

# Infitek

## Chemistry Analyzer

Fully Automatic  
Semi-Auto  
Veterinary



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## Infitek

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# Chemistry Analyzer Fully Automatic

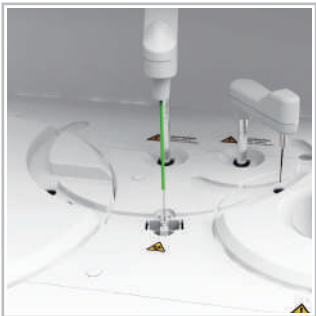
BA-A-120



- ◆ Constant 120 test / hour with double reagent
- ◆ 80 reagent positions
- ◆ Automatic liquid level sensing, anti-collision protection
- ◆ Integrated full closed optical system, multi wavelength simultaneous detection
- ◆ New amorphous optical plastics reaction cups, perfect transmittance
- ◆ Maintenance free semiconductor solid state refrigeration
- ◆ Friendly surface and easy to operation

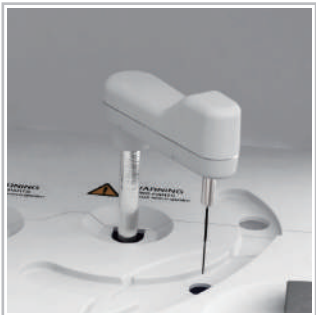
## Multifunctional precision sampling probe

- ◆ External & internal mirror polish, external & internal probe washing
- ◆ Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- ◆ Collision protection, automatic probe depth adjusting



## Excellent mixer design

- ◆ Teflon coating mixer. No water dropping (reducing carry-over)
- ◆ Excellent mixing effect with standard mixing procedure



## High precision ceramic syringe

- ◆ Permanent ceramic piston
- ◆ Accurate dispensing as low as 0.1 μl



## Reagent & sample tray

- ◆ 80 reagent positions (40 for R1, 40 for R2)
- ◆ 40 sample positions, micro cup & test tube can be used
- ◆ Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- ◆ Bar code reader(optional)



## Reaction tray

- ◆ 50 disposable cuvettes
- ◆ Reaction volume as low as 150 μl
- ◆ Stable & accurate temperature(37±0.1 °C) for reaction



## Advanced operating system

- ◆ User friendly software interface simple, easy-to-operation
- ◆ Sample automatic dilution(decrease, increase, normal)
- ◆ Reaction result automatic checking and warning, calibration result automatic checking, warning alarm log
- ◆ Linear & nonlinear calibration,Multi-points calibration up to 8 points
- ◆ Quality control apply to westgard, L-T plot, cumulative



Technical specifications

| General Information |                                                          |
|---------------------|----------------------------------------------------------|
| Machine type        | Random access, open reagent & locked reagent (optional)  |
| Test speed          | Constant 120 tests/hour (Mono reagent or double reagent) |
| Test principle      | Colorimetric, turbidimetry                               |
| Test method         | 1 point end, 2 point end, Fixed-Time, Kinetics           |
| Calibration type    | Linear & nonlinear                                       |

| Sample Unit    |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| Sample tray    | 40 sample positions                                                                  |
| Sample tube    | Micro cup & test tube & blood collection tube can be used.(φ 12 -13 )mm *(25-100 )mm |
| Sample volume  | 2-30 l step by 0.1 l                                                                 |
| Sample probe   | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance  |
| Probe cleaning | Automatic washing for both interior and exterior, carry-over < 0.05%                 |
| Sample barcode | Sample barcode reader (optional)                                                     |

| Reagent Unit    |                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reagent tray    | 80 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2℃-14℃, open system, could accept any reagent. |
| Reagent volume  | 20-300 l, step by 1 l                                                                                                                                  |
| Reagent needle  | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance.                                                                   |
| Probe cleaning  | Automatic washing for both interior and exterior ,carry-over < 0.05%                                                                                   |
| Reagent barcode | Reagent barcode reader (optional)                                                                                                                      |

| Reaction Unit   |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| Reaction tray   | 50 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance. |
| Reaction volume | 150 l-330 l                                                                                |
| Reaction time   | 10 minutes                                                                                 |
| Temperature     | Peltier pad incubation system, reaction temperature (37℃ ±0.1℃)                            |

| Mixing System |                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------|
| Mixer         | Paddle-type mixing,surface teflon treatment, wash before and after mixing ,effective reducing of carry-over |

| Optical System   |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Light source     | Halogen lamp                                                          |
| Wavelength       | 340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm;700nm(4 more options) |
| Absorbance range | 0-4.0 Abs                                                             |
| Resolution       | 0.0001 Abs                                                            |

| Operating System |                                              |
|------------------|----------------------------------------------|
| Operation system | Windows XP, Windows 7, Windows 8, Windows 10 |
| Report printing  | 6 formats optional, support custom pattern   |
| Interface        | TCP/IP network interface                     |

| Working Conditions |                              |
|--------------------|------------------------------|
| Electricity        | AC 110/220V ± 10%, 50/60 Hz, |
| Water consumption  | 2.5L/hour (maximum)          |
| Dimension(L*W*H)   | 750mm * 550mm * 475mm        |
| Net weight         | 45.4kg                       |
| Language           | All languages customizable   |

# Chemistry Analyzer Fully Automatic

BA-A-160



- ◆ Constant 150 test / hour with double reagent
- ◆ 80 reagent positions
- ◆ Automatic liquid level sensing, anti-collision protection.
- ◆ Integrated full closed optical system, multi wavelength simultaneous detection.
- ◆ New amorphous optical plastics reaction cups, perfect transmittance.
- ◆ Maintenance free semiconductor solid state refrigeration
- ◆ Friendly surface and easy to operation

## Multifunctional precision sampling probe

- ◆ External & internal mirror polish, external & internal probe washing
- ◆ Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- ◆ Collision protection, automatic probe depth adjusting



## Excellent mixer design

- ◆ Teflon coating mixer. No water dropping (reducing carry-over)
- ◆ Excellent mixing effect with standard mixing procedure



## High precision ceramic syringe

- ◆ Permanent ceramic piston
- ◆ Accurate dispensing as low as 0.1  $\mu$ l



## Reagent & sample tray

- ◆ 80 reagent positions (40 for R1, 40 for R2)
- ◆ 40 sample positions, micro cup & test tube can be used
- ◆ Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- ◆ Bar code reader(optional)



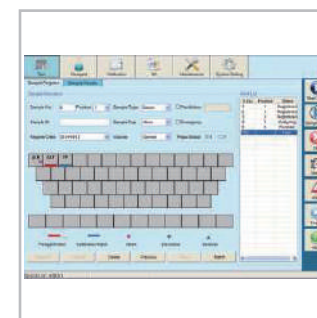
## Reaction tray

- ◆ 44 cuvettes
- ◆ Reaction volume as low as 150  $\mu$ l
- ◆ Stable & accurate temperature(37 $\pm$ 0.1  $^{\circ}$ C) for reaction



## Advanced operating system

User friendly software interface simple, easy-to-operation  
 Sample automatic dilution(decrease, increase, normal)  
 Reaction result automatic checking and warning, calibration result automatic checking, warning alarm log  
 Linear & nonlinear calibration, Multi-points calibration up to 8 points  
 Quality control apply to westgard, L-T plot, cumulative



