



**NOVA
FRIBURGO**
P R E F E I T U R A



SECRETARIA DE
INFRAESTRUTURA
E LOGÍSTICA

PROCESSO Nº: 20458/2024

RUBRICA:  FOLHA: 35

Comissão de Pregão II

DECISÃO DE IMPUGNAÇÃO

Processo Licitatório nº 31.131/2023, referente ao Edital do Pregão Eletrônico nº 90.083/2024, **REGISTRO DE PREÇO**, para futura e eventual aquisição, sob demanda, **INSUMOS DE LABORATÓRIO**, para atender as necessidades do Hospital Municipal Raul Sertã, Hospital Maternidade Dr. Mário Dutra de Castro, Subsecretaria de Atenção Básica/Policlínica Centro Dr. Sylvio Henrique Braune e Subsecretaria de Vigilância em Saúde/Programa IST/AIDS/HV, pelo período de 1 (um) ano.

Em cumprimento ao disposto nos termos do artigo 16º, parágrafo §1º, da IN SEGES/ME nº 073 de 30 de setembro de 2022, o Pregoeiro desta Secretaria Municipal de Infraestrutura e Logística, instituído pela Portaria nº 868 de 05 de junho de 2024, da Prefeitura Municipal de Nova Friburgo, procedeu ao julgamento da Impugnação interposta pela empresa **KOVALENT DO BRASIL LTDA**, doravante denominada Impugnante, em 29 de julho de 2024, portanto, tempestiva, contra os termos do Edital do **Pregão Eletrônico nº 90.083/2024**, informando o que se segue:

I. DO RELATÓRIO

Em breve síntese, insurge-se a Impugnante contra a especificação técnica do Lote 03 do Termo de Referência. Alega que, i) às exigências de “**lavagem automática de cubetas de reação que deverão ser de vidro**” cubetas de reação que deverão ser de vidro” direciona o objeto da licitação para uma única marca, o que inviabiliza a participação de um maior número de empresas.



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SECRETARIA DE
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PROCESSO Nº: 20458/2024

RUBRICA:  FOLHA: 30

Comissão de Pregão II

Requer, ao final, o recebimento e a procedência da impugnação para republicação do edital devidamente retificado.

II. DA ANÁLISE

Considerando que as alegações da recorrente são estritamente técnicas, o assunto foi submetido à Equipe Técnica da Secretaria Municipal de Saúde para análise e manifestação.

A Secretaria Municipal de Saúde, através de sua responsável técnica, a Bióloga e Coordenadora da Rede Municipal de Laboratórios, Amanda O. G. Quima, conforme documentos (em anexo a esta decisão) acostado às fls. 09/33 do Processo de Recurso 20.458/2024, no qual negou provimento às alegações da impugnante, informando, sucintamente que, *“existem outras empresas no mercado que fornecem analisadores bioquímicos com cubetas de vidro pyrex em sua apresentação”*, demonstrando inclusive com a apresentação de fordes alguns desses equipamentos, alegou ainda que, as cubetas de vidro pyrex são reutilizáveis, mais resistentes, geram mais economia e eficiência para a rotina dos setores.

VI. DA DECISÃO DO PREGOEIRO

Isto posto, com fulcro no artigo 16º, parágrafo §1º, da IN SEGES/ME nº 073 de 30 de setembro de 2022, subsidiado pela manifestação do setor técnico requisitante, sem nada mais evocar, **CONHEÇO** da Impugnação interposta pela empresa **KOVALENT DO BRASIL LTDA** no processo licitatório referente ao Edital do **Pregão Eletrônico n.º 90083/2024**, e no mérito, **NEGO PROVIMENTO**, pela alteração do edital em comento.



**NOVA
FRIBURGO**
PREFEITURA



SECRETARIA DE
INFRAESTRUTURA
E LOGÍSTICA

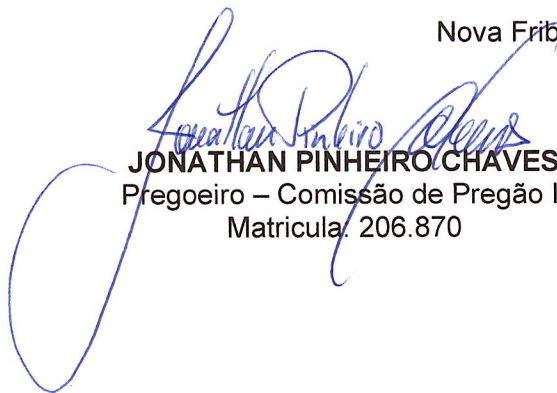
PROCESSO Nº: 20458/2024

RUBRICA:  FOLHA: 37

Comissão de Pregão II

Por fim, informamos que esta decisão será publicada na íntegra em
<https://www.novafriburgo.rj.gov.br/licitacao/> e seu extrato em
<http://www.comprasnet.gov.br>.

Nova Friburgo, 13 de agosto de 2024.


JONATHAN PINHEIRO CHAVES
Pregoeiro – Comissão de Pregão II
Matricula: 206.870



NOVA
FRIBURGO
PREFEITURA



SECRETARIA
DE SAÚDE

Nº PROC. 20453/24
DATA: 07/07/24
RUBRICA: [assinatura]

HOSPITAL MUNICIPAL RAUL SERTÃ

Mem. nº89/Setor/Laboratório de Análises Clínicas Dr. Gilberto Oliveira e Silva

Nova Friburgo, 05 de agosto de 2024.

Para: Secretaria Municipal de Saúde

Com os demais cumprimentos, vimos em atenção ao despacho constante as fls.08 verso apresentar minhas escusas e declinar das manifestação solicitadas as fls.06 referente a IMPUGNAÇÃO interposta pela empresa KOVALENT DO BRASIL LTDA.

Pois bem sobre o solicitado no Edital lote 03 referente as exigências de “lavagem automática de cubetas de reação que deverão ser de vidro” não acusa direcionamento como foi citado pela empresa KOVALENT DO BRASIL LTDA., uma vez que existem outras empresas no mercado que fornecem analisadores bioquímicos com cubetas de vidro pyrex em sua apresentação. Seguem em anexo alguns folderes destes modelos disponíveis no mercado.

Cubetas de vidro pyrex são reutilizáveis, mais resistentes, não necessitam trocá-las, desta forma trazendo economia ao processo, uma vez que elas são de uso contínuo. Sendo mais resistentes não perdemos tempo durante a rotina para trocar cubetas quebradas ou mesmo danificadas.

Sem mais para o momento, subscrevo-me


Amanda O. G. Quima

Bióloga- Coordenadora de Laboratório- Matrícula:063295

CRBIO: 057849-02D



ANALISADOR DE BIOQUÍMICA AUTOMATIZADO.
ACESSÍVEL,
CONFIÁVEL e
EFICAZ.

XL640

ANALISADOR DE QUÍMICA CLÍNICA
TOTALMENTE AUTOMÁTICO

ESPECIFICAÇÕES TÉCNICAS

TIPO DE SISTEMA

Analizador de Química Clínica Automático - sistema de acesso aleatório, processamento de amostras STAT.

CICLO COMPLETO

400 testes fotométricos/hora e 640 testes/hora com ISE.

PARÂMETROS PROGRAMÁVEIS

Sem limite na programação de parâmetros ou testes calculados e 3 parâmetros ISE (Na, K, Cl) opcionais.

