

Miura

Fully-automated Clinical Chemistry Analyzers

Single Arm - up to 360 tests/hour

Double Arm - up to 500 tests/hour



I.S.E. S.r.l.

Clinical Chemistry Solutions

CUSTOMIZED SOLUTIONS FOR YOUR LAB

check our website at

www.logotech-ise.com

for news and updates



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Clinical Chemistry Solutions

CUSTOMIZED SOLUTIONS FOR YOUR LAB

Established in 1992 and based in Rome, Italy,

I.S.E. is a dynamic company specialized in development and manufacturing of Clinical Chemistry Analyzers and Reagents.

All our analyzers are developed and manufactured in I.S.E. \ following strictly the European regulations.

After thousands of solutions installed worldwide I.S.E. is committed to provide to our customers smart high quality clinical chemistry systems and our stable liquid reagents line.

Ease of use, combined with minimal operating requirements makes ISE clinical chemistry systems a logical choice for any laboratory.

I.S.E. is an ISO 9001:2008 and ISO 13485:2004 certified company and all our products are CE marked.

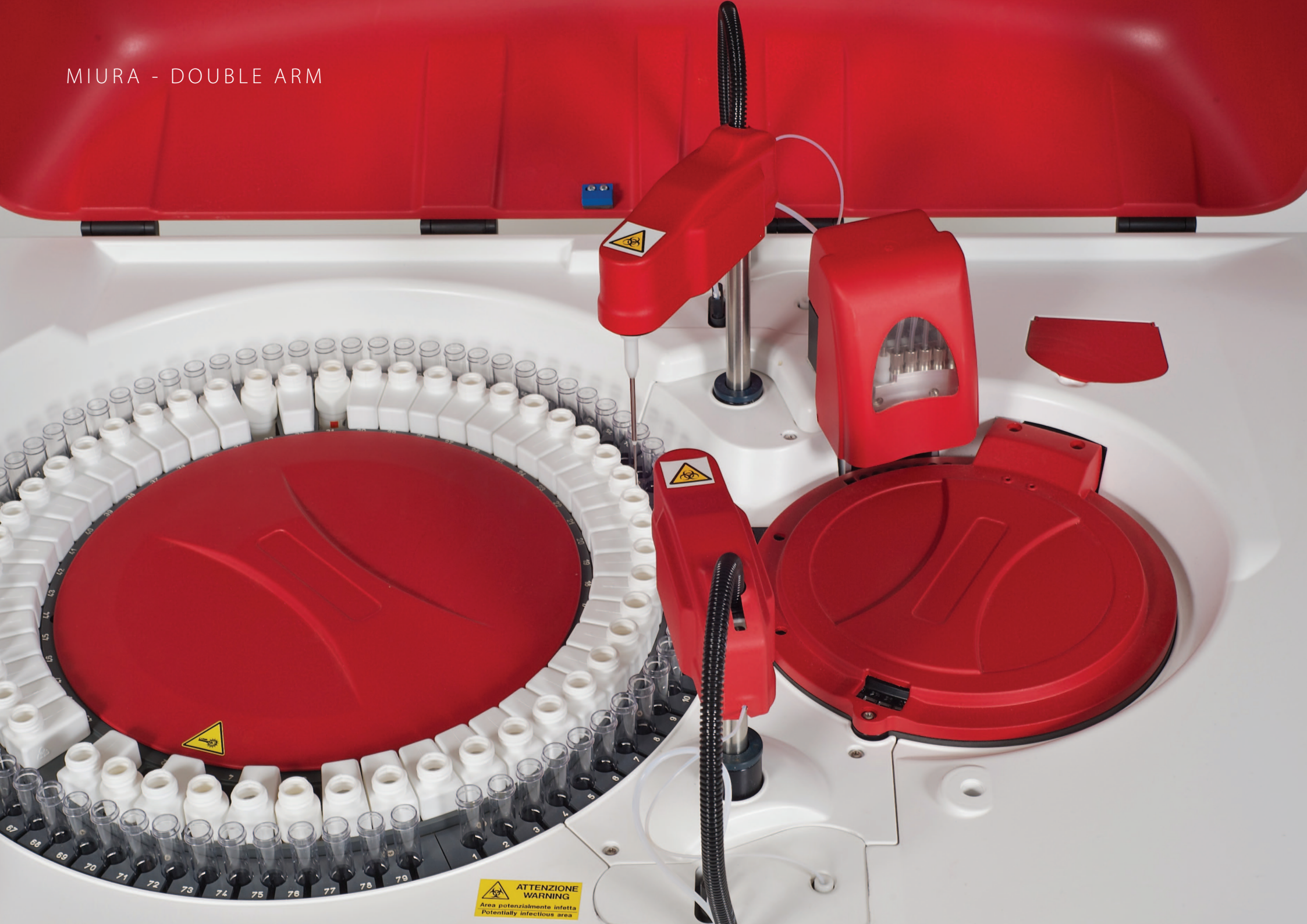
We are dedicated to customer satisfaction and will do the utmost to respond quickly to your needs.



