

# Miura Family

Fully-automated Clinical Chemistry Analysers

Catalogue of Products

# ISE

CUSTOMISED SOLUTIONS  
FOR YOUR LABORATORY



check our website at [www.logotech-ise.com](http://www.logotech-ise.com)

for news and updates



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# Miura Family

Fully-automated Clinical Chemistry Analysers

## Miura One

Fully-automated  
Clinical Chemistry Analyser  
up to 180 tests/hour



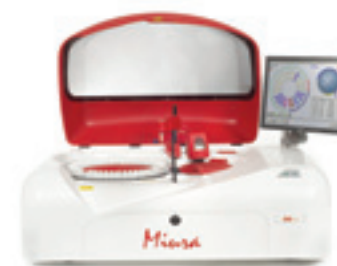
## Miura 200

Fully-automated  
Clinical Chemistry Analysers  
up to 420 tests/hour



## Miura

Fully-automated  
Clinical Chemistry Analyser  
up to 500 tests/hour



SOFTWARE



REAGENTS



MIURA ONE



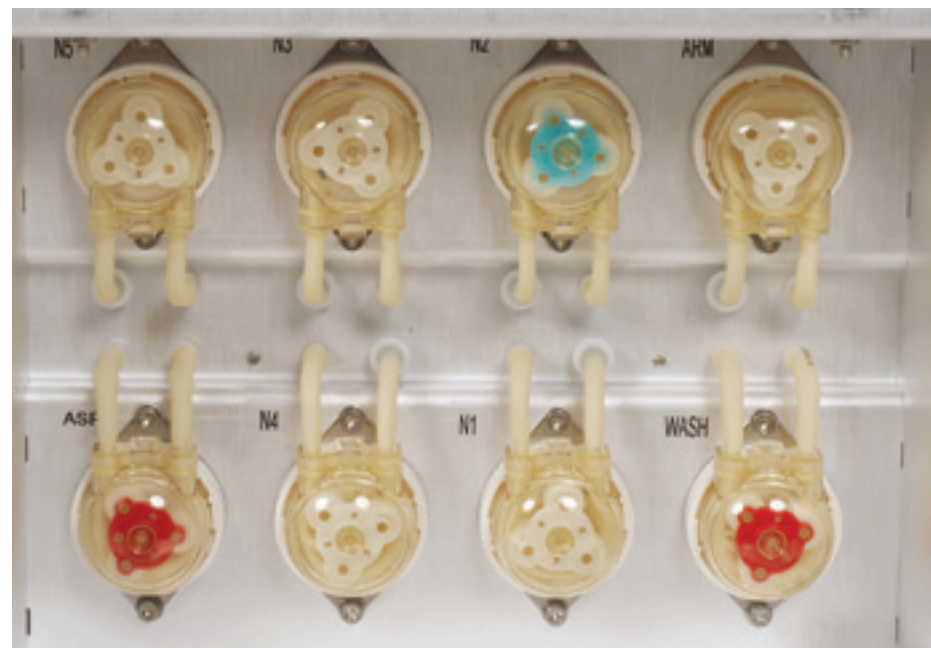
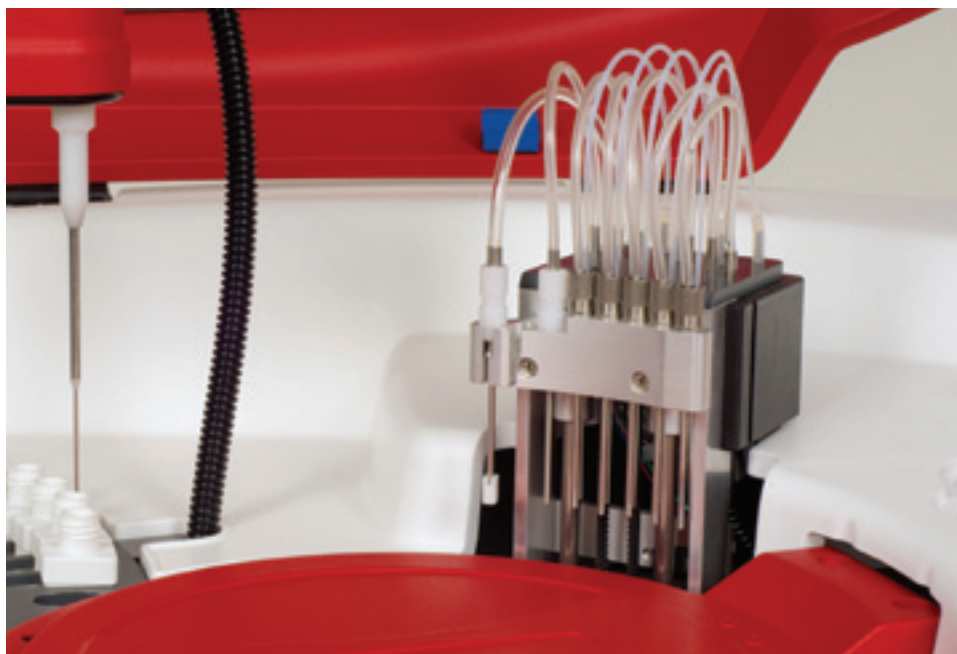
# PURE RANDOM ACCESS

