Hematology, Urine and Chemistry Analyzers
Point-of-care Testing | Reagents | Other Products
Veterinary Products | Medical Electronic Products
BUSINESS PRESENTATION

Paramedical Srl is an italian company founded in 1996. Paramedical produces and distributes in vitro diagnostic devices and scientific equipments. It is the exclusive owner of PKL brand for IVD and PPC brand for scientific instruments (Full and Semi-Automated Systems for Clinical Chemistry, Immunoassay, Urine, Coagulation, Centrifuges and others). The company is ISO 9001:2015, ISO 13485:2016 certified.

Paramedical is compliant with the European Directive (98/79/CE). The company offers the possibility to buy clinical chemistry reagents in bulk and/or in OEM according to specific customer needs. What you want we can supply.

The production of clinical chemistry can be supplied in dedicated bottles specific for the most analyzers available on the market. Paramedical also has a division for educational products (school, university and so on) and for the production of laboratory furniture as lab benches.
HEMATOLOGY ANALYZERS

PKL PPC 1100H
5-Diff Hematology Analyzer

- 28 parameters including RET%, RET#, IRF
- Up to 110T/H
- Automatic sampling with a capacity of 120 samples
- Laser light multi-dimensional cell classification & flow cytometry technology
- Double mode for WBC counting (Impedance Count and Optical Count)
- High stability, long using life He-Ne Lasers
- Ceramic sample rotatory valve (SRV) quantified system with high accuracy and efficiency
- 3D Image Analysis
- WBC 5-diff with sheath reagent only
- Whole computer data station and display
- Large storage capacity: 200,000 samples
- Support LIS and HIS with HLT protocol
- Internal barcode reader
PKL PPC 1200H
5-Diff Hematology Analyzer

- 28 parameters including RET%, RET#, IRF
- Laser light multi-dimensional cell classification
- Double mode for WBC counting (Impedance Count and Optical Count)
- Resistant RBC mode
- Up to 60T/H
- Internal barcode reader

PKL PPC 1040H
5-Diff Hematology Analyzer

- 28 parameters including RET%, RET#, IRF
- Up to 60T/H
- Laser light multi-dimensional cell classification & flow cytometry technology
- Double mode for WBC counting
- Resistant RBC mode
- WBC 5-diff with sheath reagent only
- Support both whole blood and capillary blood samples with 20ul volume
PKL PPC 1150H
5-Diff Hematology Analyzer

- 28 parameters
- Laser light multi-dimensional cell classification
- Double mode for WBC counting (Impedance Count and Optical Count)
- Resistant RBC mode
- Up to 60T/H
- WBC 5 part diff with sheath reagent only
- Touch screen
PKL PPC 610H
3-Diff Automatic Hematology Analyzer

- 60T/H, 21 parameters and 3 histograms
- 10,4 inch color LCD display & Linux operation system
- More than 200,000 data storage capacity
- Excellent data management
- Support USB data backup & system, less maintenance
- Support LIS and HIS with HI7 protocol
- Touch screen optional
OUR FULLY AUTOMATIC URINALYSIS SYSTEM

With more than 20 years experience in urinalysis product development; Fully automatic urinalysis system consists of PKL PPC 330, PKL PPC 360 connecting bridge, work station; Proficiency and efficiency in urinalysis in the most convenient way; Adopting the most advanced image capture and multi-core parallel processing technique.