MEDIÇÃO SIMULTÂNEOS

Até 45 testes fotométricos + 3 ISE (Na, K, Cl) opcionais.

TIPO DE AMOSTRA

Soro, plasma, urina, líquido cefalorraquidiano (LCR), outros fluidos biológicos e sangue total (hemólise on board da HbA1c).

MÉTODOS DE ENSAIO

Ponto final, cinética, ISE (potenciometria direta), Imunoensaio reforçado com látex e Turbidimetria.

BANDEJA DE REAGENTES

56 posições refrigeradas (8-12°C) com possibilidades de frascos de 20 e 50 ml e tubos com adaptador de 5 ml. Opção de usar um reagente para vários testes simultaneamente.

SISTEMA ÓPTICO

Lâmpada de halogêneo, 12 comprimentos de onda: 340, 376, 415, 450, 480, 505, 546, 570, 600, 660, 700 e 750 nm (grade de difração).

BANDEJA DE AMOSTRA

82 posições: Anel externo com 50 posições para amostras, anel interno com 32 posições para brancos, padrões, calibradores, controles e soluções ISE. Amostra de emergência com prioridade em qualquer posição.

BANDEJA DE REAÇÃO

72 cubetas de vidro reutilizáveis de longa vida-útil, comprimento do caminho óptico de 5 mm, com medição automática do branco da cubeta antes de cada análise.

DISPENSÇÃO DE AMOSTRA E REAGENTE

Sonda de dispensação com sensor de nível de líquido e colisão:

R1 60-300 µl – ajustável em 1 µl passo.

R2 10-300 µl – ajustável em 1 µl passo.

Amostra: 2-70 µl ajustável 0,1 µl passo.

Auto diluição de amostras e calibradores.

VOLUME DE REAÇÃO MÍNIMA

180 µl.

FAIXA DE ABSORBÂNCIA

0 – 3,0 Absorbância.

HOMOGENEIZAÇÃO

2 Homogeneizadores independente com 3 velocidades.

CONTROLE DE QUALIDADE

Gráficos de Levey-Jennings, regras de Westgard e Diagramas Twin Plot.

MECANISMO DE SEGURANÇA

3 sondas de aspiração (amostra, R1, R2) equipadas com sensor de nível, detector de colisão e detector de coágulos e fibrina.

LEITOR DE CÓDIGO DE BARRAS

Leitor de código de barras embutido para amostras e reagentes (frascos dedicados).

CONSUMO DE ÁGUA

≤ 13,5 litros/hora.

FORNECIMENTO DE ENERGIA

220 V ± 10 %, 50 Hz ± 5%, 600 VA

DIMENSÕES E PESO

910 mm (largura) x 780 mm (profundidade) x 1170 mm (altura), 200 Kg.

SOFTWARE

Em português, Inicialização automática programável do modo de suspensão (incluindo manutenção diária automática) e interface bidirecional.

ERBA DIAGNOSTICS BRAZIL

Endereço: Rua Chopin, 33 mezanino 3 sala 4 – Chácara Reunidas
Santa Terezinha/ Contagem – MG – Brasil/ CEP: 32.183-150
Contato: atendimento@erba.com
Telefone/Whatsapp: 0800 878 2391



TORNANDO A AUTOMAÇÃO ACESSÍVEL
PARA LABORATÓRIOS DE TODOS OS LUGARES!

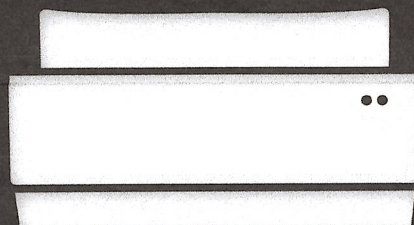
Versão nº 2 – Outubro/2023

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RANDOX

RX IMOLA

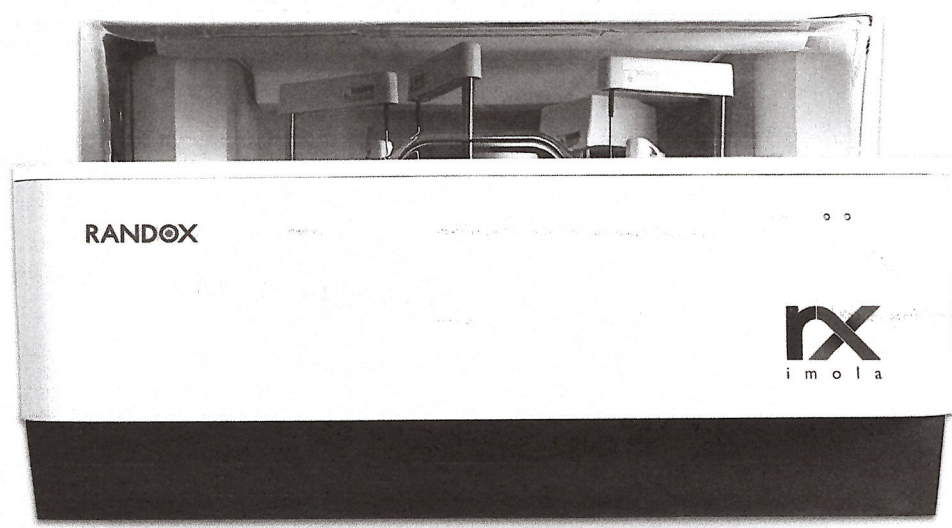
A fully automated clinical chemistry analyser



A COMBINED THROUGHPUT OF 560 TESTS PER HOUR

HA PROC *do458/24*
DATE: *08/08/24*
RUBEN *Chile* COLIMA *13*

THE RX IMOLA DELIVERS HIGH QUALITY
TESTING FOR RESULTS YOU CAN TRUST



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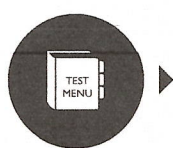
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SOLUTIONS PROVIDER

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BENEFITS

TEST MENU & CONSOLIDATION



Our extensive dedicated test menu comprises routine chemistries, lipids, antioxidants, cardiac and diabetes testing allowing laboratories to expand their testing capabilities while reducing additional costs associated with sending samples to be tested externally.

Direct, on-board, HbA1c testing capabilities provide many time saving benefits in the laboratory. As there is no pre-treatment step required HbA1c tests can be performed immediately, QC & Calibration checks are quicker, and offline calculations are not needed enabling faster recovery times.



ACCURATE RESULTS

Dual reagent probes with liquid level sensors and bubble detection minimise carry over increasing accuracy. Serum indices check the integrity of patient samples, flagging if samples are deemed icteric, haemolytic or lipaemic. Dual 5 speed stirrers are optimised for each assay to ensure highly accurate results.



QUALITY CONTROL

Providing simple, operational and testing efficiency, 6 different calibration options increase confidence with optimum algorithms being used to achieve the most accurate results. Users can view QC history with automatically generated Levey-Jennings Charts, Mean values, QC statistics and up to 10 user defined multi - rules designed to increase the probability of error detection and reduce false rejections.



FLEXIBILITY & VERSATILITY

12 wavelengths generated via diffraction grating (340-800nm) ensure a multitude of chemistries are possible on one system. The RX imola is capable of running monochromatic, bi-chromatic, endpoint, kinetic, ISE, sample blanking and reagent blanking assays. A cooled reagent carousel, with 60 positions, allows on-board storage without compromising stability.