## Miura One

Fully-automated Clinical Chemistry Analyser  
up to 180 tests / hour with ISE module on board

- Miura One is a small yet smart random access fully automated analyser.
- Miura One is designed to meet the requests of labs, doctor offices, clinics and veterinary labs.
- 2 different reagents/samples configuration.
- 19 reagents on board with 50ml R1 vials and/or 20ml R2 vials plus 9 samples plus diluent.
- 19 reagents on board with 35ml vials and/or 15ml R2 vials plus 15 samples plus diluent.
- Integrated ISE module for Na<sup>+</sup>, K<sup>+</sup>, Li<sup>+</sup>, Cl<sup>-</sup> in serum, plasma and diluted urine (optional).
- Integrated washing station.
- Integrated level and shock sensor for samples and reagents.
- Integrated positive identification for samples and reagents.
- Integrated micro metering diluter. No glass syringe.
- 2 years warranty.
- Miura One is 100% developed and produced in Italy.





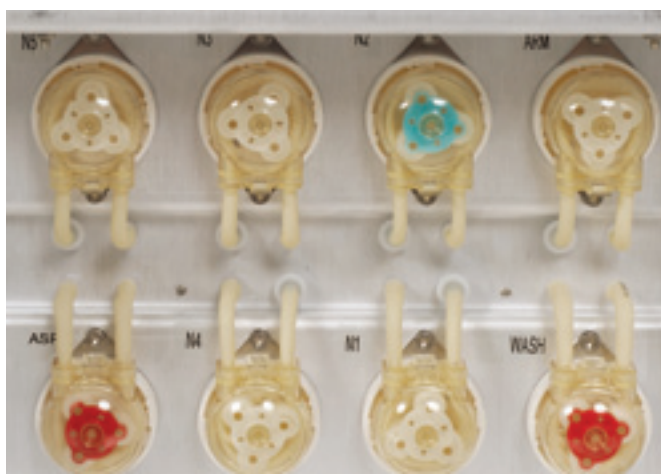


# TECHNICAL SPECIFICATIONS



- Up to 180 tests per hour with ISE module on board.
- Up to 100 photometric tests per hour.
- Analytical methods: end point mono or bichromatic, fixed time, kinetic, differential sample blank.
- ISE module for: Na<sup>+</sup>, K<sup>+</sup>, Li<sup>+</sup>, Cl<sup>-</sup> in serum, plasma and diluted urine (optional).
- 19 parameters on line plus diluent with 50ml R1/ 20ml R2 vials.
- 19 parameters on line plus diluent with 35ml R1/ 15ml R2 vials.
- Mono, double, triple reagents method.
- Reaction temperature: +37°C ± 0.1°C.
- 9/15 sample/calibrator/control positions on primary tubes (Ø12÷13mm × 75/85mm) and sample cups (3ml).
- Automatic 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: 200-250 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: 1½ liters per hour.
- Reagent cooler: 14°C below ambient temperature.
- All in one touch screen computer.
- L.I.S.: Bi-directional connection.
- Operative system: MS Windows®.
- Environment temperature 18-32°C.
- Dimensions: 83x62x64 cm.
- Weight: 42 kg.