URINE ANALYZERS PKL PPC 330+360

PKL PPC 330
Automatic Urine Analyzer

- Up to 300T/H
- Up to 14 parameters including Cr, MA, Ca, VitC
- 8 inch color display with touch screen
- Integrated barcode reader for sample
- More than 100,000 data memory capacity
- Accurate sample quantitative drop system
- Stable strip reaction time control
- COM and LAN port for LIS and HIS communication
PKL PPC 360
Automatic Urine Sediment Analyzer

- Up to 300 T/H
- Up to 14 parameters including Cr, MA, Ca, VitC
- 8 inch color display with touch screen
- Integrated barcode reader for sample
- More than 100,000 data memory capacity
- Accurate sample quantitative drop system
- Stable strip reaction time control
- COM and LAN port for LIS and HIS communication

Urine System Fully Automatic
PKL PPC 330 + PKL PPC 360
PKL PPC 380
Automatic Urine Sediment Analyzer

- Automatic recognition of digital images
- auto-particle recognition: R BC, WBC, SQEP (squamous epithelial cells), NSE (non-squamous epithelial cells), HYA (cast), UNCC, CAOX (calcium oxalate crystal), BACT (bacteria), yeast, and etc.
- RBC phase detection
- Receive PKL PPC series urine dry chemistry analyzer’s test data
- Throughput: more than 50 samples/hour
- Sample: native urine samples or urine sediment samples
- Interfaces: RS-232 SERIAL PORT, USB, TCP / IP Ethernet

PKL PPC 160
Urine Analyzer

- Touch screen / Keypad
- FDA approved
- Excellent throughput, up to 500T/H
- Up to 14 parameters including Cr, MA, Ca, VitC
- High automation, continuous urine strip loading
- Easy maintenance design for daily cleaning
- Barcode reader optional
- URIN-10K, URIN-11K and URIN-14K control available
PKL PPC 105
*Urine Analyzer*

- Up to 120T/H and 11 parameters available
- User-friendly operation
- Friendly operation with large LCD screen
- Barcode reader optional
- URIN-10K & URIN-11K and URIN-14K control available

PKL PPC 100
*Urine Analyzer*

- Up to 120T/H and 11 parameters available
- FDA approved
- Portable
- Barcode reader optional
- URIN-10K, URIN-11K and URIN-14K control available
PKL PPC 110
*Chemistry Analyzer*
- High-quality filter & close optical system
- Easy keypad operation
- Easy keypad operation
- Long-life halogen lamp
- Easy maintenance

PKL PPC 115
*Chemistry Analyzer*
- Friendly operation with 7 inch colourful touch screen
- Sophisticated Software, large memory capacity
- High-quality filters & close optical system
- Convenient maintenance design
- 8 incubation positions
PKL PPC 125
Automatic Chemistry Analyzer

- Carry-on baggage size
- End point $\text{cv} \leq 0.5\%$; Kinetic $\text{cv} \leq 1\%$; two points $\text{cv} \leq 1.5\%$
- Lower failure rate; easy maintenance
- 9 Wavelengths
- Barcode reader (optional)
- Water cycle cooling
- Auto warm water washing
- Immunology items
- Powerful software
- Support lis interface
- 200 tests/hour

PKL PPC 200
Automatic Chemistry Analyzer

- Random Access, constant 200 tests/hour
- 24 hour non-stop cooling system to ensure reagent at 2-8°C
- Durable ceramic syringes to ensure accuracy & precision
- High accurate optical system
- Collision protection in both vertical and horizontal directions, stop & alarm automatically once touching barrier, not affect former tests
- Automatic eligible cuvettes detection & selection
- Select best test point by reaction curve, create new factor automatically
- Support LIS interface
PKL PPC 300N
Automatic Chemistry Analyzer

- Random Access, constant 330T/H
- 90 reaction positions, 59 reagent positions, 71 sample positions, including detergent position, standard positions, QC positions, STAT positions
- High-accuracy grating optical system
- Durable ceramic syringes, 3 unattached probes, 2 high-performance mixers
- 24 hours non-stop water cycle cooling system to keep the reagent at 2-8°C
- Metal solid heating for the 37°C incubation
- Support LIS interface