Technical specifications

| General information |                                                          |
|---------------------|----------------------------------------------------------|
| Machine type        | Random access, open reagent & locked reagent (optional)  |
| Test speed          | Constant 150 tests/hour (Mono reagent or double reagent) |
| Test principle      | Colorimetric method, turbidimetry                        |
| Test method         | 1 point end, 2 point end, Fixed-Time, Kinetics           |
| Calibration type    | Linear & nonlinear                                       |

| Sample unit    |                                                                                                |
|----------------|------------------------------------------------------------------------------------------------|
| Sample tray    | 40 sample positions                                                                            |
| Sample tube    | Micro cup & test tube & blood collection tube can be used.<br>( $\phi$ 12 -13 )mm *(25-100 )mm |
| Sample volume  | 2-30 l step by0.1 l                                                                            |
| Sample probe   | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance            |
| Sample barcode | Sample barcode reader (optional)                                                               |

| Reagent unit   |                                                                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reagent tray   | 80 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C, open system, could accept any reagent. |
| Reagent volume | 20-300 l, step by 1 l                                                                                                                                    |
| Reagent needle | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance.                                                                     |
| Regent barcode | Regent barcode reader (optional)                                                                                                                         |

| Reaction unit   |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| Reaction tray   | 44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance. |
| Reaction volume | 150 l-330 l                                                                                |
| Reaction time   | 10 minutes                                                                                 |
| Temperature     | Peltier pad incubation system, reaction temperature (37°C $\pm$ 0.1 °C)                    |

| Mixing system |                                                      |
|---------------|------------------------------------------------------|
| Mixer         | paddle-type mixing, effective reducing of carry-over |

| Optical system   |                                                                           |
|------------------|---------------------------------------------------------------------------|
| Light source     | Halogen lamp                                                              |
| Wavelength       | 340nm; 405nm; 450nm; 505nm; 546nm; 578nm;<br>630nm;700nm (4 more options) |
| Absorbance range | 0-4.0 Abs                                                                 |
| Resolution       | 0.0001 Abs                                                                |

| Operating system |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation system | Windows XP, Windows 7, Windows 8, Windows 10                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Data processing  | Automatic calibration, test combination, effective time management of reagents, serum index, whole process detection, linear expansion of enzyme, blank deduction,dirty cuvette memory, cross infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference range grading, alarm information classification, user operation privilege classification management. |
| Report printing  | 6 formats optional,<br>surppoort custom pattern                                                                                                                                                                                                                                                                                                                                                                                                                |
| Interface        | TCP/IP network interface                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Working conditions |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Language           | Chinese, English, Russian, French, Spanish, Portuguese.Other language is optional. |
| Power supply       | AC 110/220V $\pm$ 10%, 50/60 Hz, 650W                                              |
| Water consumption  | 6L/hour(maximum)                                                                   |
| Dimension          | 750mm $\times$ 475mm $\times$ 535mm(L $\times$ W $\times$ H)                       |
| Weight             | 80kg                                                                               |

# Chemistry Analyzer Fully Automatic

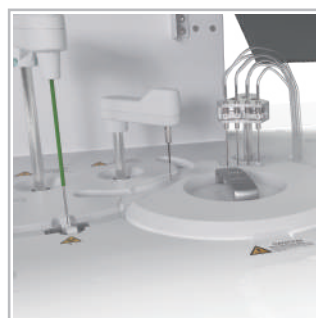
BA-A-220



- ◆ Constant 200 test / hour with double reagent
- ◆ Up to 80 reagent positions
- ◆ Automatic liquid level sensing, anti-collision protection.
- ◆ Integrated full closed optical system, multi wavelength simultaneous detection.
- ◆ New amorphous optical plastics reaction cups, perfect transmittance.
- ◆ Maintenance-free semiconductor solid-state refrigeration.
- ◆ Friendly surface and easy to operation

## Multifunctional precision sampling probe

- ◆ External & internal mirror polish,external & internal probe washing
- ◆ Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals.
- ◆ Anti-collision protection, automatic adjustment of probe depth.



## Excellent mixer design

- ◆ Teflon coating mixer. No water dropping (reducing carry-over)
- ◆ Excellent mixing effect with standard mixing procedure



## High precision ceramic syringe

- ◆ Permanent ceramic piston
- ◆ Accurate dispensing as low as 0.1 l



## Reagent & sample tray

- ◆ 80 reagent positions (40 for R1, 40 for R2)
- ◆ 40 sample positions, micro cup & test tube can be used
- ◆ Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- ◆ Bar code reader(optional)



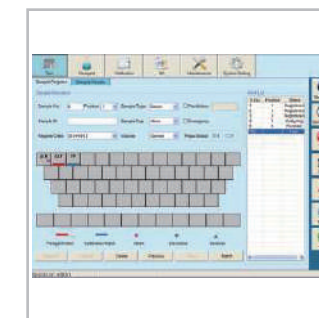
## Reaction tray

- ◆ 44 reaction cuvettes
- ◆ Reaction volume as low as 150 l
- ◆ Stable & accurate temperature (37±0.1°C) for reaction



## Advanced operating system

- ◆ User friendly software interface simple, easy-to-operation
- ◆ Automatic sample dilution(decrease, increase, normal).
- ◆ Automatic reaction result checking and warning, automatic calibration result checking, with warning log.
- ◆ Linear & nonlinear calibration,Multi-points calibration up to 8 points
- ◆ Quality control apply to westgard, L-T plot, cumulative



Technical specifications

| General Information |                                                          |
|---------------------|----------------------------------------------------------|
| Machine type        | Random access, open reagent & locked reagent (optional)  |
| Test speed          | Constant 200 tests/hour (Mono reagent or double reagent) |
| Test principle      | Colorimetric, turbidimetry                               |
| Test method         | 1 point end, 2 point end, Fixed-Time, Kinetics           |
| Calibration type    | Linear & nonlinear                                       |

| Sample Unit    |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| Sample tray    | 40 sample positions                                                                  |
| Sample tube    | Micro cup & test tube & blood collection tube can be used.(φ 12 -13 )mm *(25-100 )mm |
| Sample volume  | 2-30 l step by 0.1 l                                                                 |
| Sample probe   | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance  |
| Probe cleaning | Automatic washing for both interior and exterior, carry-over < 0.05%                 |
| Sample barcode | Sample barcode reader (optional)                                                     |

| Reagent Unit   |                                                                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reagent tray   | 80 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2 ℃ -14 ℃ , open system, could accept any reagent. |
| Reagent volume | 20-300 l, step by 1 l                                                                                                                                      |
| Reagent needle | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance.                                                                       |
| Probe cleaning | Automatic washing for both interior and exterior, carry-over < 0.05%                                                                                       |
| Regent barcode | Regent barcode reader (optional)                                                                                                                           |

| Reaction Unit         |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Reaction tray         | 44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance. |
| Reaction volume       | 150 l-330 l                                                                                |
| Reaction time         | 10 minutes                                                                                 |
| Cuvette washing steps | 4-stage, 2 times automatic washing system                                                  |
| Temperature           | Peltier pad incubation system, reaction temperature (37℃ ±0.1 ℃)                           |

