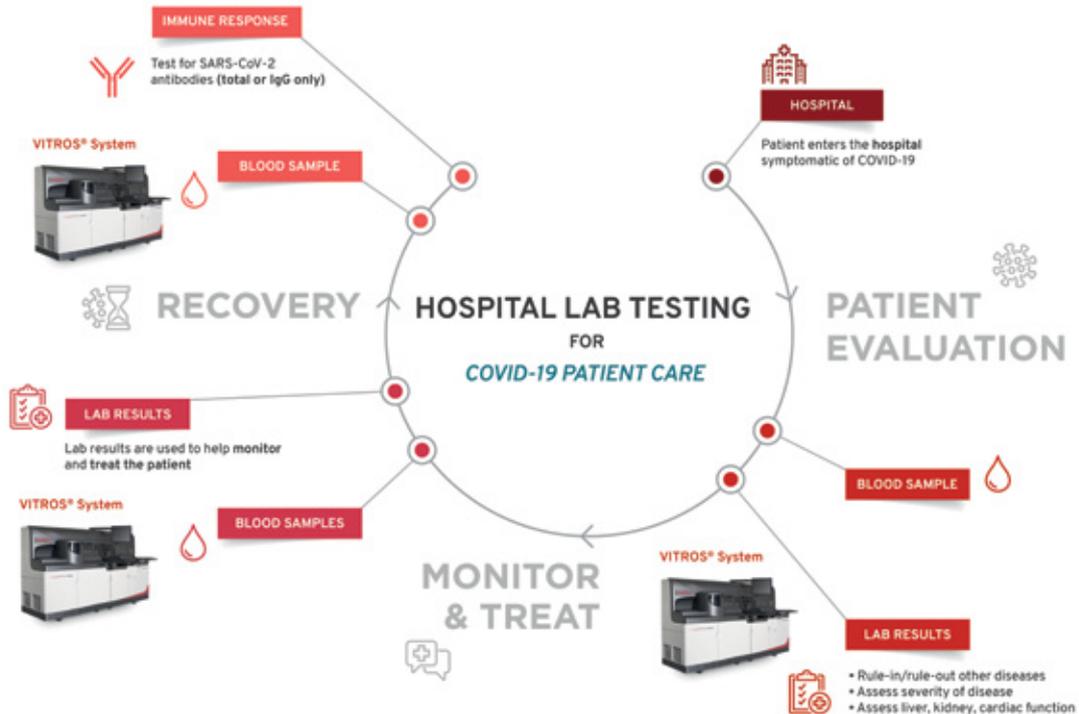
The VITROS® Anti-SARS-COV-2 IgG test qualitatively measures IgG Antibodies to the SARS-CoV-2 virus. This antibody test has long-term applicability in identifying patients with an adaptive immune response, indicating recent or prior infection. In addition, this test may be used in population surveillance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

Ortho's antibody tests can be used in a hospital setting as part of patient care management. The tests can also be used in an outpatient care setting to help determine prevalence of the disease in a population

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

Ortho Clinical Diagnostics

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.

Reactive = antibodies are present.
Non-reactive = antibodies are not present.

HORIBA

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.

Pentra XLR

Compact and Reliable Hematology Platform Including Reticulocytes bt Fluorescence.

- Compact and reliable Hematology Platform Including Reticulocytes
- Standard Lab Process and Traceability
- Add Value to your Hematology Lab
- Benefit from Proven Technology.
- Time, Cost and quality
- Full Retic Parameters with only 35micro liters
- 36 Parameters



Pentra XL 80

Compact and reliable hematology platform

- Approximately Up to 80 samples / hour
- Large walk-away capacity
- 26 parameters
- Customized Dilution Ratio (CDR)
- Integrated workstation and validation station



MICROS ES60 (3 Part Diff. CBC Analyzer)

- Highly compact and lightweight
- Micro-sampling on whole blood: 10µL
- Precise cellular identification through
- electronic impedance variation method



HORIBA

Yumizen H500 Open Tube (OT) & Closed Tube (CT) Cost Effective Hematology Solution For Small Mid-Size Laboratories