PKL PPC 400N
Automatic Chemistry Analyzer

- A - Random Access, Constant speed 420 tests/hour, 600 tests/hour with ISE (optional)
- Dual-unattached durable ceramic syringes
- Unattached probe, high-performance mixer
- Water cycle refrigeration system
- 4 hour non-stop water cycle cooling system to ensure reagents at 2-8°C
- Collision protection in both vertical and horizontal directions, stop & alarm automatically once touching barrier, not affect former tests
- Automatic eligible cuvettes detection & selection
- Select best test point by reaction curve, create new factor automatically
- Support LIS interface
PKL PPC 700
**Automatic Chemistry Analyzer**

- Random Access, constant 640T/H, 1000 T/H with ISE (optional)
- High accuracy grating optical system
- Durable ceramic syringes, 4 unattached probes, 2 high-performance mixers
- 24 hours non-stop water cycle cooling system to keep the reagent at 2-8°C
- Metal solid heating for the 37°C incubation
- Support LIS interface
- Barcode

POINT-OF-CARE TESTING

PKL PPC 90
**Hemoglobin Meter**

- Random Access, constant 640T/H, 1000 T/H with ISE
- High accuracy grating optical system
- Durable ceramic syringes, 4 unattached probes, 2 high-performance mixers
- 24 hours non-stop water cycle cooling system to keep the reagent at 2-8°C
- Metal solid heating for the 37°C incubation
- Support LIS interface
- Barcode optional
PKL PPC 80
*Glucose Meter*

- Strip back slide button
- Easy and fast, high-accuracy
- Glucose dehydrogenase method

PKL PPC 60
*Blood Glucose Meter*

- Fast Blood Glucose test within 5 seconds
- High accuracy, only use 1ul whole blood
- Easy to use, automatic judgement for strips and code card
**ELECTROLYTE PRODUCTS**

**PKL PPC 192PLUS**  
*Electrolyte Analyzer*

- Test 6 parameters with 45 seconds: K, Na, Cl, Ca, pH, only use 100ul sample
- Individual reagent optional, cost-effective
- Friendly operation with touch screen
- Auto-sampling tray (25 positions) available
- Barcode scanner and bluetooth
- Intelligent bubble detection

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**COAGULATION PRODUCTS**

**PKL PPC 120/170**  
*Coagulation Meter*

- 2 channels / 4 channels optional
- 16 samples positions, 4 reagent positions
- High-quality sample pipettor
- Advanced dual-magnetic circuit bead method
- Low reagent consumption
**PKL PPC 175**  
*Fully Automatic Coagulation Analyzer*

- 4 items: PT, APTT, TT, FIB
- Throughput: 140
- 5 Sample positions
- 6 refrigerated reagent positions
- STAT Function
- Support LIS software

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**PKL PPC 175 PLUS**  
*Fully Automatic Coagulation Analyzer*

- 6 items: PT, APTT, TT, FIB, DD, FDP
- Throughput: 160
- 6 Sample position
- 11 refrigerated reagent positions
- STAT Function
- Support LIS software
PKL PPC 140

Microplate Reader

- 8 channels, reading 96-well plate in 5 seconds
- Touch screen, large LCD display
- High accurate optical measuring system
- PC control software optional

PKL PPC 230

Microplate Reader

- TOUCH PANEL/KEYPAD
- Accommodates different Microplate geometries
- Ability to read plate within seconds
- Various Curve fit mode like: Linear, Point to Point will scales such as Log ABS/Conc, Logit ABS/Log Conc, ABS/Conc, Log ABS/Log Conc etc.
- 0.000 to 3.500 Absorbance Units (A)
- 8 Channel
PKL PPC 150
Microplate Washer

- Minimal residual volume (<2µl/well)
- 8-way and 12-way wash heads interchangeable
- Positive displacement pump with low noise
- Overfill washing and overflow protection
- Bottom washing function

PKL PPC 240
Microplate Washer

- Minimal residual volume (<2µl/well)
- 8-Way Manifold autoclavable
- Plate Wash, Strip Wash, Bottom Wash, Overflow Wash, Rinsing, Priming, Disinfect
- 100 open Channels
**PKL PPC 820**
*Specific Protein Analyzer*