| Mixing System |                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------|
| Mixer         | Paddle-type mixing,surface teflon treatment, wash before and after mixing ,effective reducing of carry-over |

| Optical System   |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Light source     | Halogen lamp                                                          |
| Wavelength       | 340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm;700nm(4 more options) |
| Absorbance range | 0-4.0 Abs                                                             |
| Resolution       | 0.0001 Abs                                                            |

| Operating System |                                              |
|------------------|----------------------------------------------|
| Operation system | Windows XP, Windows 7, Windows 8, Windows 10 |
| Report printing  | 6 formats optional, support custom pattern   |
| Interface        | TCP/IP network interface                     |

| Working Conditions |                             |
|--------------------|-----------------------------|
| Electricity        | AC 110/220V ± 10%, 50/60 Hz |
| Water consumption  | 8L/hour (maximum)           |
| Dimension(L*W*H)   | 780*565*1120mm              |
| Net weight         | 140kg                       |
| Language           | All languages customizable  |

# Chemistry Analyzer Fully Automatic

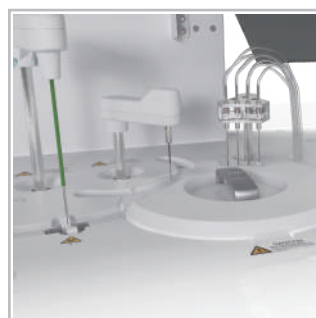
BA-A-280



- ◆ Constant speed 200 tests/hour
- ◆ Independent probe
- ◆ Independent stirrer
- ◆ Reagent tray contains 80 reagent positions
- ◆ Sample tray contains 40 sample positions
- ◆ The reaction tray contains 44 UV Plastic reaction cuvettes
- ◆ 4-stage , 3 times automatic washing system

## Multifunctional precision sampling probe

- ◆ External & internal mirror polish,external & internal probe washing
- ◆ Dedicated sampling probe equipped with sensitive liquid sensor,timely feedback of reagent & sample residuals
- ◆ Collision protection,automatic probe depth adjusting



## Excellent mixer design

- ◆ Teflon coating mixer. No water dropping (reducing carry-over)
- ◆ Excellent mixing effect with standard mixing procedure



## High precision ceramic syringe

- ◆ Permanent ceramic piston
- ◆ Accurate dispensing as low as 0.1 μl



## Reagent & sample tray

- ◆ 80 reagent positions,40 sample positions
- ◆ Non-stop cooling system with peltier pad inside,24 hours 2°C-14°C
- ◆ Bar code reader(optional)



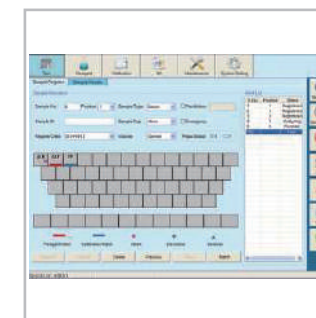
## Reaction tray

- ◆ 44 reaction cuvettes
- ◆ Reaction volume as low as 150μl
- ◆ Stable & accurate temperature ( $37\pm0.1^{\circ}\text{C}$ ) for reaction



## Advanced operating system

- ◆ User friendly software interface simple, easy-to-operation
- ◆ Sample automatic dilution(decrease, increase, normal)
- ◆ Reaction result automatic checking and warning, calibration result automatic checking, warning alarm log
- ◆ Linear & nonlinear calibration,Multi-points calibration up to 8 points
- ◆ Quality control apply to westgard, L-T plot, cumulative



Technical specifications

| General Information |                                                          |
|---------------------|----------------------------------------------------------|
| Machine type        | Random access, open reagent & locked reagent (optional)  |
| Test speed          | Constant 200 tests/hour (Mono reagent or double reagent) |
| Test principle      | Colorimetric, turbidimetry                               |
| Test method         | 1 point end, 2 point end, Fixed-Time, Kinetics           |
| Calibration type    | Linear & nonlinear                                       |

| Sample Unit    |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| Sample tray    | 40 sample positions                                                                  |
| Sample tube    | Micro cup & test tube & blood collection tube can be used.(φ 12 -13 )mm *(25-100 )mm |
| Sample volume  | 2-30 l step by 0.1 l                                                                 |
| Sample probe   | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance  |
| Probe cleaning | Automatic washing for both interior and exterior ,carry-over < 0.05%                 |
| Sample barcode | Sample barcode reader (optional)                                                     |

| Reagent Unit   |                                                                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reagent tray   | 80 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2 ℃ -14 ℃ , open system, could accept any reagent. |
| Reagent volume | 20-300 l, step by 1 l                                                                                                                                      |
| Reagent needle | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance.                                                                       |
| Probe cleaning | Automatic washing for both interior and exterior ,carry-over < 0.05%                                                                                       |
| Regent barcode | Regent barcode reader (optional)                                                                                                                           |

| Reaction Unit         |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Reaction tray         | 44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance. |
| Reaction volume       | 150 l-330 l                                                                                |
| Reaction time         | 10 minutes                                                                                 |
| Cuvette washing steps | 4-stage, 2 times automatic washing system                                                  |
| Temperature           | Peltier pad incubation system, reaction temperature (37℃ ±0.1 ℃)                           |

| Mixing System |                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------|
| Mixer         | Paddle-type mixing,surface teflon treatment, wash before and after mixing ,effective reducing of carry-over |

| Optical System   |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Light source     | Halogen lamp                                                          |
| Wavelength       | 340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm;700nm(4 more options) |
| Absorbance range | 0-4.0 Abs                                                             |
| Resolution       | 0.0001 Abs                                                            |

| Operating System |                                              |
|------------------|----------------------------------------------|
| Operation system | Windows XP, Windows 7, Windows 8, Windows 10 |
| Report printing  | 6 formats optional, support custom pattern   |
| Interface        | TCP/IP network interface                     |

| Working Conditions |                             |
|--------------------|-----------------------------|
| Electricity        | AC 110/220V ± 10%, 50/60 Hz |
| Water consumption  | 8L/hour (maximum)           |
| Dimension(L*W*H)   | 745*540*530 mm              |
| Net weight         | 45.4kg                      |
| Language           | All languages customizable  |

# Chemistry Analyzer Fully Automatic

## BA-A-380



- ◆ Constant 300 test / hour with double reagent
- ◆ Up to 70 reagent positions
- ◆ Automatic liquid level sensing, anti-collision protection.
- ◆ Integrated full closed optical system, multi wavelength simultaneous detection.
- ◆ New amorphous optical plastics reaction cups, perfect transmittance.
- ◆ Maintenance-free semiconductor solid-state refrigeration.
- ◆ Friendly surface and easy to operation

## Multifunctional precision sampling probe

- ◆ External & internal mirror polish, external & internal probe washing
- ◆ Equipped with sensitive liquid sensor, which can provide timely feedback of reagent & sample residuals.
- ◆ Anti-collision protection, automatic adjustment of probe depth.