UNRIVALLED PERFORMANCE

90 Pyrex® cuvettes with cuvette check function ensures only clean and viable reaction vessels are used. 5 speed mixing arms eliminate foaming and ensure adequate mixing of latex enhanced immunoturbidimetric assays. The continuous STAT loading hatch allows emergency samples to be analysed quickly and easily at any time.



COST SAVINGS

Minimal maintenance required with just 2 preventative maintenance services per year for reduced downtime. Intuitive user-friendly software ensures that minimal training is required. The RX imola delivers on economic efficiencies with low water consumption of only 18L per hour providing comprehensive testing for rapid and accurate results.

SYSTEM OVERVIEW

REAGENT CAROUSEL

1

60 reagent positions for 20ml, 50ml and 100ml bottles, all cooled between 8 - 15°C. Our smart reagent inventory management system with automatic barcode functionality ensures instant recognition of reagents. Randox offers a wide range of dedicated, high performing and unique reagents.

DUAL STIRRERS

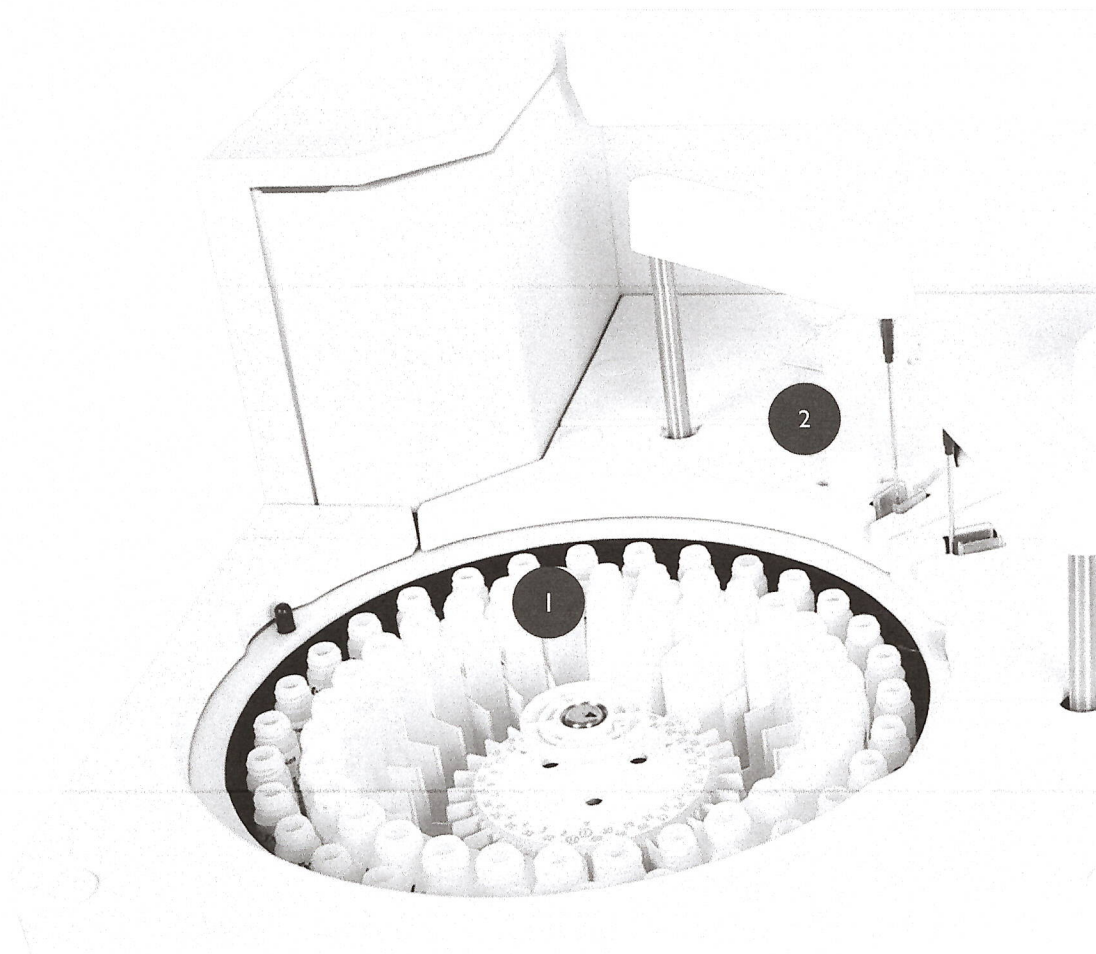
2

Dual 5 speed rotating stirrers rinsed with purified water. The option of different mixing speeds ensure each reagent and sample are at optimum viscosity to enable accurate and precise measurement.

WASH STATION

3

An 8 stage washing process with acid, alkali and pure water wash steps ensures cuvettes are thoroughly cleaned before each test. Liquid level sensors prevent cuvette overflows.



SAMPLE CAROUSEL

4

The emergency loading port allows run interruption for STAT sample processing. 72 positions are contained within the outer ring of the carousel for normal and STAT samples with 20 positions available in the inner ring for QC and calibrators. Barcode sample identification ensures accurate matching of patient identification to specimen.

PERMANENT CUVETTES

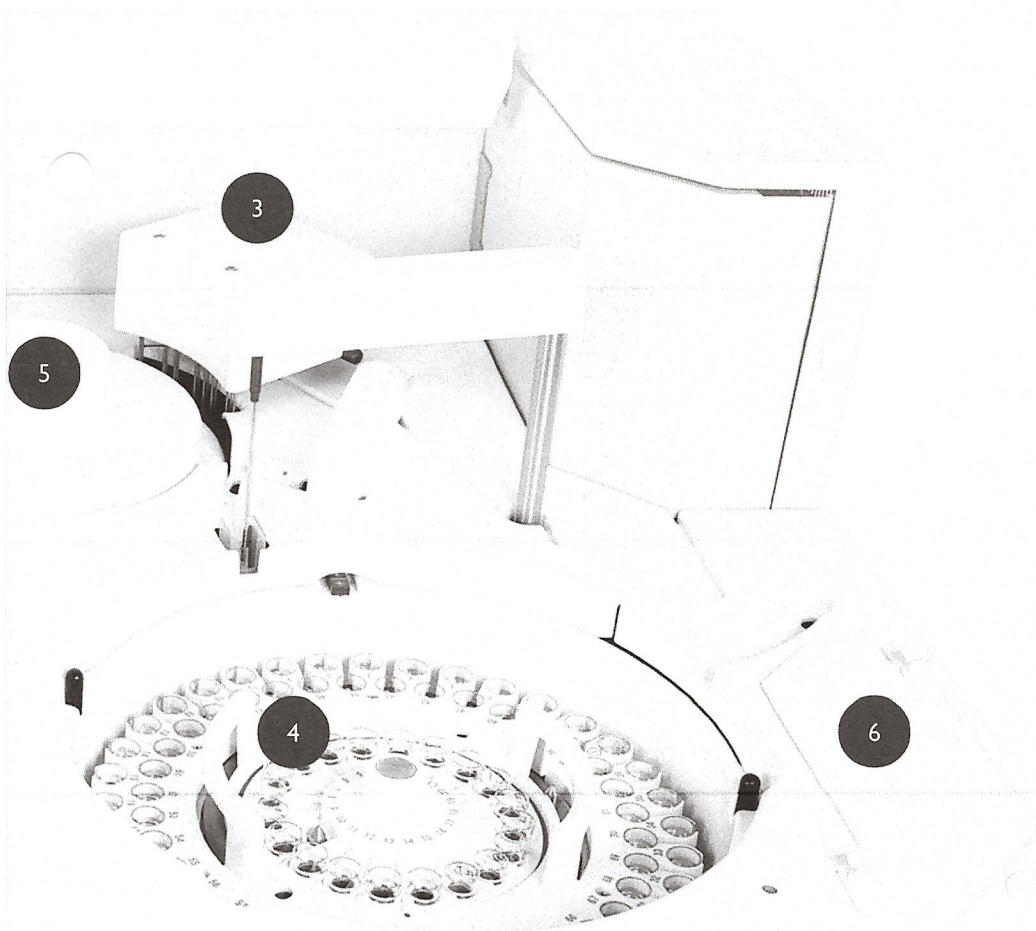
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With 90 permanent Pyrex® cuvettes, the RX imola reduces downtime and ongoing consumable costs associated with changing disposable or semi-disposable cuvettes. Permanent cuvettes offer a lifespan of up to 5 years ensuring stability and accuracy of patient results.