- 1,2,4 independent channels to test different items simultaneously
- CRP/hsCRP/HbA1C/mALB/ASO/RF/Cys-C/D-Dimer  
  (up to 28 assays on development)
- RF card design to simplify operation, automatic calibration
- 10,000 data memory capacity
- Automatic mixing and blanking
- Short test time with high efficiency and precision
- Build-in thermal printer
- Support LIS software

**PKL PPC 840**
*Auto ESR Analyzer*

- Large color display, touch screen 40 channels, up to 80 T/H
- Two working method: 30 mins or 60 mins
- Up to 80 samples per hour
- 40 reading channels
- 40 samples at same time
- 4,000 results
- ESR curve display and print out
- Barcode reader optional
- Can connect LIS
**PKL PPC 80800 A/B/C/AQ/BQ/CQ**

*Blood Gas Analyzer*

- 6 different models
- Arterial blood samples, Venous blood samples, Mixed venous blood samples, Capillary blood samples
- Items: pO2, pCO2, Potassium(K⁺), Sodium(Na⁺), chloride(Cl⁻), Ionized Ca(Ca++), pH and Hct and Auto QC module.
ELPHO
Automatic Electrophoresis System on Acetate Cellulose

- Analysis type: serumprotein, hemoglobin
- 1 to 16 samples micro
- 16 samples version: in 60 min; the first 8 samples in 40 min
- 8 independent channels
- Chambers can be both extractable in order to be filled.
- Emptied and washed; or fixed with a total fluidic automation
- Computer inside, USB, LAN. Remote connection.

ELPHO AGAROSE
Automatic Electrophoresis System on Agarose Gel

- Serumproteins, Hemoglobins, Urine Proteins
- 1 to 26 samples: 2 lines of 13 samples (total 26 samples holes); 26 samples in 45 min
- 13 ultrabright led
- Load, recover and discharge all reagent with fluidic full Automatic
- Temperature Migration controller with Peltier and transistor for essication of gel
- In the internal small basins with time infrared probes;
- in the external tanks with immersion probes.
- Windows 10 or Windows 7
- PC & Keyboard; mouse. (external PC)
- Dedicate Software with methodic changeable management
REAGENTS

PKL

Hematology Reagents & Controls
Chemistry Reagents
Urine Reagents Strips
Urine Series Controls
Electrolyte Reagents

Rapid Tests
Electrophoresis Reagents
Coagulation Reagents
Bacteriology Reagents
Stains of Hematology
Serology Reagents
PKL PPC 1200H VET
5-Diff Hematology Analyzer

- 28 parameters including RET%, RET#, IRF
- Laser light multi-dimensional cell classification
- Double mode for WBC counting (Impedance Count and Optical Count)
- Resistant RBC mode
- Up to 60T/H
- Internal barcode reader

PKL PCC 1040H VET
5-Diff Hematology Analyzer

- 28 parameters including RET%, RET#, IRF
- 60T7H
- Laser light multi-dimensional cell classification
- Resistant RBC mode
- Support both whole blood and capillary blood samples
- Only three reagents for 25 parameters
PKL PCC 1050H VET

5-Diff Hematology Analyzer

- 28 parameters including RET%, RET#, IRF
- 60T7H
- Laser light multi-dimensional cell classification
- Resistant RBC mode
- Support both whole blood and capillary blood samples
- Only three reagents for 25 parameters

PKL PCC 610H VET

3-Diff Hematology Analyzers

- 16 pre-determined mode settings
- 60T/H, 21 parameters and 3 histograms
- 10.4 inch color LCD display & Linux operation system
- Support USB data backup & system upgrade
- Support LIS and HIS with HL7 protocol
- Touch screen optional
ELPHO VET
*Automatic Electrophoresis System on Acetate Cellulose*

- Analysis type: serumprotein, hemoglobin
- 1 to 16 samples micro
- 16 samples version: in 60 min; the first 8 samples in 40 min
- 8 independent channels
- Chambers can be both extractable in order to be filled.
- Emptied and washed; or fixed with a total fluidic automation
- Computer inside, USB, LAN. Remote connection.