website:

www.logotech-ise.com

MIURA - DOUBLE ARM



 **ATTENZIONE
WARNING**
Area potenzialmente infetta
Potentially infectious area

PURE RANDOM ACCESS

Miura

Fully-automated Clinical Chemistry Analyzers

Single Arm - up to 360 tests/hour

Double Arm - up to 500 tests/hour

- Miura is a random access fully automated analyzer and is the right solution for all kinds of laboratories.
- Miura is a sophisticated yet user friendly solution.
- The smart software interface, designed to be used in few steps and translated in several different languages, makes the Miura the logic choice for the laboratories all over the world.
- Single arm or double arm.
- Bench top or floor stand.
- 49 reagents on board with 50ml R1 vials and/or 20ml R2 vials.
- 59/79 samples on board.
- Integrated ISE module for Na+, K+, Li+, Cl- in serum, plasma and diluted urine.
- Integrated washing station.
- Integrated level and shock sensor for samples and reagents.
- Integrated positive identification for samples and reagents.
- Integrated micro metering diluter maintenance free.
- 2 years warranty.
- This is our idea of a random access analyzer.
- Miura is 100% developed and produced in Italy.





TECH SPECS

Double arm

- Up to 500 tests per hour with ISE.
- 59/79 sample/calibrator/control positions on primary tubes (Ø12÷13mm × 75/100mm) and sample cups (3ml).

Single arm

- Up to 360 tests per hour with ISE.
- 59/79 sample/calibrator/control positions on primary tubes (Ø12÷16mm × 75/100mm) and sample cups (3ml).

Common Specifications

- Analytical methods: end point mono or bichromatic, fixed time, kinetic, differential sample blank,
- Integrated ISE module for: Na+, K+, Li+, Cl- in serum, plasma and diluted urine.
- 48 parameters on line plus diluent with 50ml R1/20ml R2 vials.
- Mono, double, triple reagents method.
- Reaction temperature: +37°C ± 0.1°C
- Automatic auto dilution of the samples.
- Calibration with linear/non linear curves up to 8 points, auto dilution of the calibration curve (linear regression, linear piece-wise, cubic spline, polynomial).
- Control menu with Levy-Jennings plot.
- Bar-code reader integrated for samples and reagents (optional).
- Arm equipped with liquid level detector (capacitive) and shock sensor.
- High Precision Micro-metering pump to dispense reagents and samples (no syringe).
- Reagent volume: 1÷400 microliters.
- Sample volume: 1÷300 microliters.
- Typical reaction volume: 200 microliters.
- Wavelengths on-board: 8 from 340nm to 700nm plus one free position.
- Light source: Long life halogen lamp (2000 hours).
- Photometric linearity: 0÷3.0 OD.
- Reading cuvette: 80 on-board re-washable made in Bionex®.
- Cuvette washing: automatic washing station.
- Water consumption: 3/4 liters per hour.
- Reagent cooler: 14°C below ambient temperature.
- PC/Keyboard/Mouse/Printer: external
- Monitor 17 inch on board
- L.I.S.: Bi-directional connection.
- Operative system: Windows®
- Environment temperature 18-32°C
- Bench top version Dimensions: 114x75x60 cm
- Weight: 80 kg
- Floor stand version Dimensions: 190x77x132
- Weight: 155 kg

MIURA FAMILY SOFTWARE

MIURA FAMILY SOFTWARE
MAKES YOUR LIFE EASIER IN THE LAB

Miura Family software, developed by I.S.E. Group, is based on Windows® operating system.