ISE UNIT

6

Providing cost savings, the RX imola has a built in ISE unit for direct measurements of sodium, potassium and chloride. The direct ISE approach requires no dilution steps to be carried out limiting possible sources of inprecision.



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THE RX SERIES TEST MENU



CLINICAL

AUTOIMMUNE:

Complement Component 3
Complement Component 4
CRP
CRP Full Range (0.3-160mg/l)
CRP High Sensitivity
IgA
IgE
IgG
IgM
Rheumatoid Factor

BASIC METABOLIC PROFILE:

Calcium
CO₂ Total
Chloride
Creatinine
Glucose
Potassium
Sodium
Urea

BONE PROFILE:

Alkaline Phosphatase
Calcium
Phosphorus
Total Protein

CARDIAC:

Cholesterol
CK-MB
CK-NAC
CRP
CRP Full Range (0.3-160mg/l)
CRP High Sensitivity
Direct HDL Cholesterol
Direct LDL Cholesterol
Homocysteine
Lipoprotein (a)
sdLDL
Triglycerides

COMPREHENSIVE METABOLIC PROFILE:

Albumin
Alkaline Phosphatase
ALT
AST (GOT)
Direct Bilirubin
Calcium
Chloride
CO₂ Total

Creatinine
Glucose
Lactate
Potassium
Sodium
Total Bilirubin
Total Protein
Urea

DIABETES:

Cholesterol
Creatinine
Cystatin C
Direct HDL Cholesterol
Direct LDL Cholesterol
Fructosamine
Glucose
Glycerol
HbA1c (Direct)
HbA1c/Hb (Indirect)
Microalbumin
NEFA (Non-Esterified Fatty Acids)
Ranbut (D-3-Hydroxybutyrate)
Total Protein
Triglycerides
Urinary Protein

ELECTROLYTES:

Calcium
Chloride (Nondirect)
CO₂ Total
Magnesium
Potassium (Nondirect)
Sodium (Nondirect)

HAEMOLYTIC ANAEMIA:

G-6-PDH
Haptoglobin
LDH

HEPATIC FUNCTION:

Albumin
Aldolase
Alkaline Phosphatase
ALT
Ammonia
AST (GOT)
Bile Acids
Cholinesterase
Complement Component 3
Complement Component 4
Direct Bilirubin
Gamma GT

GLDH
Glycerol
Haptoglobin
IgA
IgG
IgM
Iron (UIBC)
LDH
Total Bilirubin
Total Protein
Transferrin
Transthyretin (Prealbumin)

INFLAMMATION AND INFECTION:

ASO
CRP
Lactate
Rheumatoid Factor

LIPIDS:

Apolipoprotein A-I
Apolipoprotein AII
Apolipoprotein B
Apolipoprotein CII
Apolipoprotein CIII
Apolipoprotein E
Cholesterol
Direct HDL Cholesterol
Direct LDL Cholesterol
Lipoprotein (a)
sdLDL
Triglycerides

NEONATAL SCREENING:

CRP
CRP Full Range (0.3-160mg/l)
CRP High Sensitivity
IgE
Transthyretin (Prealbumin)

NEUROLOGICAL DISORDERS (CSF):

IgA
IgG
IgM

NUTRITIONAL STATUS:

Albumin
Copper
Ferritin
Iron
Iron (UIBC)

Lipase
Magnesium
Potassium
TIBC
Transferrin
Transthyretin (Prealbumin)
Zinc

PANCREATIC FUNCTION:

Amylase
Glucose
LDH
Lipase
Pancreatic Amylase

RENAL FUNCTION:

Albumin
Ammonia
Beta-2 Microglobulin
Calcium
Chloride
Creatinine
Cystatin C
Glucose
HbA1c (Direct)
HbA1c/Hb (Indirect)
IgG
LDH
Magnesium
Microalbumin
Potassium
Sodium
Phosphorus (Inorganic)
Urinary Protein
Urea
Uric Acid

Product availability may vary from country to country. Please check with your local Radox representative.

20453/24
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20



VETERINARY

Albumin
Alkaline Phosphatase
ALT (GPT)
Aldolase
Ammonia
Amylase
AST (GOT)
Bile Acids
Bilirubin (Total)
Bilirubin (Direct)

Bilirubin (Indirect)
Potassium
Ranbut (D-3-Hydroxybutyrate)

Cholesterol
Cholinesterase (Butyryl)
CK-NAC
CO₂ Total
Copper
Creatinine
Canine CRP
Fructosamine
Gamma-GT

Glycerol
Iron (UIBC)
Lactate
Lactate Dehydrogenase
LDL
Lipase
Magnesium
NEFA (Non-Esterified Fatty Acids)

Ransel (Glutathione Peroxidase)
Ransod (Superoxide Dismutase)
Sodium
Total Protein
Triglycerides
Urea
Uric Acid
Urinary protein



TOXICOLOGY

THERAPEUTIC DRUGS:

Phenobarbital
Valproic Acid

DRUGS OF ABUSE:

Ethanol



PROTEINS

SPECIFIC PROTEINS:

Apolipoprotein A-I
Apolipoprotein AII
Apolipoprotein B
Apolipoprotein CII
Apolipoprotein CIII
Apolipoprotein E
ASO

Beta-2 Microglobulin
Complement Component 3
Complement Component 4
CRP
CRP Full Range (0.3-160mg/l)
CRP High Sensitivity
Cystatin C
Ferritin
Fructosamine



RESEARCH

ANTIOXIDANTS:

Albumin
Bilirubin
Ferritin
Glutathione Reductase
Ransel (Glutathione Peroxidase)
Ransod (Superoxide Dismutase)
TIBC

Total Antioxidant Status
Transferrin
Uric Acid

FOOD AND WINE TESTING:

Acetic Acid
Ammonia
Copper

Haptoglobin
HbA1c (Direct)
HbA1c/Hb (Indirect)
IgA
IgE
IgG
IgM
Lipoprotein (a)
Microalbumin

Rheumatoid Factor
sTfR
Transthyretin (Prealbumin)
Transferrin

Ethanol
Glucose/Fructose
Malic Acid
Potassium
TAS

N2 P100
DATA: 20/58/24
08/08/24
JHE

SOFTWARE

The RX imola incorporates Windows® 10 based software. This intuitive software is easy for users to navigate, enhancing productivity requiring minimal training. The main screen links to a number of tabs including: Quality Control, Parameter, Calibration and Maintenance, allowing for simple access to information and straight forward selection of the operations required. Secure remote diagnostics saves money and time by allowing access to expert technical and applications staff anytime, anywhere. LIMS (Laboratory Information Management System) connectivity is easily achievable via ASTM standard.