# MIURA 200 - DOUBLE ARM





# PURE RANDOM ACCESS

## Miura<sup>200</sup>

Fully-automated Clinical Chemistry Analyser  
up to 420 tests / hour with ISE module on board

- The New Miura 200 is the idea we have for a compact bench top random access fully automated analyser with the performance of higher class instruments.
- No compromise between throughput and size of the New Miura 200.
- The New Miura 200 is the solution for all kinds of laboratories as a main unit or a back up unit.
- 30/43 reagents on board plus diluent.
- 49 samples on board.
- Integrated ISE module for Na<sup>+</sup>, K<sup>+</sup>, Li<sup>+</sup>, Cl<sup>-</sup> in serum, plasma and diluted urine (optional).
- 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.
- Miura 200 is 100% developed and produced in Italy.





# TECHNICAL SPECIFICATIONS

## Double arm

- Up to 420 tests per hour with ISE module on board.
- 240 Bi-reagent photometric tests/hour constant throughput.

## Single arm

- Up to 360 tests per hour with ISE module on board.
- Up to 200 mono reagent tests per hour.

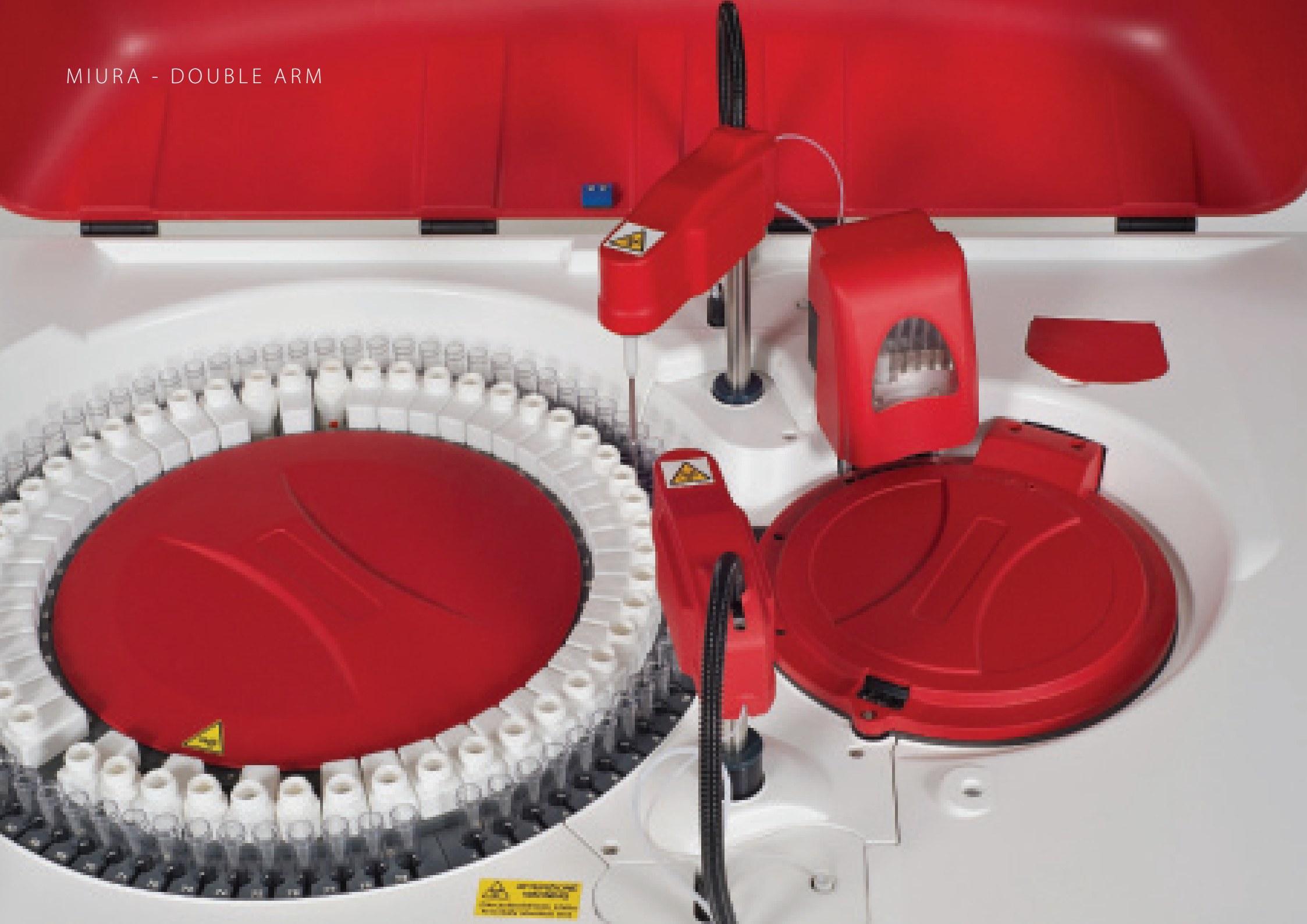
## Common Specifications

- Analytical methods: end point mono or bichromatic, fixed time, kinetic, differential sample blank.
- ISE module for: Na<sup>+</sup>, K<sup>+</sup>, Li<sup>+</sup>, Cl<sup>-</sup> in serum, plasma and diluted urine (optional).
- 30/43 reagents on board plus diluent.
- Mono, double reagents method.
- Reaction temperature: +37°C ± 0.1°C.
- 49 sample/ calibrator/control positions on primary tubes (Ø 12÷13mm/75/100mm).
- Automatic 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 µl for Single Arm
  - 1 ÷ 300 µl for Double Arm
- Sample volume:
  - 1 ÷ 300 µl for Single Arm
  - 1 ÷ 50 µl for Double Arm
- Typical reaction volume: 200-250 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: 3/5 liters per hour.
- Reagent cooler: 14°C below ambient temperature.
- All in one touch screen computer.
- L.I.S.: Bi-directional connection.
- Operative system: MS Windows®.
- Environment temperature 18-32°C.
- Dimensions: 93x72x60.





## MIURA - DOUBLE ARM



# PURE RANDOM ACCESS

## Miura

Fully-automated Clinical Chemistry Analyser

Double Arm - up to 500 tests / hour with ISE module on board



- Miura is a random access fully automated analyser 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.
- 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 (optional).
- 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 analyser.
- Miura is 100% developed and produced in Italy.