A user friendly interface assists the operator and simplifies the daily routine work.

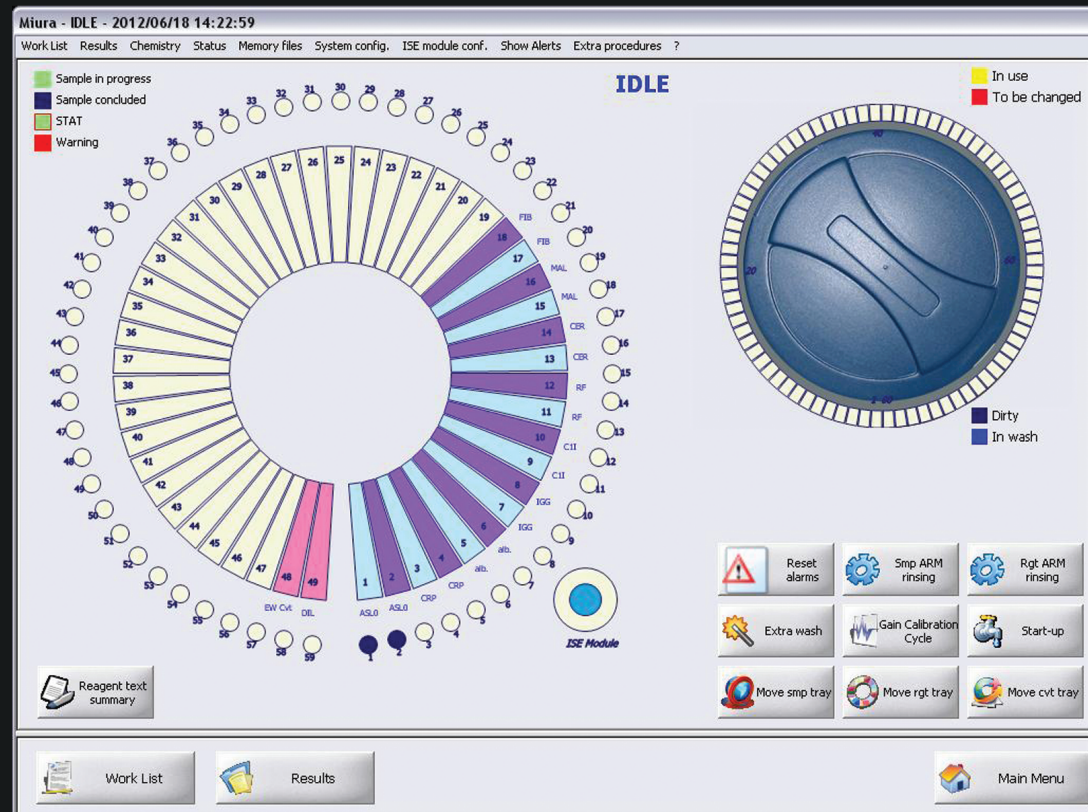
Real time check of liquid levels.

Real time check of patient results.

QC with Levy-Jennings plot on three levels.

Graphic representation of work session.

Easy trainings mean reduced service costs.



Miura - Loading...

Work List Results Chemistry Status Memory files System config. ISE module conf. Show Alerts Extra procedures ?

Search panel

By method
 ALT GPT

By lot

By date
 Date (YYYYMMDD)
 From 2012 06 20
 To 2012 06 20

By Unique Cal. ID
 0

Search Export Print

Controls

| Method | QC... | CC Lot | Reagent lot | Result | Theoretical ra... | Unique Cal. ID | O.D. | Re... | Date |
|---------|-------|--------|-------------|--------|-------------------|----------------|------|-------|------|
| ALT GPT | C1 | 0028 | 080900 | 35 U/l | 32.0... | 1567 | ... | 1... | 2... |
| ALT GPT | C1 | 0028 | 080900 | 47 U/l | 32.0... | 1675 | ... | 1... | 2... |
| ALT GPT | C1 | 0028 | 999900 | 9 U/l | 32.0... | 1692 | ... | 1... | 2... |
| ALT GPT | C1 | 0028 | 999900 | 43 U/l | 32.0... | 1726 | ... | 1... | 2... |
| ALT GPT | C1 | 0028 | 020200 | 13 U/l | 32.0... | 1888 | ... | 1... | 2... |