## Excellent mixer design

- ◆ Teflon coating mixer. No water dropping (reducing carry-over)
- ◆ Excellent mixing effect with standard mixing procedure



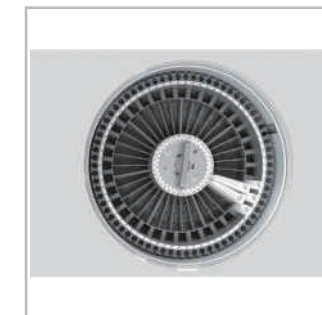
## High precision ceramic syringe

- ◆ Permanent ceramic piston
- ◆ Accurate dispensing as low as 0.1  $\mu$ l



## Reagent & sample tray

- ◆ 70 reagent positions
- ◆ 70 sample positions, micro cup & test tube can be used
- ◆ Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- ◆ Bar code reader(optional)



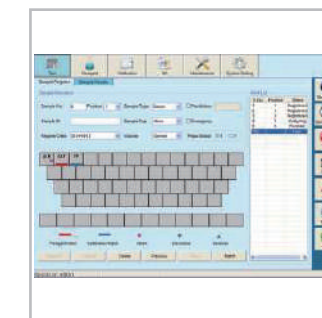
## Reaction tray

- ◆ 90 reaction cuvettes
- ◆ Reaction volume as low as 150  $\mu$ l
- ◆ Stable & accurate temperature ( $37 \pm 0.1^\circ\text{C}$ ) for reaction



## Advanced operating system

- ◆ User friendly software interface simple, easy-to-operation
- ◆ Automatic sample dilution(decrease, increase, normal).
- ◆ Automatic reaction result checking and warning, automatic calibration result checking, with warning log.
- ◆ Linear & nonlinear calibration, Multi-points calibration up to 8 points
- ◆ Quality control apply to westgard, L-T plot, cumulative



Technical specifications

| General Information |                                                          |
|---------------------|----------------------------------------------------------|
| Machine type        | Random access, open reagent & locked reagent (optional)  |
| Test speed          | Constant 300 tests/hour (Mono reagent or double reagent) |
| Test principle      | Colorimetric, turbidimetry                               |
| Test method         | 1 point end, 2 point end, Fixed-Time, Kinetics           |
| Calibration type    | Linear & nonlinear                                       |

| Sample Unit    |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| Sample tray    | 70 sample positions                                                                  |
| Sample tube    | Micro cup & test tube & blood collection tube can be used.(φ 12 ~13 )mm *(25-100 )mm |
| Sample volume  | 2-30 l step by 0.1 l                                                                 |
| Sample probe   | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance  |
| Probe cleaning | Automatic washing for both interior and exterior ,carry-over < 0.05%                 |
| Sample barcode | Sample barcode reader (optional)                                                     |

| Reagent Unit   |                                                                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reagent tray   | 70 reagent positions (35 for R1 & 35 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2℃-14℃, open system, could accept any reagent. |
| Reagent volume | 20-300 l, step by l l                                                                                                                                  |
| Reagent needle | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance.                                                                   |
| Probe cleaning | Automatic washing for both interior and exterior ,carry-over < 0.05%                                                                                   |
| Regent barcode | Regent barcode reader (optional)                                                                                                                       |

| Reaction Unit         |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Reaction tray         | 90 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance. |
| Reaction volume       | 150 l-330 l                                                                                |
| Reaction time         | 10 minutes                                                                                 |
| Cuvette washing steps | 5-stage, 2 times automatic washing system, alkaline cleaning solution                      |
| Temperature           | Peltier pad incubation system, reaction temperature(37℃ ±0.1℃)                             |

| Mixing System |                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------|
| Mixer         | Paddle-type mixing,surface teflon treatment, wash before and after mixing ,effective reducing of carry-over |

| Optical System   |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Light source     | Halogen lamp                                                          |
| Wavelength       | 340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm;700nm(4 more options) |
| Absorbance range | 0-4.0 Abs                                                             |
| Resolution       | 0.0001 Abs                                                            |

| Operating System |                                              |
|------------------|----------------------------------------------|
| Operation system | Windows XP, Windows 7, Windows 8, Windows 10 |
| Report printing  | 6 formats optional, support custom pattern   |
| Interface        | TCP/IP network interface                     |

| Working Conditions |                             |
|--------------------|-----------------------------|
| Electricity        | AC 110/220V ± 10%, 50/60 Hz |
| Water consumption  | 12L/hour (maximum)          |
| Dimension(L*W*H)   | 910*650*1120mm              |
| Net weight         | 127.5kg                     |
| Language           | All languages customizable  |

# Chemistry Analyzer Fully Automatic

BA-A-480



- ◆ Constant 400 test / hour with double reagent
- ◆ Up to 90 reagent positions
- ◆ Automatic liquid level sensing, anti-collision protection.
- ◆ Integrated full closed optical system, multi wavelength simultaneous detection.
- ◆ New amorphous optical plastics reaction cups, perfect transmittance.
- ◆ Maintenance-free semiconductor solid-state refrigeration.
- ◆ Friendly surface and easy to operation

## Multifunctional precision sampling probe

- ◆ External & internal mirror polish,external & internal probe washing
- ◆ Equipped with sensitive liquid sensor, which can provide timely feedback of reagent & sample residuals.
- ◆ Anti-collision protection, automatic adjustment of probe depth.



## Excellent mixer design

- ◆ Teflon coating mixer. No water dropping (reducing carry-over)
- ◆ Excellent mixing effect with standard mixing procedure



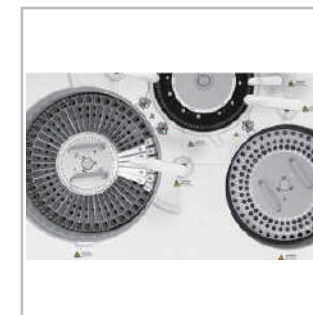
## High precision ceramic syringe

- ◆ Permanent ceramic piston
- ◆ Accurate dispensing as low as 0.1 μl



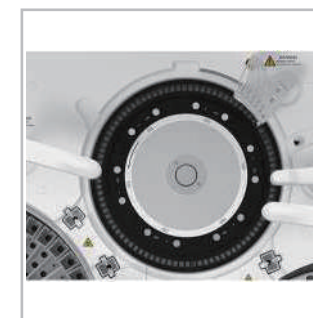
## Reagent & sample tray

- ◆ 90 reagent positions
- ◆ 120 sample positions, micro cup & test tube can be used
- ◆ Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- ◆ Bar code reader(optional)



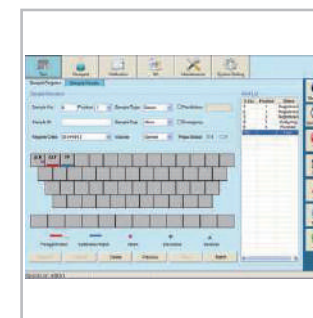
## Reaction tray

- ◆ 90 reaction cuvettes
- ◆ Reaction volume as low as 150 μl
- ◆ Stable & accurate temperature (37±0.1°C) for reaction



