

Proline R-910

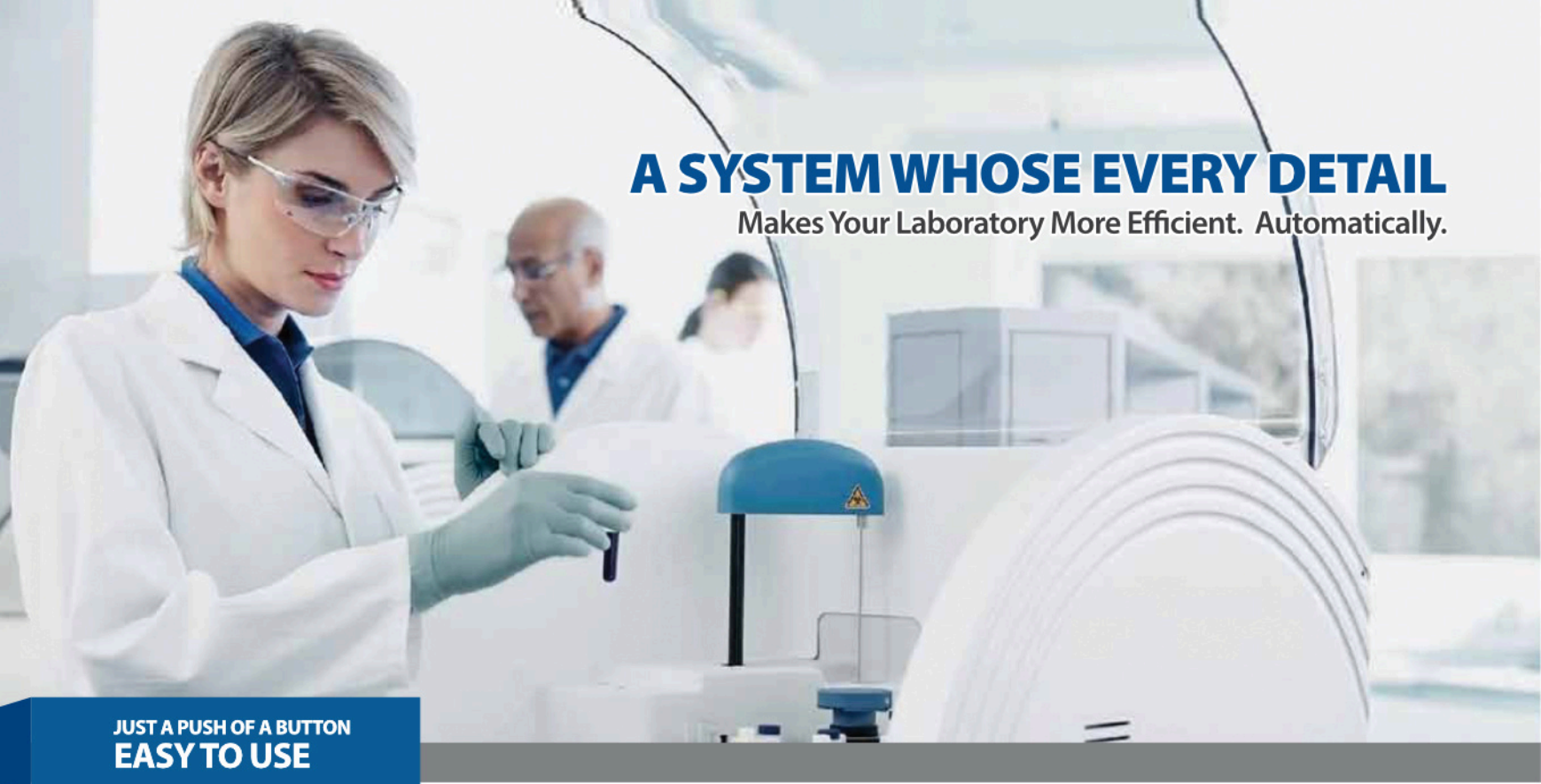
Discover Your Potential



Efficiency. Power. Flexibility.
Small In Size – Big In Performance.



made in GERMANY



A SYSTEM WHOSE EVERY DETAIL

Makes Your Laboratory More Efficient. Automatically.

JUST A PUSH OF A BUTTON
EASY TO USE

Laboratories need to be both highly efficient and economical in order to succeed in today's competitive world. Their workflow has to be optimized and run without interruption, and for this instruments must be easy to use. The Proline R-910 is the ideal solution: it can be put to work right away by well-trained employees. And it requires minimal maintenance and service.