Standards

| Uniqu... | Method | Lot | Dif... | Factor | Std value | O.D. | Reagent ... | Date |
|----------|---------|---------|--------|-----------|-----------|--------|-------------|------------|
| 1644 | ALT GPT | 386u... | 1:1 | -1016.635 | 33.400 | -0.033 | 1.606 | 2011/10/19 |
| 1651 | ALT GPT | 386u... | 1:1 | -1800.000 | 33.400 | 0.000 | 0.000 | 2011/10... |
| 1667 | ALT GPT | 386u... | 1:1 | -1900.000 | 33.400 | 0.000 | 0.000 | 2011/10... |
| 1675 | ALT GPT | 386u... | 1:1 | -2930.127 | 33.400 | -0.011 | 1.626 | 2011/10/19 |
| 1676 | ALT GPT | 386u... | 1:1 | -2500.000 | 33.400 | 0.000 | 0.000 | 2011/10... |
| 1692 | ALT GPT | 386u... | 1:1 | -695.895 | 33.400 | -0.049 | 1.471 | 2011/11/03 |
| 1699 | ALT GPT | 386u... | 1:1 | -2100.000 | 33.400 | 0.000 | 0.000 | 2011/11... |

Patients archive Main Menu

Miura - Loading...

Work List Results Chemistry Status Memory files System config. ISE module conf. Show Alerts Extra procedures ?

Results by patient

4-0001-20120618 Unknown

Gamma GT: Reagent blank = 0.881 P16:0.9992

Method Status
 ALT GPT ... Concl
 Bilirubin Direct (1:1) Abort
 Chloride (1:1) Concl
 Cholesterol (1:1) Abort
 CK Nak (1:1) Concl
 Gamma GT (1:1) Concl
 LDH (1:1) Concl
 Magnesium (1:1) Abort
 Triglycerides (1:1) Abort
 UAcid (1:1) Abort

Store concluded Print lab report

Results by methods QC/ Std Results Repetitions Status Main Menu

Miura - IDE - 2012/06/18 14:28:51

Work List Results Chemistry Status Memory files System config. ISE module conf. Show Alerts Extra procedures ?

Work List

Multiple Samples (insert number of replicates)
 STAT 3

Position
 Sample ID
 Patient type Male
 Result multiplier 1:1
 Tube type sample tube
 LDP1 LDP2
 Nr. Of repetition 1

Sample comments Save in WL Show WL Store all results Scan sample barcodes Delete WL

Profiles

| Name | Methods |
|------|---|
| | 340 S05 S46 A41 AAT ALB ab. ALP AMG AMY |
| | AMYs APB AGL AT3 BLDr BLTs BLN C11 Ca s CER |
| | CHE CHO Cms Ckn Clns ISE Cb CRE CRP CFS |
| | Fe FdB FIB GLU GOT GPT HbA1 HDLs ISA IYS |
| | IGM LDH LDLs Ip MAL Mg P PAL PT RP |
| | TRF TRPK TRY UP URA VGT |

Next Main Menu

Miura - Loading... - 2012/06/20 11:47:57

Work List Results Chemistry Status Memory files System config. ISE module conf. Show Alerts Extra procedures ?

General info

Method Code SC
 ALT GPT 340 0
 S05 S05 0
 a1 ac. glycoprot AGP 0
 a1 antitrypsin AAT 0
 a2 macroglobulin AMG 0
 albumin ab. 0
 Albumin BCG ALB 0
 ALP DEA ALP 0

Filters
 F1 340nm F2 (not used)

Incubation/Reading time [sec]
 Substrate/Sample Start
 Sample Start
 R1S -> R2 R1,R2,S -> R3 Final incub.