# TECHNICAL SPECIFICATIONS



- Up to 500 tests per hour with ISE, Up to 300 photometric tests / hour.
- 59/79 sample/calibrator/control positions on primary tubes ( $\varnothing 12 \div 13 \text{ mm} \times 75/100 \text{ mm}$ ) and sample cups (3ml).
- Analytical methods: end point mono or bichromatic, fixed time, kinetic, differential sample blank,
- Integrated ISE module for:  $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{Li}^+$ ,  $\text{Cl}^-$  in serum, plasma and diluted urine (optional).
- 48 parameters on line plus diluent with 50ml R1/20ml R2 vials.
- Mono, double, triple reagents method.
- Reaction temperature:  $+37^\circ\text{C} \pm 0.1^\circ\text{C}$ .
- 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:  $1 \div 400$  microliters.
- Sample volume:  $1 \div 300$  microliters.
- Typical reaction volume: 200-250 microliters.
- Wavelengths on-board: 8 from 340nm to 700nm plus one free position.
- Light source: Long life halogen lamp (2000 hours).
- Photometric linearity:  $0 \div 3.0 \text{ OD}$ .
- Reading cuvette: 80 on-board re-washable made in Bionex®.
- Cuvette washing: automatic washing station.
- Water consumption: 3 liters per hour.
- All in one touch screen computer.
- L.I.S.: Bi-directional connection.
- Operative system: MS Windows®.
- Environment temperature  $18-32^\circ\text{C}$ .
- Bench top version dimensions:  $114 \times 75 \times 60 \text{ cm}$ . Weight: 80 kg.
- Floor stand version dimensions:  $190 \times 77 \times 132 \text{ cm}$ . Weight: 155 kg.



# MIURA FAMILY SOFTWARE

MAKES YOUR LIFE EASIER IN THE LAB

Miura Family software, developed by I.S.E. Group, is MS Windows® based software that is designed to give you an 'ease of use experience' with all our fully automated Miura analysers.

Miura software provides you with instant flexibility, fast programming sample routine in combination with different test profiles next to monitoring of daily test routines as well for fast lookup about patient history test data, it are all standard features in this straightforward and undemanding operator software.

Visualization of work sessions will give you an easy and clear insight in a split second. Combined with maximum flexibility in programming, the user can have a fast introduction of new methods and applications to a maximum grade of freedom. A virtually unlimited number of test protocols and test data is automatically storable and accessible to the Miura system. Neat panel draw ups provide the operator a maximum choice for his needs.