## Advanced operating system

- ◆ User friendly software interface simple, easy-to-operation
- ◆ Automatic sample dilution(decrease, increase, normal).
- ◆ Automatic reaction result checking and warning, automatic calibration result checking, with warning log.
- ◆ Linear & nonlinear calibration,Multi-points calibration up to 8 points
- ◆ Quality control apply to westgard, L-T plot, cumulative



Technical specifications

| General information |                                                          |
|---------------------|----------------------------------------------------------|
| Machine type        | Random access, open reagent & locked reagent (optional)  |
| Test speed          | Constant 400 tests/hour (Mono reagent or double reagent) |
| Test principle      | Colorimetric method, turbidimetry                        |
| Test method         | 1 point end, 2 point end, Fixed-Time, Kinetics           |
| Calibration type    | Linear & nonlinear                                       |

| Sample unit    |                                                                                                |
|----------------|------------------------------------------------------------------------------------------------|
| Sample tray    | 120 sample positions                                                                           |
| Sample tube    | Micro cup & test tube & blood collection tube can be used.<br>( $\phi$ 12 -13 )mm ×(25-100 )mm |
| Sample volume  | 2-30 l step by 0.1 l                                                                           |
| Sample probe   | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance            |
| Sample barcode | Sample barcode reader (optional)                                                               |

| Reagent unit   |                                                                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reagent tray   | 90 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C, open system, could accept any reagent. |
| Reagent volume | 20-300 l, step by 1 l                                                                                                                                    |
| Reagent needle | Liquid surface detection, timely tracking for liquid volume.<br>Collision avoidance.                                                                     |
| Regent barcode | Regent barcode reader (optional)                                                                                                                         |

| Reaction unit   |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| Reaction tray   | 90 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance. |
| Reaction volume | 150 l-330 l                                                                                |
| Reaction time   | 10 minutes                                                                                 |
| Temperature     | Peltier pad incubation system, reaction temperature(37°C ±0.1 °C)                          |

| Mixing system |                                                      |
|---------------|------------------------------------------------------|
| Mixer         | paddle-type mixing, effective reducing of carry-over |

| Optical system   |                                                                          |
|------------------|--------------------------------------------------------------------------|
| Light source     | Halogen lamp                                                             |
| Wavelength       | 340nm; 405nm; 450nm; 505nm; 546nm; 578nm;<br>630nm;700nm(4 more options) |
| Absorbance range | 0-4.0 Abs                                                                |
| Resolution       | 0.0001 Abs                                                               |

| Operating system |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation system | Windows XP, Windows 7, Windows 8, Windows 10                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Data processing  | Automatic calibration, test combination, effective time management of reagents, serum index, whole process detection, linear expansion of enzyme, blank deduction,dirty cuvette memory, cross infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference range grading, alarm information classification, user operation privilege classification management. |
| Report printing  | 6 formats optional,<br>support custom pattern                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Interface        | TCP/IP network interface                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Working conditions |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Language           | Chinese, English, Russian, French, Spanish, Portuguese.Other language is optional. |
| Power supply       | AC 110/220V ± 10%, 50/60 Hz, 650W                                                  |
| Water consumption  | 15L/hour(maximum)                                                                  |
| Dimension          | 1110mm×765mm ×1150mm(L×W×H)                                                        |
| Weight             | 200kg                                                                              |

# Fully Automated Biochemistry Analyzer (POCT)

BA-PA-120

## Description

- BA-PA-120 auto dry biochemistry analyzer is a biochemical analysis system that integrates conventional biochemistry, coagulation, electrolyte items. it is widely used in primary health, emergency diagnostic testing, field rescue and other fields.

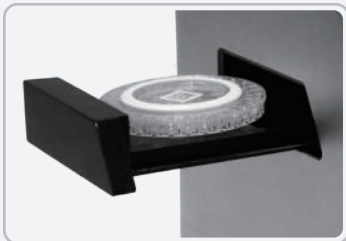


## Reagent Panel

| Cat.    | Product                      | Test Items Range                                                                                                       |
|---------|------------------------------|------------------------------------------------------------------------------------------------------------------------|
| AW00002 | 14 General Chemistry Kit     | ALB,ALP,ALT,AMY,AST,Crea ,GGT ,GLU ,TB ,TC, TG ,TP ,UA ,UREA ,U/C* , GLOB* , A/G*                                      |
| AW00867 | 19 General Chemistry III Kit | ALB ,ALP ,ALT ,AMY,AST, CHE ,CK ,Crea ,DB ,GGT, GLU ,HDL ,TB ,TBA ,TC , TG , TP ,UA ,UREA ,U/C* , GLOB* , A/G* , LDL*  |
| AW00430 | 10 Liver Function Kit        | ALB ,ALP ,ALT ,AMY,AST, DB ,GGT ,LPS ,TB ,TP, GLOB* ,A/G*                                                              |
| AW00131 | 10 Liver Function Kit        | ALB ,ALP ,ALT ,AMY,AST, CHE ,GGT ,TB ,TBA ,TP, GLOB* , A/G*                                                            |
| AW00194 | 13 Health Check kit          | ALB ,ALT , AMY, AST , Ca, Crea ,CK , GLU , PHOS , TB , TG ,TP , UREA ,U/C* ,                                           |
| AW00353 | 6 Lipid Kit                  | ALT , AST, GLU , HDL , TC, TG, LDL*                                                                                    |
| AW00857 | 11 Chemistry CRP Kit         | TP ,Crea ,TB ,AST ,ALP, ALB ,ALT ,DB ,GLU , UREA , CRP ,U/C* ,GLOB* ,A/G*                                              |
| AW00866 | 18General Chemistry II Kit   | ALB,AMY,AST,Ca,CK,Cl,Crea ,GLU ,HBDH ,K+ ,LDH , LPS ,Mg ,Na+ ,PHOS , tCO2 , UA ,UREA ,U/C*                             |
| AW00275 | 8 Renal Function Kit         | ALB ,Ca ,Cl- ,Crea , K+ , Na+ , UA ,UREA ,U/C*                                                                         |
| AW00088 | 8 Renal Function Kit         | ALB ,Ca ,Crea ,GLU ,PHOS , tCO2 ,UA ,UREA ,U/C*                                                                        |
| AW00246 | 7 Electrolyte Kit            | Ca ,Cl- ,K+ ,Mg ,Na+ ,PHOS , tCO2                                                                                      |
| MD20201 | 5 Cardiac Kit                | AST ,CK ,HBDH ,LDH ,CK MB                                                                                              |
| MD20105 | 10 Relyte kit                | Ca,Cl-,Crea,K+,Mg ,Na+ , PHOS ,tCO2 ,UA ,UREA ,U/C*                                                                    |
| MD20182 | 17 General Chemistry IV kit  | TC ,TG ,HDL ,Hcy,LP(α) , Cys-C ,Crea ,UREA ,UA , GLU ,FRUC ,TP ,ALB ,AST, ALT ,TB ,DB ,A/G* ,U/C* , LDL* ,IBIL* ,GLOB* |
| MD20192 | 19 General Chemistry V Kit   | AST ,CK ,CK-MB ,LDH , HBDH ,CRP ,K+ ,Na+ ,Cl- , Ca ,Mg ,PHOS ,tCO2 , AMY, LPS ,GLU ,Crea ,UA ,UREA ,                   |
| MD10184 | 4 Coagulation Assay Kit      | APTT ,Fib ,PT ,TT ,INR*                                                                                                |
| MD10186 | HbA1c Kit                    | HbA1c                                                                                                                  |

## Features

- Low Sample Consumption**  
Sample volume is 1/10- 1/20 of conventional chemistry analyzer.
- Easy to Use**
  - No professional skill required.
- Maintenance Free**
  - Robust analyzer, no consumables needed, such as tubes, pumps and valves.
- Accurate Result**
  - Using the photoelectric colorimetric principle, the BA-PA-120 analyzer has many advantages versus conventional dry biochemistry analyzer using the light reflection method. Dilution of test sample is guaranteed without random errors or cross contamination.