ELPHO AGAROSE VET
*Automatic Electrophoresis System on Agarose Gel*

- Serumproteins, Hemoglobins, Urine Proteins
- 1 to 26 samples: 2 lines of 13 samples (total 26 samples holes); 26 samples in 45 min
- 13 ultrabright led
- Load, recover and discharge all reagent with fluidic full Automatic
- Temperature Migration controller with Peltier and transistor for escivation of gel
- In the internal small basins with time infrared probes;
- in the external tanks with immersion probes.
- Windows 10 or Windows 7
- PC & Keyboard ; mouse. (external PC)
- Dedicate Software with methodic changeable management
PKL PPC 100 VET
_Urine Analyzer_

- Up to 120T/H and
  14 parameters available
- FDA approved
- Portable
- Barcode reader optional
- Urin-10K, Urin-11K and
  Urin-14K control available

PKL PPC 110VET
_Chemistry Analyzers_

- Easy visual reading
- Much higher reliability with
  Ascorbic Acid parameter

PKL PCC 115VET
_Chemistry Analyzer_

- Friendly operation with 7 inch colourful touch screen
- Sophisticated Software, large memory capacity
- High-quality filters & close optical system
- Convenient maintenance design
PKL PPC 125VET
Automatic Chemistry Analyzer

- Carry-on baggage size
- End point cv≤0.5%; Kinetic cv ≤1%; two points cv ≤1.5%
- Lower failure rate; easy maintenance
- 9 Wavelengths
- Barcode reader (optional)
- Water cycle cooling
- Auto warm water washing
- Immunology items
- Powerful software
- Support lis interface
- 200 tests/hour

PKL PPC 200 VET
Automatic Chemistry Analyzer

- Random Access, constant 200 tests/hour
- 24 hour non-stop cooling system to ensure reagent at 2-8°C
- Durable ceramic syringes to ensure accuracy & precision
- High accurate optical system
- Collision protection in both vertical and horizontal directions, stop & alarm automatically once touching barrier, not affect former tests
- Automatic eligible cuvettes detection & selection
- Select best test point by reaction curve, create new factor automatically
- Support LIS interface
PKL PCC 9000 VET
*Integrated Diagnostic System*

- General clinic information technology solution
- Wide angle detection
- Detachable disinfection
- Combination design
- Support bluetooth
PKL PCC 9000
*Integrated Diagnostic System (wall-mounted)*

Blood Pressure, SpO2, Temp, Pulse, Otoscope, Ophthalmoscope, Hammer, Nasal examination, Visual test, Color-blind test

- General clinic information technology solution
- Wide angle detection
- Detachable disinfection
- Combination design
- Support bluetooth
OTHER PRODUCTS:

BACTERIOLOGY
CLINICAL CHEMISTRY REAGENTS
CONTROLS
COAGULATION
ELECTROPHORESIS
HEMATOLOGY COLORANTS
IMMUNOFLUORESCENCE
IMMUNOENZYMATIC
PHOTOMETRIC FOOD ANALYSIS
PLASTIC VACUUM TUBES
RADIAL IMMUNODIFFUSION
RAPID TESTS ON CARDS FOR
HUMAN AND VETERINARY USE
SEROLOGY
WATER ANALYSIS
ANALYTICAL AND TECHNICAL BALANCES

CHEMICAL REAGENTS
FOR LABORATORY USE
CONDUCTIMETER
LABORATORY GLASSWARE
MICROPIPETTES
PCR CABINETS
PH METERS
PLASTIC DISPENSABLES
PLATES WITH
ELECTROMAGNETIC
STIRRING
REFRACTOMETERS
SPECTROPHOTOMETERS
STIRRERS
THERMOSTATS
AND OTHERS

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