Run Monitor													
Time at run started: 18:02													
Estimated time at sample complete: 18:19													
Estimated time at run end: 18:32													
Pos	PD	SID	Method	R1	S	M1	O1	R2	M2	C2	Result	CN	Error
16		R9401601011	BUT2PB	*	*	*	*	*	*	*	0.96	52	
16		R9401601011	BUT3PB	*	*	*	*	*	*	*	0.53	53	
17		R9401701011	BUT1PB	*	*	*	*	*	*	*	0.75	54	
17		R9401701011	BUT2PB	*	*	*	*	*	*	*	0.86	55	
17		R9401701011	BUT3PB	*	*	*	*	*	*	*	0.90	56	
18		R9401801011	BUT1PB	*	*	*	*	*	*	*	0.97	57	
18		R9401801011	BUT2PB	*	*	*	*	*	*	*	1.14	58	
18		R9401801011	BUT3PB	*	*	*	*	*	*	*	1.06	59	
19		R9401901011	BUT1PB	*	*	*	*	*	*	*	1.15	60	
19		R9401901011	BUT2PB	*	*	*	*	*	*	*	1.43	61	
19		R9401901011	BUT3PB	*	*	*	*	*	*	*	1.31	62	
20		R9402001011	BUT1PB	*	*	*	*	*	*	*	1.20	63	
20		R9402001011	BUT2PB	*	*	*	*	*	*	*	1.24	64	
20		R9402001011	BUT3PB	*	*	*	*	*	*	*	1.74	65	
21		R9402101011	BUT1PB	*	*	*	*	*	*	*	0.32	66	
21		R9402101011	BUT2PB	*	*	*	*	*	*	*	0.30	67	
21		R9402101011	BUT3PB	*	*	*	*	*	*	*	0.30	68	
22		R9402201011	BUT1PB	*	*	*	*	*	*	*	1.23	69	
22		R9402201011	BUT2PB	*	*	*	*	*	*	*	1.21	70	
22		R9402201011	BUT3PB	*	*	*	*	*	*	*	1.22	71	
23		R9402301011	BUT1PB	*	*	*	*	*	*	*	0.01	72	
23		R9402301011	BUT2PB	*	*	*	*	*	*	*	0.00	73	
23		R9402301011	BUT3PB	*	*	*	*	*	*	*	0.00	74	

REPORTS

The operator can search for previous reports and view real time results status, including time left until completion. The RX imola has a high capacity storage of up to 30,000 patient reports.

Inventory									
Pos	Name	Type	Lot	Size	Vol(mL)	Tests	Method	Total	Valid
31									
32									
33									
34									
35	DLDL	R1	957	50mL	48.1	DLDL	291	09/31/2017	7 AHQLB7800
36	GLUPAP	R1	439	50mL	45.8	GLUPAP	235	11/30/2017	7 ATC7B7804
37									
38	CREAT	R1	331	50mL	45.7	CREAT	338	04/30/2019	-6 AP97B916H
39									
40	TRIGS	R1	189	50mL	48.2	TRIGS	247	03/31/2019	-1 BMS9B9304
41	CREAT	R2	332	50mL	24.9	CREAT	338	04/30/2019	-6 AF98C54001
42									
43									
44	DHDL	R1	923	50mL	48.0	DHDL	365	06/31/2017	-14 AGF1B7501
45	URIC	R1	255	50mL	42.6	UA	258	09/30/2017	-14 B073B7900
46									
47	CAL 1S	R1	167	50mL	41.5	CAL1S	251	07/31/2018	18 CE41B7802
48	ALB	R1	115	50mL	39.4	ALB	167	05/31/2018	-8 A237B85047

REAGENT INVENTORY

Remaining reagent volume is automatically calculated on-board alongside the number of tests available and stability of the reagents. Should insufficient volume remain for any reagent, an alert will appear, allowing the operator to resolve the situation.

Ready		Date Time		Wakeup Time		Mode	
Run (F5)	Parameter (F6)	Calibration (F7)	QC (F8)	System (F9)	Mainte (F10)	EL	SEARCH
Chemistry Parameters							
Method	Name	R1	Reagent Name	Reagent(uL)	Water(uL)		
Print Name		R2					
Sample	Common						
Unit							
Assay Type	Rate						
Measuring Points	Start	End					
Enable	2						
Wave Length	Phos	Sec	Disable	570			
Normal	Sampling	Sample(uL)	Diluent(uL)				
	2.0	0.0					
Reagent(Prozone)							
	2.0	0.0					
Reagent(uL)							
	2.0	0.0					
Technical Range (Conc.)	0.00						
	(mAb/10)						
SPI Wash	Enable						
Stirring Speed	R1	Middle	R2	Middle			
Copy	Save	Cancel					

CHEMISTRY PARAMETERS

The chemistry parameters screen enables pre-sample dilution to be set up and re-running of assays as required. The user may set up to 20 different test profiles and define the order of analysis.

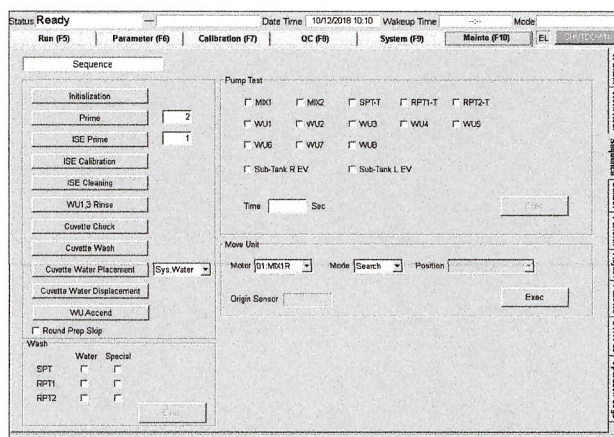
Ready		Date Time		Wakeup Time		Mode	
Run (F5)	Parameter (F6)	Calibration (F7)	QC (F8)	System (F9)	Mainte (F10)	EL	SEARCH
Results							
Search for	Sample Type	All	SID	From			Se
Sample	All			To			Search
Date From	Disable	02/10/2006	To	Disable	05/10/2006	Round #	4
Send	ALL	Result Output	Monitor				
Result	Judgement	Range	Flag	Error Code	Output Time	Count	
R1L	R2L	ABS					
Date	Round	ID	SID	CREAT			
06/10/2006	4		000011	6438.83			
06/10/2006	4		000011	16420.20			

RESULTS

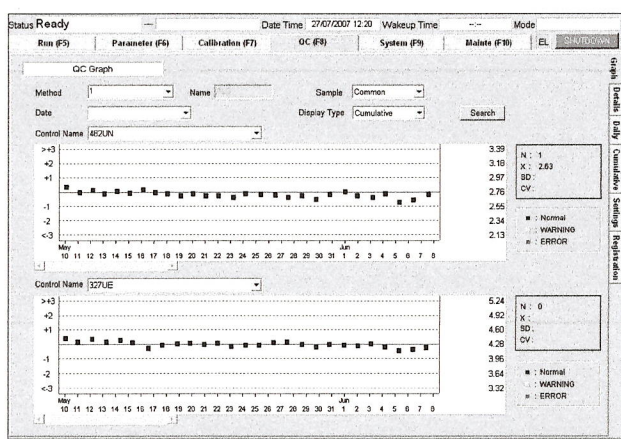
Results are easily retrievable via various search options, like sample type, date or sample category etc. Laboratory staff can download and print results or transmit results to the LIMS system for all relevant clinicians to view.