PARAMETER	Target TLN* value	Mean TLN* value	Recovery %	Target TLN* value	Mean TLN* value	Recovery %	CV% TLN*	CV% TLP**
ALT (U/L)	31.8	34.7	109	105	114	109	1.80	0.69
CHOL (mg/dL)	136	133	98.1	204	201	98.4	1.79	1.99
CREA-PAP (mg/dL)	1.02	1.08	106	7.43	7.77	104	1.95	1.30
CRP (mg/dL)	19.8	18.7	94.5	59.8	55.8	93.3	2.09	1.86
DBIL (mg/dL)	0.53	0.56	106	2.24	2.46	110	1.94	1.32
IRON (µg/dL)	88.4	88.8	101	284	271	95.4	1.74	1.03
GGT (U/L)	27.0	27.8	103	83.0	80.4	96.9	1.55	2.05
Lipase (U/L)	42.1	43.8	104	80.9	78.5	97.0	2.99	2.49
TP (g/dL)	5.32	5.29	99.5	6.39	6.39	100	1.79	1.83
TRIG (mg/dL)	116	112	96.3	172	160	93.3	1.82	2.10
UREA (mg/dL)	40.1	40.9	102	152	150	99.1	2.29	2.06

n = 20; Preliminary data; *TruLab N = Normal Control; **TruLab P = Pathological control

Laboratories that perform up to 800 analyses per day can noticeably improve their performance – immediately. The fully automatic Proline R-910 system makes routine operations more efficient while simplifying work flows. Versatile, robust, compact – an instrument whose superior performance exceeds even the highest expectations.



HIGH QUALITY FOR LOW MAINTENANCE

The Proline R-910 is designed to be low-maintenance by reducing the number of moving parts to a minimum, while providing maximum efficiency and value. This is why the Proline R-910 does not include a refrigeration unit: our liquid-stable reagents provide superb on-board stability, so that cooling is optional. On the other hand, the rotor may simply be removed. So the reagents can be stored in the refrigerator when they are not being used.

Self-explanatory calibration curve



SUPERIOR PERFORMANCE FOR QUALITY RESULTS

Highly secure results, outstanding user-friendliness, easy-to-learn operation – these are important characteristics of Proline R-910. Its performance and quality were compared with those of large laboratory analyzers. The result: with its high level of result security and precision, Proline R-910 is the ideal solution for small to mid-sized laboratories. And in big laboratories, it is the perfect analyzer for specialized tests or backup instrument.



INTELLIGENT FEATURES FOR MAXIMUM EFFICIENCY

Components of Proline R-910 were designed with a view to the perfect integration. Features like clot detection and crash sensor are major advantages in a system that is also easy to use, guarantees consistently high result security. And if you need to do emergency tests, such samples can be introduced effortlessly into the test run through the STAT drawer.

Reagent kit for Proline R-910

Parameter	Catalogue No.	Test Per Kit	R1	R2
ALAT (GPT) FS (IFCC mod.)	12701 99 10 921	4 x 200	4 x 21 mL	4 x 6 mL
ALAT (GPT) FS (IFCC mod.)	12701 99 10 920	4 x 120	4 x 34 mL	4 x 10 mL
Albumin FS	10220 99 10 923	4 x 200	4 x 38 mL	
Alkaline Phosphatase FS IFCC 37 °C	10441 99 10 921	4 x 200	4 x 21 mL	4 x 6 mL
Alkaline Phosphatase FS IFCC 37 °C	10441 99 10 920	4 x 120	4 x 34 mL	4 x 10 mL
ASAT (GOT) FS (IFCC mod.)	12601 99 10 920	4 x 200	4 x 34 mL	4 x 10 mL
ASAT (GOT) FS (IFCC mod.)	12601 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
Bilirubin Auto Direct FS	10821 99 10 921	4 x 120	4 x 23 mL	4 x 7 mL
Bilirubin Auto Direct FS	10821 99 10 920	4 x 200	4 x 38 mL	4 x 11 mL
Bilirubin Auto Total FS	10811 99 10 921	4 x 120	4 x 23 mL	4 x 7 mL
Bilirubin Auto Total FS	10811 99 10 920	4 x 200	4 x 38 mL	4 x 11 mL
Calcium P FS	11181 99 10 920	4 x 200	4 x 38 mL	4 x 11 mL
Cholesterol FS 10'	11300 99 10 923	4 x 200	4 x 43 mL	
Cholinesterase FS	11401 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
CK-MB FS	11641 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
Creatinine FS	11711 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
Creatinine FS	11711 99 10 920	4 x 200	4 x 38 mL	4 x 11 mL
Creatinine PAP FS	11759 99 10 921	4 x 120	4 x 21 mL	4 x 11 mL
Creatinine PAP FS	11759 99 10 920	4 x 180	4 x 34 mL	4 x 19 mL
CRP FS	17002 99 10 920	4 x 200	4 x 36 mL	4 x 8 mL
CRP U-hs FS	17045 99 10 920	4 x 65	4 x 11 mL	4 x 11 mL
CRP U-hs FS	17045 99 10 921	4 x 45	4 x 8 mL	4 x 8 mL
Cystatin C FS	17158 99 10 921	4 x 100	4 x 20 mL	4 x 8 mL
Gamma-GT FS (Szasz mod./IFCC stand.)	12801 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
Gamma-GT FS (Szasz mod./IFCC stand.)	12801 99 10 920	4 x 200	4 x 34 mL	4 x 10 mL
Glucose GOD FS	12500 99 10 923	4 x 200	4 x 43 mL	
Glucose Hexokinase FS	12511 99 10 920	4 x 200	4 x 38 mL	4 x 11 mL
HbA1c net FS	13348 99 10 921	4 x 100	4 x 15 mL	4 x 5 mL
HbA1c net FS	13348 99 10 920	4 x 200	4 x 30 mL	4 x 10 mL
HbA1c net Hemolyzing Solution	14590 99 10 923	4 x 200	4 x 40 mL	
HDL-C Immuno FS	13521 99 10 920	4 x 200	4 x 38 mL	4 x 11 mL
HDL-C Immuno FS	13521 99 10 921	4 x 120	4 x 23 mL	4 x 7 mL
Iron FS Ferene	11911 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
LDH FS IFCC	14211 99 10 920	4 x 200	4 x 32 mL	4 x 8 mL
LDL-C Select FS	14121 99 10 921	4 x 120	4 x 23 mL	4 x 7 mL
Magnesium XL FS	14610 99 10 923	4 x 120	4 x 23 mL	
Pancreatic Amylase CC FS	10551 99 10 921	4 x 120	4 x 20 mL	4 x 5 mL
Phosphate FS	15211 99 10 920	4 x 200	4 x 34 mL	4 x 10 mL
Total Protein FS	12311 99 10 921	4 x 200	4 x 23 mL	4 x 7 mL
Total Protein FS	12311 99 10 920	4 x 120	4 x 38 mL	4 x 11 mL
Triglycerides FS 10' version	15710 99 10 923	4 x 200	4 x 43 mL	
UIBC FS	11921 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
Urea FS	13101 99 10 921	4 x 120	4 x 21 mL	4 x 6 mL
Urea FS	13101 99 10 920	4 x 200	4 x 34 mL	4 x 10 mL
Uric Acid FS TBHBA	13021 99 10 920	4 x 200	4 x 38 mL	4 x 11 mL
Uric Acid FS TOOS	13001 99 10 920	4 x 200	4 x 36 mL	4 x 9 mL
Cleaner A	18610 99 10 923		4 x 60 mL	
Cleaner B	18650 99 10 923		4 x 60 mL	