Only One training session on Miura operational software, will be sufficient for understanding and getting started with smoothly operating all models of our Miura automated analysers: a training session that reduce your service costs!

## Main software characteristics:

- Programmable instrument stand-by and wake-up functionality.
- Intuitive, modern and 'ease of use' graphical user interface that guides the user hassle free through all operations.
- Display of quality control levels with Levy-Jennings graphics.
- Fully bidirectional L.I.S. support with or without Host/Query.
- Smart visualization from all types of calibrations.
- Self-diagnosis and alarm procedures are an integral part of the Miura software.
- Custom made profiles for easy operation.
- Powerful and expandable archive for patients test result, including standards and QC-results.
- Active monitoring of reagents and main instrument liquid levels.
- Compact maintenance module active on demand.



# STABLE LIQUID REAGENTS

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



## CLINICAL CHEMISTRY REAGENT KITS

A-R0100000001	ALBUMIN BCG	6x50 ml	A-R0200000401	CK MB SL	2x50 ml	A-R0200000500	IRON FERENE	4x50 ml
A-R0200001001	ALT / GPT	4x50 ml	A-R0200000301	CK NAC	4x50 ml	A-R0200000801	MAGNESIUM	4x50 ml
A-R0200000001	ALP (DEA)	4x50 ml	A-R0200000501	CREATININE	4x50 ml	A-R0100000701	PHOSPHOROUS	6x50 ml
A-R0000000001	AMYLASE	3x50 ml	A-R0200000601	GAMMA GT	4x50 ml	A-R0100000801	TOTAL PROTEIN	6x50 ml
A-R0200001101	AST / GOT	4x50 ml	A-R0100000601	GLUCOSE	6x50 ml	A-R0100000901	TRIGLYCERIDES	6x50 ml
A-R0100000201	BILIRUBIN DIRECT	4x50 ml	A-R0200001301	HDL CHOLESTEROL	2x40 ml	A-R0200000901	UREA UV	4x50 ml
A-R0100000101	BILIRUBIN TOTAL	4x50 ml	A-R0200001401	LDL CHOLESTEROL	1x40 ml	A-R0100001001	URIC ACID	4x50 ml
A-R0100000301	CALCIUM ARSENazo III	6x50 ml	A-R0200001201	LDH-P	4x50 ml			
A-R0100000501	CHOLESTEROL	6x50 ml						

## CLINICAL CHEMISTRY CALIBRATORS & CONTROLS

R1300001101	ASL(O) Standard High	1 ml	R1300002901	FERRITIN Standard Kit	5x1 ml
R1300001301	CRP Standard High	1 ml	R1400000401	APO A1/B Control	1 ml
R1300001901	RF Standard High	1 ml	R1400001701	FIBRINOGEN Control	1 ml
R1300002501	PROTEIN Standard High	1 ml	R1400000501	LIPOPROTEIN (A) Control Low	1 ml
R1300001501	APO A1/B Standard High	1 ml	R1400000601	LIPOPROTEIN (A) Control High	1 ml
R1300002001	MICROALBUMIN Standard Kit	5x1 ml	R1400000301	BETA 2 MICROGLOBULIN Control Low	1 ml
R1300002201	FIBRINOGEN Standard	1x0.5 ml	R1400001601	BETA 2 MICROGLOBULIN Control High	1 ml
R1300001701	LIPOPROTEIN (A) Standard High	1 ml	R1400000901	IMMONOLOGY Control Low	1 ml
R1300002601	BETA 2 MICROGLOBULIN Standard	1 ml	R1400001001	IMMONOLOGY Control High	1 ml

## GENERIC CALIBRATORS & CONTROLS

R0300000006	Multicalibrator	4x3 ml
R0400000006	Normal Control Serum	4x5 ml
R0400000106	Pathological Control Serum	4x5 ml

## DEDICATED CALIBRATORS & CONTROLS

R0300000009	HDL / LDL Calibrator	1x3 ml
R0400000300	HDL / LDL Control	1x3 ml
R0400000400	CKMB Control	1x3 ml