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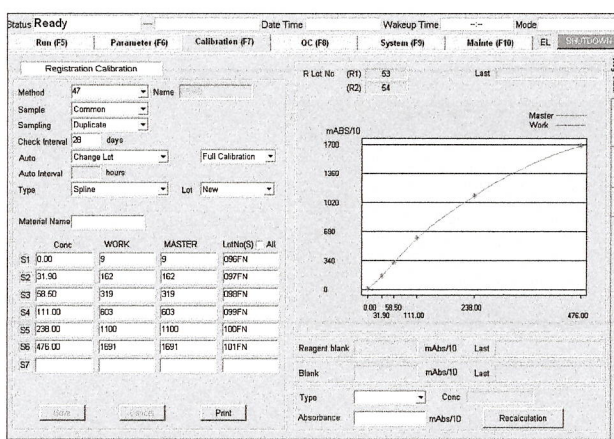
This screen indicates the number of tests and time left until completion. STAT samples may be added without disturbing existing runs.



Less than 5 minutes daily maintenance is required.



The QC screen generates Levey-Jennings charts and calibration curves allowing a visual performance assessment plus easy identification of QC errors and emerging trends. QC multi rules can be applied to ensure high error detection and minimal false rejection.



The software displays the current valid calibration for each assay installed, the reagent blank absorbance and the calibration check interval. There are 6 calibration models available: Factor, Linear, Point to point, Log-logit, Exponential and Spline.

FEATURES AT A GLANCE

Providing excellence in clinical chemistry, the RX imola fully automated system combines robust hardware and intuitive software with a wide range of unique and innovative features.



Liquid level sensor; crash, bubble and clot detection



Low water consumption of just 18 litres per hour



Versatile reagent carousel with 60 cooled positions



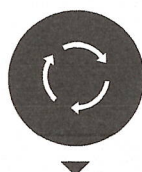
Unique loading hatch allows emergency samples to be analysed quickly and easily at any time



90 permanent Pyrex® cuvettes with innovative cuvette check functionality which optimises analyser performance



Universal sample carousel with 72 positions and 20 cooled control and calibrator positions



Dual 5 speed stirrers enabling mixing to be optimised for each assays requirements




Sleep and auto start functionality and automatic re-runs of sample for faults detected



Maximum of 5 minutes daily maintenance required

ORDERING & CUSTOMER SUPPORT



In choosing to purchase the RX imola from Randox you are partnering with a company that has over 40 years' experience in the IVD industry and clinical chemistry analyser placements in over 120 countries worldwide. Customers needs vary and Randox sales staff and distributor partners will work with your laboratory to create a bespoke package to suit your requirements. Randox Laboratories provide customers with an unrivalled technical support service.

ORDERING INFORMATION

RX imola analyser	RX4900
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For more information contact your local representative, or email us at: theRXseries@randox.com

SPECIFICATIONS

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PHYSICAL DIMENSIONS

Height	690 mm, 27in
Depth	582 mm, 23in
Width	970 mm, 38in
Weight	150 kg, 331 lbs

PERFORMANCE CHARACTERISTICS

Throughput	400 photometric tests per hour, 240 ISE tests per hour. Combined throughput of 560 tests per hour
Analyser accreditation	CE marking in compliance with In Vitro Diagnostic Medical Device Directive 98/79/EC, FDA 510k cleared and UL certification
Analyser type	Compact fully automated random access bench top clinical analyser
Assay tests	Endpoint, kinetic, biochromatic, turbidmetric, sample blanking, reagent blanking and ISE
Maintenance	Daily maintenance-less than 5 minutes. No rear access required. Simple twice yearly preventative maintenance service
Data management	Storage of up to 30,000 patient reports, search facility, test counter
Test channels	60 photometric channels, 3 direct ISE tests - sodium, potassium and chloride
Sleep mode	User defined sleep mode capabilities with automatic wash and instrument prep

REAGENT & SAMPLE SYSTEM

Reagent capacity	Removable tray with 60 cooled positions (30 positions for 100 or 50ml bottles and 30 positions for 20ml bottles)
Reagent cooling	8-15°C
Reagent identification	Automatic barcode reagent identification
Reagent inventory	Calculation of remaining reagent volume and tests available, alert for shortage, expired reagent and expired calibration
Reagent pipette	Dedicated twin reagent micropipette with liquid level sensor and crash detection, rinsed inside and outside with purified water
Sample addition	Immediate sampling interruption for addition of samples via removable panel
Sample capacity	Removable tray with 72 positions for samples, 20 cooled position for controls and calibrators
Sample dead volume	150µl in standard or primary tubes, 100µl in paediatric cups
Sample dilution	Pre-dilution and automatic re-assay with diluted, reduced or increased sample volume. Dilution mixture 100-350µl consisting of 2-35µl of sample and 20-350µl of diluent
Sample identification	Barcode sample identification
Sample pipette	Dedicated sample micropipette with liquid level sensor, crash detection, bubble detection and 4 levels of clot detection. Rinsed inside and outside with purified water
Sample tube Size	Multiple primary tube sizes (diameter 13 to 16mm, height 75 to 100 mm), paediatric cups
Sample type	Serum, Plasma, Urine, Supernatant & Whole Blood

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Sample volume	2 to 35µl (0.1µl increments)
STAT sampling	Immediate STAT sampling interruption

REACTION SYSTEM

Minimum reaction volume	150µl
Stirring speed	Dual 5-speed rotating stirrers rinsed with purified water
Stirring system	Paddle type rotating stirrer cleaned with purified water
Temperature	37°C±0.3
Cuvettes	90 reusable Pyrex® cuvettes with 5-year lifespan, min volume 150µl. Max volume 450µl, 8-stage cuvette washing system
Cuvette size	8(W) × 6.23(D) × 30(H) mm
Cycle time	9 seconds
Water consumption	18L per hour
Water requirements	NCCLS type 1 or 2 purified water supply at pressure [0.15-0.34Mpa]

OPTICAL SYSTEM

Detector method	Direct absorbance in cuvette (bichromatic and monochromatic)
Detection principal	12 wavelengths: 340, 380, 415, 450, 510, 546, 570, 600, 660, 700, 750 and 800 nm
ISE tests	Integrated ISE unit
Light source	Halogen tungsten lamp (air-cooled, 6 months service life)

CALIBRATION & QC

Quality control	Interactive Levey-Jennings Charts, Daily, Monthly and Batch QC with data archiving, Automatic QC and Automatic calibration
Calibration principal	Factor, Linear, point to point, spline, log-logit and exponential. Up to 7 calibrators per test

POWER & CONNECTIVITY

Input voltage	100 - 240 Vac
Power consumption	<900 VA
UPS requirements	1230 W (analyser and PC)
LIMS connectivity	Bi-directional; ASTM standard (RS232 connection)