## Specifications

| Model                                 | BA-PA-120                                                    |
|---------------------------------------|--------------------------------------------------------------|
| Sample volume                         | 90-120 L                                                     |
| Barcode                               | Two-dimensional barcode                                      |
| Testing Time                          | 12minutes/sample                                             |
| Temperature                           | 37 C ±0.3 C                                                  |
| Resolution                            | 0.001Abs                                                     |
| Absorbance                            | 0-3.0Abs                                                     |
| Sample type(biochemistry,electrolyte) | Anti-coagulated whole blood, serum, plasma                   |
| Sample type(coagulation)              | Anti-coagulated whole blood                                  |
| QC&Calibrate                          | Real time full-auto finish                                   |
| Working Conditions                    | Temperature:10-32 C ; Humidity: <85%                         |
| Testing Principle                     | Absorption spectroscopy,transmission turbidimetry            |
| Testing Method                        | End point, kinetic, fixed time and turbidimetry              |
| Light Source                          | 12V/20W,halogen tungsten lamp, life span is over 2500 hours  |
| Electricity                           | AC100V-240V , 50-60Hz                                        |
| Display                               | Android 6.5 inch 800*480,multi-point capacitive touch screen |
| Storage                               | 500000 results                                               |
| Printer                               | Built-in thermal printer                                     |
| Connector                             | 4 USB ports, 1 LAN port                                      |
| Package Dimension(W*D*H)(mm)          | 340*320*400                                                  |
| Net Weight                            | 4.2 Kg                                                       |

# Fully Auto Biochemistry Analyzer

BA-A-200TC



- ◆ Throughput: 200 tests/hour
- ◆ Sample Volume: 1.6–50  $\mu\text{L}$ , 0.1  $\mu\text{L}$  step 40 sample positions,
- ◆ 40 reagent positions and 60 reusable plastic cuvettes
- ◆ Wavelength: 340–690 nm, 9 wavelengths, accuracy  $\pm 1.5$  nm

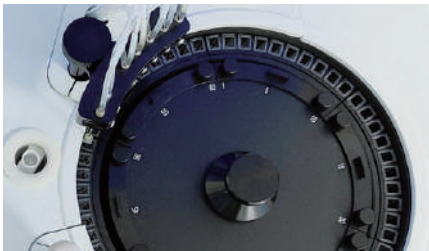
## Sample & Reagent Positions

- ◆ 40 sample positions
- ◆ Reagent refrigeration function
- ◆ 40 reagent positions



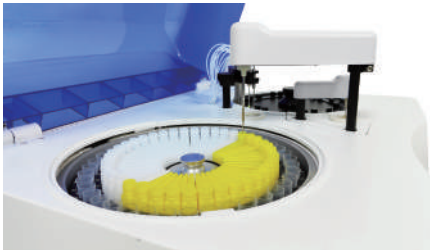
## Reaction Cuvettes

- ◆ 60 reusable plastic cuvettes
- ◆ Automatic cuvette blank testing
- ◆ Rear spectrophotometry optical system
- ◆ Detachable design for easy replacement



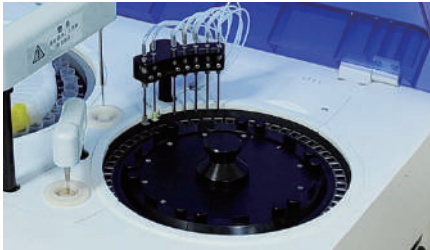
## Sample/Reagent Probe & Mixer

- ◆ Automatic liquid level detection
- ◆ Collision protection function
- ◆ Interior and exterior probe washing
- ◆ Independent mixer



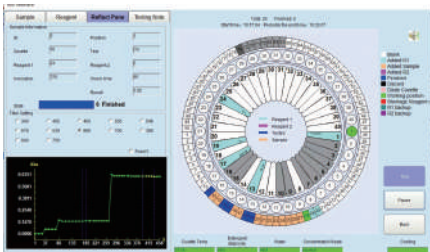
## 7-Step Auto-Washing

- ◆ Automated 7-step washing
- ◆ Advanced wash station ensures accurate results
- ◆ Low water consumption: 1–2 L/h



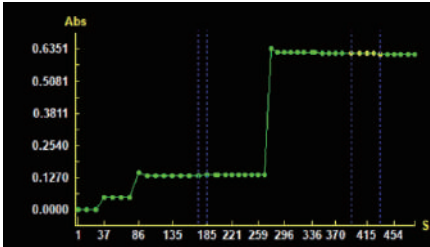
## Intelligent Software

- ◆ Automatic cuvette washing at startup and shutdown
- ◆ Automatic reagent volume detection at startup
- ◆ Reagent tray temperature detection at startup



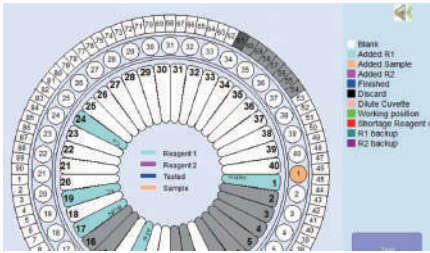
## Cuvette Blank & Calibration

- ◆ Automatic cuvette blank measurement
- ◆ Automatic washing of selected cuvettes



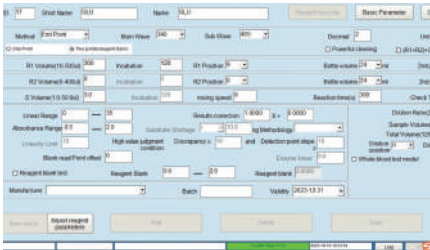
## Real-Time Operating Status Display

- ◆ Real-time monitoring of sample tray, reagent tray, and cuvettes
- ◆ Real-time tracking of residual reagent volumes
- ◆ Real-time monitoring of liquid waste volume



## Automatic Dilution and Retest

- ◆ Automatic dilution and retest when absorbance is out of range
- ◆ Automatic dilution and retest when linearity limit is exceeded
- ◆ Flexible setting for auto-dilution ratio and dilution water position