Reference range
 Sample type Serum
 Patient... Min Max
 Female 10.00 45.00
 Male 10.00 45.00
 Paediatric 0.00 100.00

Instrument Factor (Y = aX + b)
 a 1.000 b 0.000

Controls
 C1 C2 C3
 No. of SD for QC ref range 3

Printout customization
 Printout sort order 0
 > Linearity instead of *
 < Det. Limit instead of *

Reagents
 Include blank in calc.
 Blank Abs (nr; max) 0.8 2
 C4 C4 0
 Calcium Ars Ca 0
 Ceruloplasmin CER 0
 Chloride Cl 0
 Chol HDL HDL 0
 Chol LDL LDL 0
 Cholesterol CHO 0

Formula Builder Print Delete Save

Reagents Profiles Controls Standards View Restrictions Main Menu

STABLE LIQUID REAGENTS

- The Miura family wants to simplify your routine work. I.S.E. Group offers a complete CE marked reagent panel (mono or bi-reagent) ready to use.
- Positive identification of reagents gives the end user the assurance to work without compromises on quality.
- Twenty-eight parameters for enzymes and substrates, with application on serum, plasma and urine, based on the most advanced research in clinical chemistry following international recommendations (IFCC).
- Twenty-eight parameters for specific protein, with application on serum, plasma and urine, standardized with 5-point calibration curve.



CODE DESCRIPTION

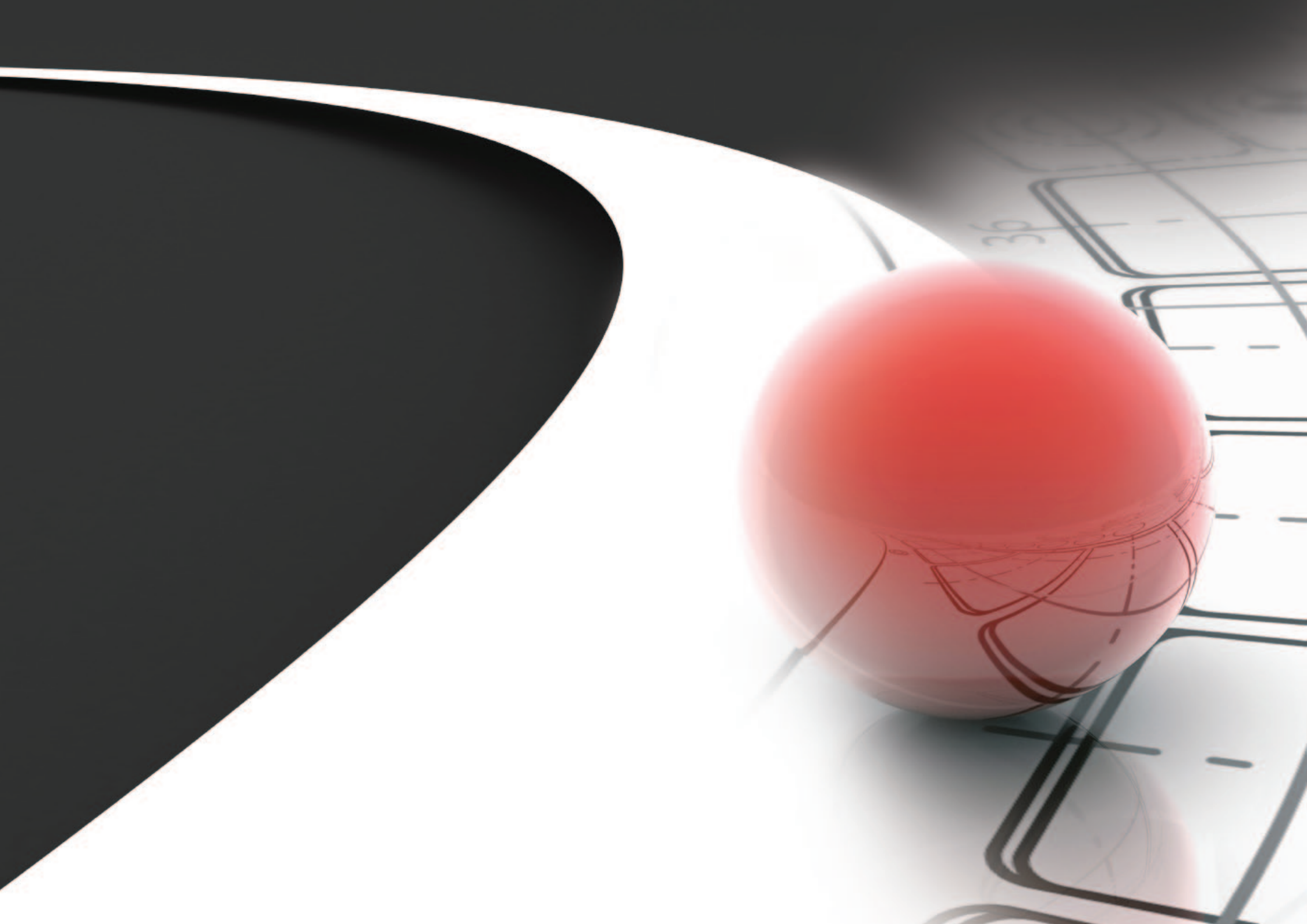
| | |
|---------------|------------------|
| A-R010000001 | ALBUMIN BCG |
| A-R0200001001 | ALT / GPT SL |
| A-R0000000001 | AMYLASE |
| A-R0200001101 | AST / GOT SL |
| A-R0100001001 | URIC ACID |
| A-R0100000201 | DIRECT BILIRUBIN |
| A-R0100000101 | TOTAL BILIRUBIN |
| A-R0100000301 | CALCIUM ARSENAZO |
| A-R0100000401 | CHLORIDE |
| A-R0100000501 | CHOLESTEROL PAP |
| A-R0200000301 | CK NAC SL |
| A-R0200000401 | CK MB SL |
| A-R0200000501 | CREATININE |
| A-R0200000601 | GAMMA GT SL |
| A-R0100000601 | GLUCOSE PAP |
| A-R0200001301 | HDL CHOLESTEROL |
| A-R0200001401 | LDL CHOLESTEROL |
| A-R0200001201 | LDH-P SL |
| A-R0200000801 | MAGNESIUM |
| A-R0200000001 | ALP (DEA) SL |