- Compact System easy handling
- Only 3 reagents use for Diff analysis
- 27 parameters
- Whole blood 20 μ L sampling
- 50 tests / hour
- Open tube and closed tube version



Yumizen H550 Full Walk Away Hematology Solution for Small Mid-Size Laboratories

- Only 3 Reagent for Diff Analysis
- 27 Parameters
- 50 Tests/Hour
- With Auto Sampling system
- With Safe Management, is able to deliver a one hour



Yumizen H550 Full Walk Away Hematology Solution for Small Mid-Size Laboratories

- Only 3 Reagent for Diff Analysis
- 27 Parameters
- 50 Tests/Hour
- With Auto Sampling system
- With Safe Management, is able to deliver a one hour



Yumizen H550 Full Walk Away Hematology Solution for Small Mid-Size Laboratories

- Only 3 Reagent for Diff Analysis
- 27 Parameters
- 50 Tests/Hour
- With Auto Sampling system
- With Safe Management, is able to deliver a one hour



HORIBA

Yumizen G800

Fully Automated Hemostasis Instrument

- 4 independent measuring channels
- 14 cooled + 4 reagent embedded positions
- 10 samples + 5 STAT sample positions
- Automatic reflex and rerun capacity
- Master calibration curve (no calibration needed)



Yumizen H1500

The new generation of HORIBA Medical automated hematology analyzer answers customer's expectations of solid and reliable diagnostic technology

- A real throughput of 120 samples per hour for CBC-DIFF NRBC and slides
- Expert multi sites validation station embedding standard rules packages (ISLH rules, Rerun, Reflex, Comment, Validation)
- On board reagents (4 for Yumizen H1500)
- Automatic 360° rotate sample mixing for perfect homogeneity
- Up to 55 parameters



P8000 Real time Worklist

Hematology Middleware and expert validation station with Multi site management capacities dedicated for patient's results monitoring, centralized Quality Controls management, Multi instrument connectivity, global TAT monitoring and remote access analyzer answers customer's expectations of solid and reliable diagnostic technology

- Download
- In progress
- Rerun
- Blocked
- Upload to LIS





Cerus Corporation is a biomedical products company focused in the field of blood safety. The INTERCEPT Blood System is designed to reduce the risk of transfusion-transmitted infections by inactivating a broad range of pathogens such as viruses, bacteria and parasites that may be present in donated blood. The nucleic acid targeting mechanism of action of the INTERCEPT treatment is designed to inactivate established transfusion threats, such as hepatitis B and C, HIV, West Nile virus and bacteria, as well as emerging pathogens such as Chikungunya, malaria and dengue. Cerus currently markets and sells the INTERCEPT Blood System for both platelets and plasma in the United States, Europe, the Commonwealth of Independent States, the Middle East and selected countries in other regions around the world. The INTERCEPT red blood cell system is in clinical development.

INTERCEPT INT100 Illuminator

The INTERCEPT Blood System is a new approach to blood safety designed to reduce the risks from bacteria, viruses and parasites, as well as harmful leukocytes, in donated blood components. It is the first pathogen inactivation system approved in Europe to treat both platelets and plasma for transfusions.



Intercept Platelets processing set

The INTERCEPT Blood System for Platelets consists of a single-use, integrated, fluid path platelet processing set. Left to right: Amotosalen solution container, illumination container, Compound Adsorption Device (CAD), and final storage containers. INTERCEPT is compatible with Amicus® apheresis platelet components suspended in 65% PAS-3 / 35% Plasma or Trima® apheresis platelet components suspended in 100% plasma.