Specifications

|                  |                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------|
| Model            | BA-A-200TC                                                                                                       |
| System Functions |                                                                                                                  |
| Analysis Methods | End-point, kinetic, two-point, double-reagent, double-wavelength, multi-standard, etc.; open to various reagents |

|                                                       |                                                        |
|-------------------------------------------------------|--------------------------------------------------------|
| Optimal Replacement for Semi-Auto Chemistry Analyzers | Minimal labor required;                                |
|                                                       | Independent mixer;                                     |
|                                                       | Reduced reagent consumption: 300 µL/test               |
|                                                       | Throughput: 200 tests/hour                             |
|                                                       | User-friendly: Smart and easy-to-operate software      |
|                                                       | High accuracy: Minimized operational and random errors |
| Proven reputation among clinics                       |                                                        |

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Sample/Reagent Handling |                                                                 |
| Sample Volume           | 1.6–50 µL, 0.1 µL step                                          |
| Sample Dilution         | Automatic/Manual pre-dilution, with dilution ratios up to 1:100 |
| Reagent Positions       | 40                                                              |
| Reagent Volume          | 10–500 µL, 0.5 µL step                                          |

|                           |                              |
|---------------------------|------------------------------|
| Reaction System           |                              |
| Reaction Cuvettes         | 60 reusable plastic cuvettes |
| Optical Length of Cuvette | 6 mm                         |
| Reaction Volume           | 180–400 µL                   |
| Max. Reaction Time        | 10 minutes                   |
| Reaction Temperature      | 37 ± 0.1°C                   |

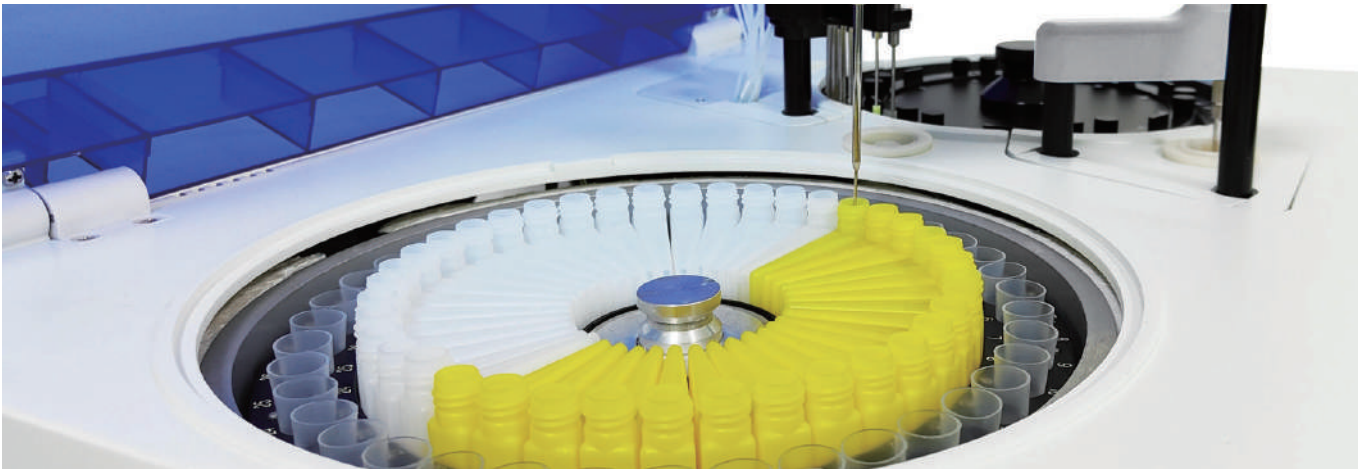
|                  |                                             |
|------------------|---------------------------------------------|
| Optical System   |                                             |
| Light Source     | Halogen-tungsten lamp                       |
| Wavelength       | 340–690 nm, 9 wavelengths, accuracy ±1.5 nm |
| Absorbance Range | 0–5.0 Abs                                   |
| Resolution       | 0.0001 Abs                                  |
| Optical Type     | Rear spectrophotometry                      |

|             |                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------|
| Calibration |                                                                                                           |
| Calibration | Linear/non-linear multi-point calibration                                                                 |
| Retest      | Automatically retests the sample when results exceed the linearity range or sample volume is insufficient |

|                  |                             |
|------------------|-----------------------------|
| Operating System | Windows 10 or Windows 7     |
| Input and Output |                             |
| Input            | RS-232 interface / Computer |
| Output           | Multi-format printout       |

|                     |                                |
|---------------------|--------------------------------|
| Working Conditions  |                                |
| Power Supply        | 100–240 V AC, 50/60 Hz, 300 VA |
| Ambient Temperature | 10–35°C                        |
| Humidity            | ≤ 90%, non-condensing          |

|                       |                             |
|-----------------------|-----------------------------|
| Dimensions and Weight |                             |
| Analyzer              | 548 x 413 x 360 mm, 27.3 kg |
| Package               | 910 x 680 x 675 mm, 39 kg   |



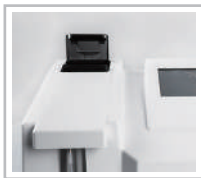
Semi-Auto Chemistry Analyzer

BA-SA-100



Semi-Auto Chemistry Analyzer

- ◆ Windows embedded compact 7 smart operation system
- ◆ 7" inch true color touch screen(800\*480 pixels)
- ◆ 5 USB ports & 1 ethernet port
- ◆ Flow cell & cuvette testing mode
- ◆ Huge storage of more than 300 programs & 200000 sample results



Specifications

| Technical specifications          |                                                                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test method                       | 1 point end, 2 point end(Sample blank), Kinetics, Fixed-time                                                                                                                                        |
| Optics                            | 7 standard filters: 340nm, 405nm, 450nm, 505nm, 546nm, 578nm, 630nm. 2 more for optional.                                                                                                           |
| Lamp house                        | Long-life tungsten halogen lamp(6V/10W), auto-sleep function.                                                                                                                                       |
| Display                           | 7.0" TFT LCD with touch screen, 800*480 pixels.                                                                                                                                                     |
| Printer                           | Build-in thermal printer, 57mm printer paper.                                                                                                                                                       |
| Temperature                       | 25/ 30, 37°C and Room temperature. By means of Peltier elements.                                                                                                                                    |
| Flow cell capacity & optical path | 32 l, 10mm.                                                                                                                                                                                         |
| Resolution                        | 0.0001 Abs.                                                                                                                                                                                         |
| Photometric range                 | 0.0000-4.0000 Abs.                                                                                                                                                                                  |
| CPU                               | ARM Cortex-A8, 720M Hz                                                                                                                                                                              |
| Memory                            | DDR2 SDRAM: 1G bit;                                                                                                                                                                                 |
| Flash                             | 256 MB;<br>Over 300 programs, 200000 results can be stored.                                                                                                                                         |
| Interface                         | 4 USB Hosts, 1 USB Slave, 1 Ethernet port.<br>USB port(host) for keyboard, mouse, printer, U disk, bar code reader etc.<br>USB port(slave) for PC connection(support PC software control function). |
| Operational environment           | Temperature: 10°C~30°C, Humidity: 30%~80%.                                                                                                                                                          |
| Power requirement                 | Wide power supply AC 100-240V, 50/60 Hz.                                                                                                                                                            |
| Dimension                         | 400×300×160mm(L×W×H).                                                                                                                                                                               |
| Language                          | Russian、English、Portuguese、Spanish、Chinese                                                                                                                                                          |