CODE DESCRIPTION

| | |
|---------------|----------------------------|
| A-R0100000701 | PHOSPHOROUS UV |
| A-R0100000801 | TOTAL PROTEIN |
| A-R0100000901 | TRIGLYCERIDES |
| A-R0200000901 | UREA UV SL |
| A-R0200000500 | IRON |
| A-R0200000600 | IRON TIBC |
| A-R0200000400 | CHOLINESTERASE |
| A-R0200000200 | LIPASE |
| R0300000006 | MULTICALIBRATOR |
| R0400000006 | NORMAL CONTROL SERUM |
| R0400000106 | PATHOLOGICAL CONTROL SERUM |
| A-R1100004201 | TRANSFERRIN |
| A-R1100004001 | CRP |
| A-R1100000101 | ALBUMIN |
| A-R1100002601 | COMPLEMENT C3 |
| A-R1100003201 | COMPLEMENT C4 |
| A-R1100002001 | CERULOPLASMIN |
| A-R1100000601 | HAPTOGLOBIN |
| A-R1100003001 | PREALBUMIN |
| A-R1100000201 | APOLIPO PROTEIN A1 |

CODE DESCRIPTION

| | |
|---------------|----------------------------|
| A-R1100000301 | APOLIPO PROTEIN B |
| A-R1100004101 | RHEUMATOID FACTOR |
| A-R1100003401 | IgA KIT |
| A-R1100003501 | IgG KIT |
| A-R1100003601 | IgM KIT |
| A-R1100003701 | KAPPA LIGHT CHAIN |
| A-R1100003801 | LAMBDA LIGHT CHAIN |
| A-R1100003901 | MICROALBUMIN |
| A-R1100001401 | ALFA-1 - ACID GLYCOPROTEIN |
| A-R1100001301 | ALFA-1 - ANTITRYPSIN |
| A-R1100002201 | ALFA-2 MACROGLOBULIN |
| A-R1100003301 | FIBRINOGEN |
| A-R1100001901 | C1 ESTERASE INHIBITOR |
| A-R1100002501 | ANTITHROMBIN III |
| A-R1100004301 | FERRITIN |
| A-R1100002901 | LIPOPROTEIN (A) |
| A-R1100001801 | BETA 2 - MICROGLOBULIN |
| A-R1100004401 | ANTI-STREPTOLYSIN (O) |
| A-R0200000900 | HBA1C |





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