Intercept Plasma processing set

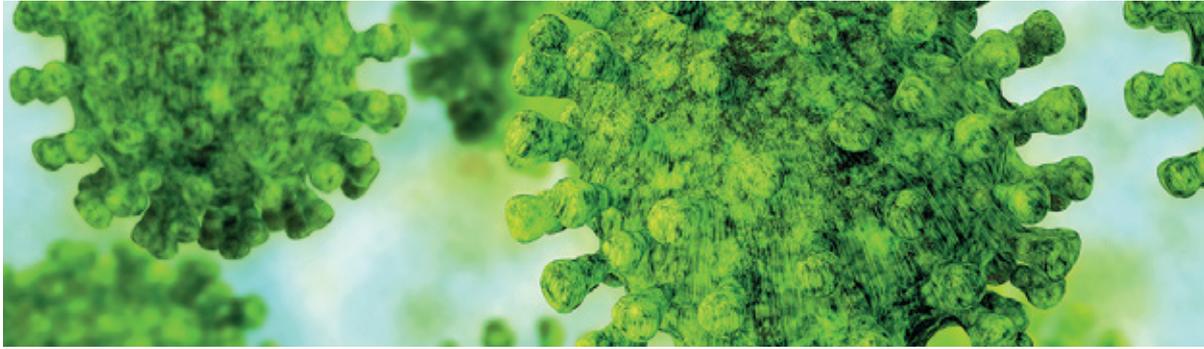
Compatible with apheresis or whole blood derived plasma.





EUROIMMUN products are used in over 8000 laboratories, operating through 12 subsidiaries and 98 Distributors worldwide. These products are used for the diagnosis of autoimmune, infectious diseases and allergies, and to perform genetic analyses. The company is the leader in the development of new tests for IFT and Elisa, as well as developing automated immunofluorescence microscopy (CIFM), multipara metric microarrays for identification of genetic polymorphisms, tumors or pathogenic organisms. Part of the company is the Institute for Experimental Immunology for basic research in cooperation with universities, clinics and research institutes. EUROIMMUN also runs its own Reference Laboratory for Autoimmunity and Neuronal diagnostics and receives patient samples from all over the world. They also produce Antigens based on scientific cooperation with international research institutions.

EUROIMMUN Analyzer I**EUROBlotOne****EUROPattern**



Test Systems from EUROIMMUN

• **Anti-SARS-CoV-2 ELISA IgG**

- Specific detection of IgG antibodies against SARS-CoV-2 using the S1 domain of the spike protein including the immunologically relevant receptor binding domain (RBD)
- RBD represents important target antigen for virus neutralising antibodies
- Excellent performance and good correlations with neutralisation tests confirmed in external studies
- Programmes for vaccine development worldwide are based on the spike protein as the antigen
- Fully automated processing and evaluation possible
- Also validated for the use of dried capillary blood (dried blood spots – DBS) as alternative sample material; fully automated DBS processing possible

• **Anti-SARS-CoV-2 NCP ELISA (IgG)**

- Sensitive detection of IgG antibodies against SARS-CoV-2 using the nucleocapsid protein
- Antigen with the strongest immune dominance in the coronavirus family
- Optimised specificity of the ELISA due to the use of a modified nucleocapsid protein (NCP) that only contains diagnostically relevant epitopes
- Fully automated processing and evaluation possible
- Also validated for the use of dried capillary blood (dried blood spots – DBS) as alternative sample material; fully automated DBS processing possible

• **Anti-SARS-CoV-2 NCP ELISA (IgM)**

- Sensitive detection of IgM antibodies against SARS-CoV-2 using the nucleocapsid protein RBD represents important target antigen for virus neutralising antibodies
- Antigen with the strongest immune dominance in the coronavirus family
- Optimised specificity of the ELISA due to the use of a modified nucleocapsid protein (NCP) that only contains diagnostically relevant epitopes
- Fully automated processing and evaluation possible

• **Anti-SARS-CoV-2 ELISA IgA**

- Sensitive ELISA for the determination of IgA against SARS-CoV-2
- Use of the S1 domain of the spike protein as the antigen
- For monitoring of the immune response after positive direct pathogen detection
- Fully automated processing and evaluation possible

Key Projects

Sector	Name
Ministry of Health	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
Ministry of Defence and Interior	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
Universities	AlKhubar Teaching Hospital Blood Bank, Alkhubar 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 Tunki 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

