

**promea**<sup>®</sup>



# Prochem PA-500

5-Part Hematology Analyzer



9001 : 2015 15197 : 2015 13485:2016

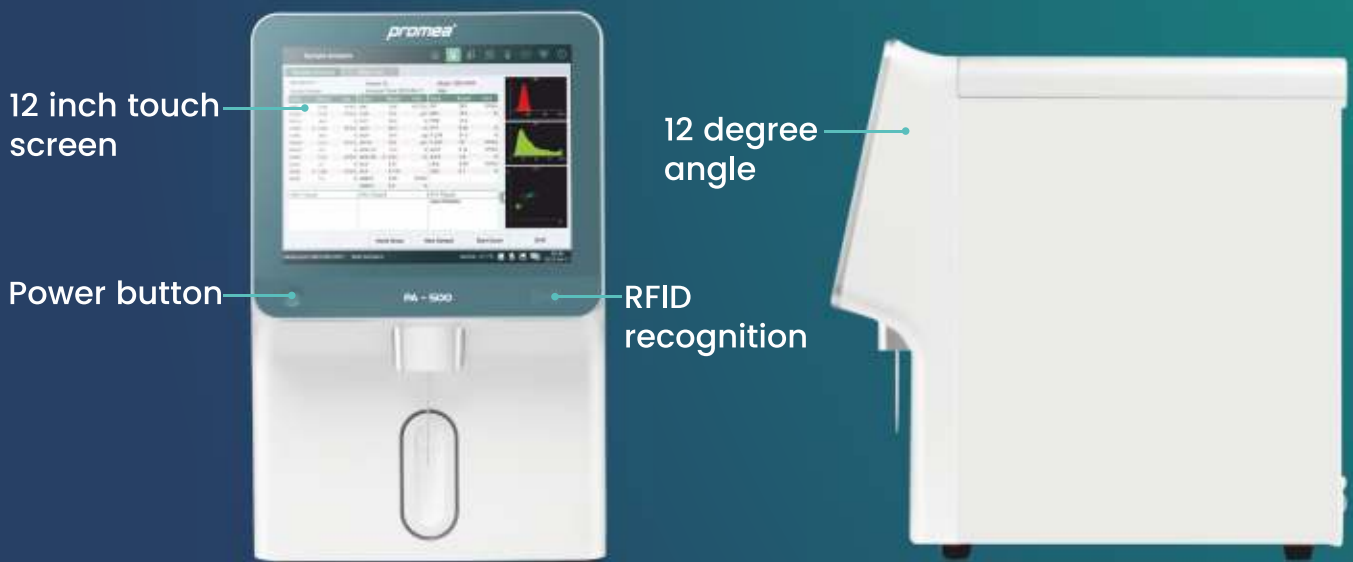
# ELEGANT DESIGN AS USUAL

At ProChem PA-500, we are a new player in the IVD field, while we are well known around the world for the excellence of our medical products. We are a successor in hematology, whereas we are not a follower. We are, as USUAL, to provide professional service and trustable performance to reshape your experience.

We are on a journey to understand your needs, solve your challenges and provide a better solution. Our fundamental goal is to make sure our products truly meet your needs without generating an extra burden. And this is about design.

A good design includes everything, which influences the entire user experience. Our answer is Elegant Design as USUAL.

Within our Elegant Design concept, we are emphasizing five tenets to enhance your experience.



## USER

Design with user-oriented

## SPACE

Design to suit your surroundings

## OUTLINE

Design to simplify your operation

## SERIAL

Different model tailored to your needs

## LIFESPAN

Design for long product life

# ProChem PA-500 SERIES

## BRIGHTEN YOUR HEMATOLOGY

## LIGHTEN YOUR WORK

People who work in the laboratory deserve great respect and attention. It's a challenging job with a high workload and fast response. Every day, with patients and physicians counting on you, you have no space for error and hardly have time to breathe, so you have to be focused at all times. Having the right instrument is the ultimate solution.

We invent the requirements and explore the pain points to develop a new concept in hematology. The hematology approach has been in the market for decades, but many challenges haven't been tackled. Adapted to the fundamental but significant appeal points, the ProChem PA-500 series can well suit your needs.

The ProChem PA-500 series are positioned in low to moderate volume laboratories, committed to lightening your work with an enjoyable experience. Equipped with an integrated, intuitive operation system, it brings a reliable system with clinical values and effective cost control. The ProChem PA-500 series is tailored to you.

### FREE YOU WITH MAXIMUM UPTIME

## DETAILS THAT LIGHTEN YOUR WORK



12-inch  
colorful touch screen



Reagent management via RFID card  
secure your reagent business



16 microliter of  
sample aspiration

# Technical Specifications

Performance	Specification & Features															
Parameters	<p>WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC.</p> <p>8 research parameters include LIC%, LIC#, ALY%, ALY#, NRBC%, NRBC#, NLR,PLR</p> <p>3 histograms for WBC, RBC and PLT</p> <p>1 scattergrams(3D) for DIFF</p> <p>4 scattergrams(2D) for DIFF and BASO</p>															
Principles	<ul style="list-style-type: none"> <li>• Tri-angle laser flow cytometry analysis for WBC, DIFF and BASO counting</li> <li>• Electrical impedance method for RBC, PLT counting</li> <li>• Cyanide-free reagent for HGB with colorimetric method</li> </ul>															
Sample Volume	Whole blood 16 µL, Capillary 16 µL, Pre-diluted 20 µL															
Reagent	Hd500 20L Diluent, HL500 Lyse 500mL/1L, Hc310 Cleaner 50mL															
Performance	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Linearity Range</th> <th>Precision (CV %)</th> </tr> </thead> <tbody> <tr> <td>WBC(<math>10^9/L</math>)</td> <td>0.0-500</td> <td>≤3.0% (3.50-7.00) ≤2.5% (7.01-15.00)</td> </tr> <tr> <td>RBC(<math>10^{12}/L</math>)</td> <td>0.0-8.5</td> <td>≤1.5% (3.5-6.5)</td> </tr> <tr> <td>HGB(g/L)</td> <td>0-250</td> <td>≤1.5% (100-180)</td> </tr> <tr> <td>PLT(<math>10^9/L</math>)</td> <td>0-4000</td> <td>≤5.0% (100-500) ≤1.0% (70-120)</td> </tr> </tbody> </table>	Parameter	Linearity Range	Precision (CV %)	WBC( $10^9/L$ )	0.0-500	≤3.0% (3.50-7.00) ≤2.5% (7.01-15.00)	RBC( $10^{12}/L$ )	0.0-8.5	≤1.5% (3.5-6.5)	HGB(g/L)	0-250	≤1.5% (100-180)	PLT( $10^9/L$ )	0-4000	≤5.0% (100-500) ≤1.0% (70-120)
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Control and Calibrator	PA-50D, PA-CAL PLUS															
Throughput	60 samples per hour															
Data Storage Capacity	100,000 results including results and histograms 60 QC files (100 data per file)															
Interface	12 inch colorful touch screen															
Operating Environment	<p>Temperature : 15°C-32°C</p> <p>Humidity : 30% RH-85% RH:</p> <p>Air pressure : 70 kPa-106 kPa</p>															
Dimension and Weight	501(D)x320(W)x502.5(H), Weight: 29.3kg															

## HEAD OFFICE

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