- ⚡ Liquid-stable up to the expiry date, even after opening
- ⚡ Ready to use, no reconstitution errors, directly available for STAT analysis
- ⚡ Typical stability 12-24 months
- ⚡ Mono-reagent or mainly 4+1 format



Features of Proline R-910



BARCODE READER

Minimize human error by
Identifying reagent and samples



SMART PROBE

With Clot Detection
and Crash Sensor



STAT DRAWER

for emergency tests



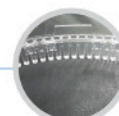
REAGENT/SAMPLE TRAY

30 different tests and up to
30 samples in one run



LIQUID STABLE REAGENTS

With extremely high
on-board stability



CUVETTE SECTOR

with throughput
100-150 tests
per hour



WATERTANK

Low water consumption
<1 liter per hour

TECHNICAL SPECIFICATION

System type	Bench top clinical chemistry analyzer
Throughput	up to 150 tests per hour
Combined reagent/sample tray	30 reagent positions plus 30 sample positions; easily removable tray for storage in refrigerator
Sample types	Serum, plasma, whole blood, CSF, urine
Sample volume	2 – 3 µL
Reagent pipetting volume	Reagent 1: 120 – 250 µL Reagent 2: 10 – 130 µL
Sensors	Liquid-level sensor, clot sensor and crash sensor
STAT-analytics	Two sample positions for loading of emergency samples at any time
Ion measurement	Photometric test for Na, K, Cl
Barcode identification	Automated barcode reader for reagents and samples
Measuring principle	Colorimetry (rate/End Point); Immunoturbidimetric Assay
Calibration	Linear, non-linear, multi-point
Sample tubes/cups	Primary tubes of 5, 7, and 10 mL and sample cups (1.5 and 2.5 mL)
Reagent on board capacity	30 different methods in bar coded mono or twin-containers for adapter-free one-grip loading
Reaction temperature	37 ± 0.2 °C
Reaction unit	Temperature-controlled heated rotor with 105 disposable plastic cuvettes (37 ± 0.2 °C); maintenance-free heater elements
Photometry	12 wavelengths: 340, 380, 405, 450, 480, 508, 546, 570, 600, 660, 700 and 800 nm (mono and bichromatic)
Photometric linearity and resolution	Linearity: 0 – 3.0 OD; Resolution: 0.0001 OD
Water consumption	<1 liter per hour
System interface	Analyzer to PC: USB 2.0 connectivity bi-directional; PC: Pentium IV or higher
LIS connectivity	Yes
Remote control	Yes
Power source	AC 110/220 V, 60/50 Hz; 300 VA excluding PC/printer/monitor
Dimensions	60 cm (W) x 67 cm (D) x 60 cm (H)
Weight	Approximately 60 kg

These specifications are subject to change without notice

Supported by:

PT PRODIA DIAGNOSTIC LINE

Kawasan Industri Jababeka III
Jl. Tekno I Blok C2 D-E-F, Cikarang 17530 - INDONESIA
P. +62 21 8984 2722 F. +62 21 8984 2723
www.proline.co.id - marketing@proline.co.id