**TURBIDIMETRY REAGENT KITS**

A-R1100000101	ALBUMIN	1x50/1x9.5 ml	A-R1100003301	FIBRINOGEN	1x25/1x5 ml
A-R1100001401	ALFA-1 - ACID GLYCOPROTEIN	1x50/1x7.5 ml	A-R1100000601	HAPTOGLOBIN	1x50/1x7 ml
A-R1100001301	ALFA-1 - ANTITRYPSIN	1x50/1x10 ml	A-R1100003401	IgA	1x50/1x8 ml
A-R1100002201	ALFA-2 MACROGLOBULIN	1x50/1x5.5 ml	A-R1100003501	IgG	1x50/1x11.5 ml
A-R1100002501	ANTITHROMBIN III	1x50/1x7.5 ml	A-R1100003601	IgM	1x50/1x6.5 ml
A-R1100000201	APOLIPO PROTEIN A1	1x50/1x9.5 ml	A-R1100003701	KAPPA LIGHT CHAIN	1x50/1x9 ml
A-R1100000301	APOLIPO PROTEIN B	1x50/1x6.5 ml	A-R1100003801	LAMBDA LIGHT CHAIN	1x50/1x9 ml
A-R1100001901	C1 ESTERASE INHIBITOR	1x50/1x5 ml	A-R1100002901	LIPOPROTEIN (A)	1x50/1x6 ml
A-R1100002001	CERULOPLASMIN	1x50/1x7.5 ml	A-R1100003901	MICROALBUMIN	1x50/1x7 ml
A-R1100002601	COMPLEMENT C3	1x50/1x7.5 ml	A-R1100003001	PREALBUMIN	1x50/1x5.5 ml
A-R1100003201	COMPLEMENT C4	1x50/1x7 ml	A-R1100004201	TRANSFERRIN	1x50/1x5 ml
A-R1100004001	CRP	1x50/1x5.5 ml			

**LATEX REAGENTS**

A-R1100004401	ANTI-STREPTOLYSIN (O)	1x50/1x8.5 ml
A-R1100001801	BETA 2 - MICROGLOBULIN	1x50/1x7.5 ml
A-R1100004301	FERRITIN	1x25/1x7.5 ml
A-R1100004101	RHEUMATOID FACTOR	1x25/1x5 ml

**ISE MODULE**

S3141000284	ISE module - Na Electrode	1 set
S3141000285	ISE module - K Electrode	1 set
S3141000286	ISE module - Cl Electrode	1 set
S3141000287	ISE module - Li Electrode	1 set
S3141000288	ISE module - Reference Electrode	1 set
S3141000289	ISE module - Spacer Electrode	1 set
S3141000290	Ise module - Reagent Pack (Cal A, Cal B)	1 set
S3141000291	ISE module - Urine Diluent	500 ml
S3141000292	ISE module - Cleaning Solution	90 ml

**HbA1c TESTING**

A-R0000000029	HbA1c	1x20 ml R1 / 1 x 4.5 ml R2 / 2 x 32 ml LYS
R0400000007	Control Low HbA1c	1 x 0.5 ml
R0400000004	Control High HbA1c	1 x 0.5 ml
R0300000003	HbA1c Calibrator	1 x 2 ml / 4 x 0.5 ml (5 levels)
A-R0000000030	HbA1c - Lysante	1x20/1x4,5 ml

**MIURA SYSTEM CONSUMABLES**

P3140000102	SYSTEMIC SOLUTION	2x1000 ml
P3140000282	MULTICLEAN SOLUTION	2x100 ml
P3140000342	CLEANER SOLUTION	2x2000 ml
P3140000113	RINSE SOLUTION (EW CVT)	6x50 ml
P3140000274	RINSE SOLUTION (EW CVT)	6x35ml
P3140000349	RINSE SOLUTION (Ew CVT) New	6x50ml
P3140000351	RINSE SOLUTION (Ew CVT) New	6x35ml
P3140000115	RINSE SOLUTION (EW PRB)	6x20 ml
P3140000275	RINSE SOLUTION (EW PRB)	6x15 ml

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I.S.E. is a dynamic company specialised in development and manufacturing of Laboratory Analysers and associated Reagents.

I.S.E. is an ISO 9001:2015 and ISO 13485:2016 certified company and all our products are CE marked. Several other certifications available.

I.S.E. have thousands of solutions installed worldwide. I.S.E. provides to our customers high end, high quality and reliable solutions of Analysers and Reagents.

Ease of use, combined with minimal operating requirements makes ISE systems the best choice for any laboratory.

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



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