OPERATING SYSTEM

Operator interface	15" LCD display and printer externally connected. Windows® based user Interface 100-249 VAC, 1230 Watt approx
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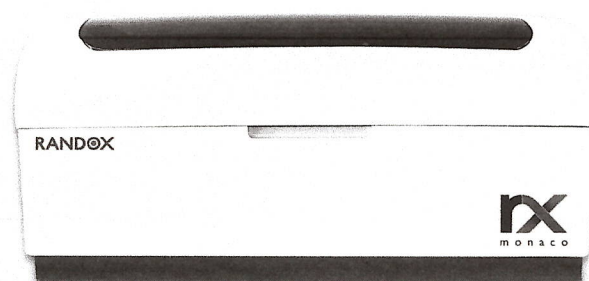
THE RX SERIES



RX MISANO

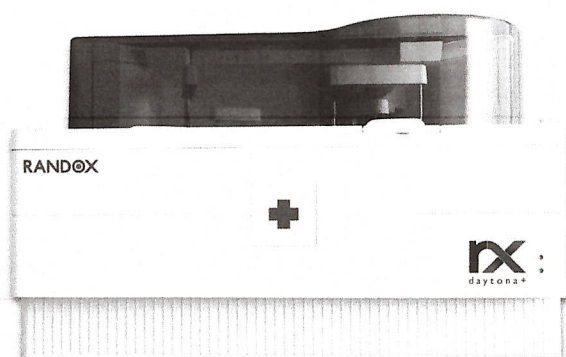
A semi-automated clinical chemistry analyser with the ability to run flow cell or cuvette mode. The RX misano offers 9 wavelengths spanning 340 - 700nm. A large 7" touch screen monitor responsive even when wearing lab gloves allows the user to easily navigate through the testing screens of the analyser. USB port allows users to import Randox-defined test menus and export patient, QC and calibration results.

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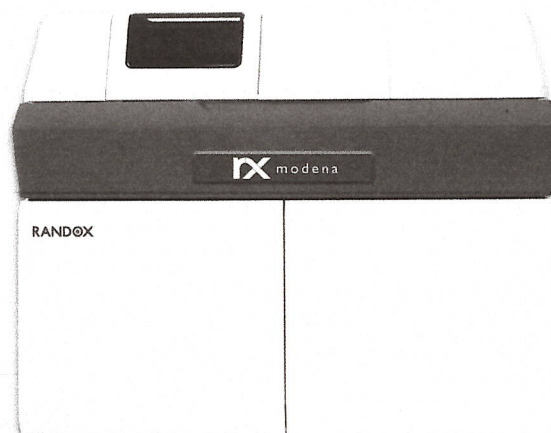
RX MONACO

The RX monaco is a fully automated, cost effective solution for low to mid volume clinical chemistry testing offering the ultimate in convenience, performance and confidence. At optimal configuration, the RX monaco performs 170 tests per hour, providing cost effective, high quality testing for small to medium sized laboratories. The RX series test menu allows for complete consolidation of routine and specialised testing onto one efficient, easy to use platform.



RX DAYTONA+

The RX daytona+ is a bench-top, fully automated, random access clinical chemistry analyser capable of performing 270 photometric tests per hour, or 450 tests per hour including ISE. The most versatile analyser in its class, the RX daytona+ combines robust hardware and intuitive software with the world leading RX series test menu including routine & specialised testing and emergency STAT sampling for unrivalled performance.



RX MODENA

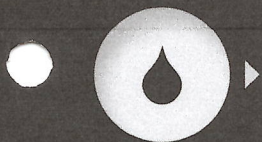
A fully automated, random access, floor standing clinical chemistry analyser with a photometric throughput of 800 test per hour, increasing to 1200 including ISE. There are 13 wavelengths spanning 340-800nm and a fully automated onboard, haemolysis function for running direct HbA1c. Accurate results are supported by liquid level, clot, and crash detection. The operating system utilises a modern touchscreen interface and Windows 10 icon based software.

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RANDOX - A GLOBAL DIAGNOSTIC SOLUTIONS PROVIDER

Randox has been supplying laboratories worldwide with revolutionary diagnostic solutions for over 40 years. Our experience and expertise allow us to create a leading product portfolio of high quality diagnostic tools which offer reliable and rapid diagnosis. We believe that by providing laboratories with the right tools, we can improve healthcare worldwide.

REAGENTS



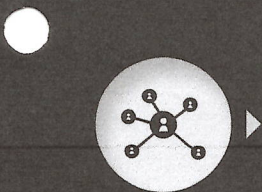
Randox offers an extensive range of third-party diagnostic reagents which are internationally recognised as being of the highest quality; producing accurate and precise results. At Randox, we re-invest significantly in R&D to ensure we meet the ever-changing needs of the laboratory. Consequently, Randox offer a range of novel and superior performance assays, including: sdLDL-C, Lipoprotein (a), Copper and Zinc. Applications are available detailing instrument-specific settings for the convenient use of Randox Reagents on numerous clinical chemistry analysers.

INTERNAL QUALITY CONTROL



Acusera third party quality controls are made using the highest quality material of human origin, ensuring they react like a real patient sample. With more than 390 analytes available across the Acusera range we can uniquely reduce the number of controls required while reducing costs and time. Our product range includes clinical chemistry, immunoassay, urine, immunology and more. Qnostics molecular controls for infectious disease testing are designed to meet the demand of today's molecular diagnostics laboratory while effectively monitoring the entire testing process. Our whole pathogen molecular controls comprise hundreds of characterised viral, bacterial and fungal targets.

EXTERNAL QUALITY ASSESSMENT



RIQAS is the world's largest international EQA scheme with more than 50,000 participants worldwide. 39 comprehensive, yet flexible programmes cover a wide range of clinical diagnostic testing including chemistry, immunoassay, cardiac, urine, serology and more. Our programmes benefit from a wide range of concentrations, frequent reporting, rapid feedback and user-friendly reports. QCMD, our range of EQA programmes for molecular infectious disease testing, features a whole pathogen matrix making them a true test of patient sample analysis. With access to over 90 programmes including blood borne viruses, respiratory diseases, multi-pathogen infections and more, there is something for every laboratory.

EVIDENCE SERIES



In 2002, Randox invented the world's first, Biochip Array Technology, offering highly specific tests, coupled to the highly sensitive chemiluminescent detection, providing quantitative results instantly changing the landscape of diagnostic testing forever. The Randox Evidence Series of multi-analyte immunoanalyser's provide an unrivalled increase in patient information per sample offering diagnostic, prognostic and predictive solutions across a variety of disease areas with a highly advanced clinical and toxicology immunoassay test menu including cardiac, diabetes, drugs of abuse, metabolic, renal and stroke markers.

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CONTACT US FOR MORE INFORMATION ON ANY OF OUR PRODUCTS AND SERVICES:

Headquarters

Randox Laboratories Ltd, 55 Diamond Road, Crumlin, County Antrim, BT29 4QY, United Kingdom
+44 (0) 28 9442 2413 • marketing@randox.com • randox.com/clinical-chemistry-analysers/

International Offices



AUSTRALIA
Randox (Australia) Pty Ltd.
Tel: +61 (0) 2 9615 4640



BRAZIL
Randox Brasil Ltda.
Tel: +55 11 5181-2024



CHINA
Randox Laboratories Ltd.
Tel: +86 021 6288 6240



CZECH REPUBLIC
Randox Laboratories S.R.O.
Tel: +420 2 1115 1661



FRANCE
Laboratoires Randox
Tel: +33 (0) 130 18 96 80



GERMANY
Randox Laboratories GmbH
Tel: +49 (0) 215 1937 0611



HONG KONG
Randox Laboratories Hong Kong Limited
Tel: +852 3595 0515



ITALY
Randox Laboratories Ltd.
Tel: +39 34 0080 9323



INDIA
Randox Laboratories India Pvt Ltd.
Tel: +91 80 2802 5000



POLAND
Randox Laboratories Polska Sp. z o.o.
Tel: +48 22 862 1080



PORTUGAL
Irladox Laboratorios Quimica Analitica Ltda
Tel: +351 22 589 8320



PUERTO RICO
Clinical Diagnostics of Puerto Rico, LLC
Tel: +1 787 701 7000



REPUBLIC OF IRELAND
Randox Teoranta
Tel: +353 7495 22600



SLOVAKIA
Randox S.R.O.
Tel: +421 2 6381 3324



SOUTH AFRICA
Randox Laboratories SA (Pty) Ltd.
Tel: +27 (0) 11 312 3590



SOUTH KOREA
Randox Korea
Tel: +82 (0) 31 478 3121



SPAIN
Laboratorios Randox S.L.
Tel: +34 93 475 09 64



SWITZERLAND
Randox Laboratories Ltd. (Switzerland)
Tel: +41 41 810 48 89



UAE
Randox Medical Equipments Trading LLC
Tel: +971 55 474 9075



USA
Randox Laboratories-US, Ltd.
Tel: +1 304 728 2890



VIETNAM
Randox Laboratories Ltd. Vietnam
Tel: +84 (0) 8 3911 0904

For technical support contact: technical.services@randox.com

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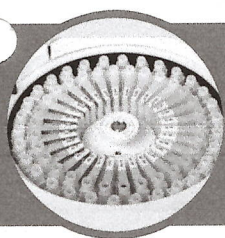


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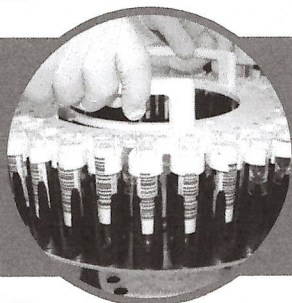


labmax[®] 560

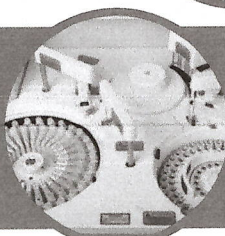
O Labmax 560 é um analisador de alta performance e produtividade para testes bioquímicos e imunoquímicos. Sua tecnologia proporciona agilidade, segurança e qualidade às rotinas laboratoriais. **O equipamento perfeito para o laboratório que quer conquistar o seu espaço.**



Produtividade e estabilidade. O Labmax 560 possui velocidade nominal de 560 testes/hora com ISE. Possui bandeja refrigerada, o que garante estabilidade dos reagentes on board. A bandeja conta com 60 posições para a execução de testes bioquímicos e imunoquímicos simultâneos em uma mesma rotina.



Segurança e autonomia. A bandeja de amostras é móvel e possui 72 posições para cubetas plásticas ou tubos primários e 20 posições internas para calibradores e controles. Possui sonda exclusiva para amostras, evitando contato com os reagentes, minimizando as chances de contaminações cruzadas.



Eficiência e economia. O analisador trabalha com um volume reduzido de reação (no mínimo 150 µL), maximizando o rendimento do reagente. As 90 cubetas do Labmax 560 são de vidro (Pyrex[®]). Duráveis e com baixíssima frequência de trocas, são uma alternativa na redução dos custos laboratoriais.

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560

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DATA: 08/09/2019
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Setembro / 2019

Especificações do Modelo

Velocidade Nominal	<ul style="list-style-type: none"> • 400 testes fotométricos/hora • 560 testes quando combinados com ISE
Reagentes	<ul style="list-style-type: none"> • 60 posições na bandeja; • Recipiente: 20 mL, 40 mL, 50 mL, 70 mL e 100 mL; • Volume de aspiração: 20 µL a 350 µL; • Temperatura de Refrigeração: 8 a 15° C.
Amostras	<ul style="list-style-type: none"> • Leitor de código de barras; • Bandeja com 72 posições (amostras, ISE e emergência) e 20 posições (Controles e calibradores); • Volume de aspiração: 2 µL a 35 µL (intervalo mínimo de 0.1 µL).
Reação	<ul style="list-style-type: none"> • 90 cubetas de vidro individuais (Pyrex®); • Volume de reação: 150 µL a 450 µL; • Monitoramento da reação.
Metodologias	<ul style="list-style-type: none"> • Permite programar 240 testes ópticos e 40 testes calculados; • Calibrações lineares, não-lineares com visualização gráfica das curvas.
Sistema fotométrico	<ul style="list-style-type: none"> • Fotômetro com grade de difração com 12 diferentes comprimentos de onda (340 a 800 nm); • Leitura bicromática (uso de comprimentos de onda secundário); • Lâmpada halógena de tungstênio; • 400 testes/hora (fotométricos/turbidimétricos).
Sistema de lavagem	<ul style="list-style-type: none"> • Lavagem automática das cubetas de reação; • Utiliza solução alcalina, ácida e água; • Lavagem das sondas interna e externamente com água; • Consumo de água: 18 L/h.
Sistema de homogeneização	Utilização de dois homogeneizadores.
Sistema de pipetagem	<ul style="list-style-type: none"> • Sondas independentes e exclusivas para R1, R2, amostras e módulo ISE; • Detector de nível para amostras e reagentes.
Armazenamento de dados	Memoriza os últimos 1000000 resultados de pacientes e 25000 calibrações e 50000 controles.
Sistema de interface	Saída RS 232 bidirecional.
Software	<ul style="list-style-type: none"> • Ambiente Windows; • Possibilita programar as manutenções diárias de maneira automática.
Controle da qualidade	Regras múltiplas de Westgard e gráfico de Levey-Jennings.
ISE	160 testes/hora (sódio, potássio e cloro).
Dimensões (AXLXP)	58,2 x 97 x 69 cm.
Peso	150 Kg.

De: Gestão de Processos, Contratos e Convênios – SMS

Processo nº 20458/2024

Para: Comissão de Pregão II

DESPACHO

O presente administrativo versa a **IMPUGNAÇÃO**, interposta da empresa **KOVALENT DO BRASIL LTDA**, quanto ao processo administrativo sob nº 31131/2023, Insumos de Laboratório, para atender as necessidades do Hospital Municipal Raul Sertã, Hospital Maternidade Dr. Mário Dutra de Castro, Subsecretaria de Atenção Básica/Policlínica Centro Dr. Sylvio Henrique Braune e Subsecretaria de Vigilância em Saúde/Programa IST/AIDS/HV, pelo período de 1 (um) ano.

Considerando que o pedido de impugnação da empresa acima citada é de ordem técnica, cumpre esclarecer que o presente setor não dispõe da expertise necessária para apurar tal solicitação.

Desta feita, após parecer da equipe técnica do Laboratório de Análise Clínicas Dr. Gilberto Oliveira e Silva, acostado às fls. 09/33, encaminhamos os presentes autos a Comissão de Pregão, para ciência e providências, tendo em vista o prosseguimento do feito.

Nova Friburgo/RJ, 09 de agosto de 2024.



Igor Faria de Jesus

Gestão de Processos, Contratos e Convênios – SMS

Mat.: 063.036