Semi-Auto Chemistry Analyzer

BA-SA-100C



Semi-Auto Chemistry Analyzer

- ◆ Windows embedded compact 7 smart operation system
- ◆ 7" inch true color touch screen(800\*480 pixels)
- ◆ 5 USB ports & 1 ethernet port
- ◆ Flow cell & cuvette testing mode
- ◆ Multifunctional incubator & blood coagulation function
- ◆ Blood coagulation function: The instrument can perform blood coagulation routine tests: PT, APTT, TT and can measure blood coagulation time
- ◆ Different vacancies on the multifunctional incubator can be used for different sizes of test tubes, cuvettes, etc (22 incubation positions in total).
- ◆ Huge storage of more than 300 programs & 200000 sample results

Specifications

| Technical specifications          |                                                                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test method                       | 1 point end,2 point end(Sample blank),Kinetics,Fixed-time,Coagulation                                                                                                                               |
| Optics                            | 7 standard filters: 340nm, 405nm, 450nm, 505nm, 546nm, 578nm, 630nm. 2 more for optional.                                                                                                           |
| Lamp house                        | Long-life tungsten halogen lamp(6V/10W), auto-sleep function.                                                                                                                                       |
| Display                           | 7.0" TFT LCD with touch screen, 800*480 pixels.                                                                                                                                                     |
| Printer                           | Build-in thermal printer, 57mm printer paper.                                                                                                                                                       |
| Temperature                       | 25/ 30, 37°C and Room temperature. By means of Peltier elements.                                                                                                                                    |
| Flow cell capacity & optical path | 32 l, 10mm.                                                                                                                                                                                         |
| Resolution                        | 0.0001 Abs.                                                                                                                                                                                         |
| Photometric range                 | 0.0000-4.0000 Abs.                                                                                                                                                                                  |
| CPU                               | ARM Cortex-A8, 720M Hz                                                                                                                                                                              |
| Memory                            | DDR2 SDRAM: 1G bit;                                                                                                                                                                                 |
| Flash                             | 256 MB;<br>Over 300 programs, 200000 results can be stored.                                                                                                                                         |
| Interface                         | 4 USB Hosts, 1 USB Slave, 1 Ethernet port.<br>USB port(host) for keyboard, mouse, printer, U disk, bar code reader etc.<br>USB port(slave) for PC connection(support PC software control function). |
| Operational environment           | Temperature: 10°C~30°C, Humidity: 30%~80%.                                                                                                                                                          |
| Power requirement                 | Wide power supply AC 100-240V, 50/60 Hz.                                                                                                                                                            |
| Dimension                         | 400×300×160mm(L×W×H).                                                                                                                                                                               |
| Language                          | Russian、English、Portuguese、Spanish、Chinese                                                                                                                                                          |

# Semi Auto Biochemistry Analyzer

BA-SA-100B



-  Adopt 7 inch color LCD touch screen
-  Wavelength precision:±2 nm, width ≤ 10nm
-  7 wavelength ,
-  80 test item pre-programmed

-  ARM series high speed micro CPU
-  Built-in thermal sensitive printer
-  7 standard filters
-  Flow cell and cuvette test mode compatible
-  Real time curve showing
-  Memory for 10,000 sample results and 150 test items
-  Light source hibernate function making lamp life longer
-  RS232 interface, PC connecting

## Description

- Semi auto biochemistry analyzer is widely used in medical institutions to quantitatively analyze the clinical chemical components of serum, plasma and other samples, such as the detection of liver function, kidney function, blood lipids, myocardial enzymes, inorganic ions and other biochemical items.

## Specifications

| Model                     | BA-SA-100B                                                                |
|---------------------------|---------------------------------------------------------------------------|
| Test mode                 | Kinetic, End point, Two point, Absorbance                                 |
| Wavelength                | 7 standard filters, 340, 405, 492, 510, 546, 578, 630 nm, 1 free position |
| Wavelength precision      | ±2 nm, width ≤ 10nm                                                       |
| Absorbance range          | 0~4.500 Abs                                                               |
| Absorbance precision      | Outside 0.0001 Abs , inside 0.00001 Abs                                   |
| Carry over                | < 1%                                                                      |
| Repeatability CV          | < 1%                                                                      |
| Sample volume             | 0~3000 L (≥500 L recommend)                                               |
| Data Storage              | ≥10000                                                                    |
| Quality control curve     | 、 SD、 CV%、 L-J quality control curve for every test item                  |
| Flow cell                 | 32 L quartz glass, 10 mm                                                  |
| Lamp                      | Philips 6V 10W Halogen Lamp with long life                                |
| Screen                    | 7 inches color LCD                                                        |
| CPU                       | ARM series high speed micro CPU                                           |
| Printer                   | Built-in thermal sensitive printer                                        |
| Work environment          | Temperature 0℃ ~ 40℃, Humidity: ≤80%                                      |
| Electricity               | 100~240VAC , 50~60Hz, 100VA                                               |
| Dimension(L*W*H)          | 360*270*180 mm                                                            |
| Packing dimension (L*W*H) | 500*460*290mm                                                             |
| Net weight                | 5 kg                                                                      |
| Gross weight              | 7.5kg                                                                     |
| Optional language         | English; French; Spanish; Portuguese; Indonesian                          |
| Usual test list           | Liver function:                                                           |
|                           | ALT AST ALP T-BIL D-BIL TP ALB TTT CHE Nh3                                |
|                           | Renal function :                                                          |
|                           | BUN CRE UA URE CO2-CP γ -GT                                               |
|                           | Lipids:                                                                   |
|                           | T-CHO TG HDL-C LDL-C                                                      |
|                           | Cardiac function:                                                         |
|                           | CK CK-MB LDH                                                              |
|                           | Immune proteins:                                                          |
|                           | IGA IGG IGM C3                                                            |
|                           | Others:                                                                   |
|                           | GLU HGB AMS                                                               |

Semi Auto Biochemistry Analyzer

BA-SA-100D



- Adopt 7 inch color LCD touch screen
- Wavelength precision:±2 nm, width ≤ 10nm
- 5 wavelength ,
- 80 test item pre-programmed

- ARM series high speed micro CPU
- Built-in thermal sensitive printer
- 7 standard filters
- Flow cell and cuvette test mode compatible
- Real time curve showing
- Memory for 10,000 sample results
- Light source hibernate function making lamp life longer
- RS232 interface, PC connecting

Description

- Semi auto biochemistry analyzer is widely used in medical institutions to quantitatively analyze the clinical chemical components of serum, plasma and other samples, such as the detection of liver function, kidney function, blood lipids, myocardial enzymes, inorganic ions and other biochemical items.

Specifications

| Model                    | BA-SA-100D                                                                |
|--------------------------|---------------------------------------------------------------------------|
| Test mode                | Kinetic, End point, Two point, Absorbance                                 |
| Wavelength               | 7 standard filters, 340, 405, 492, 510, 546, 578, 630 nm, 1 free position |
| Wavelength precision     | ±2 nm, width ≤ 10nm                                                       |
| Absorbance range         | 0~4.500 Abs                                                               |
| Absorbance precision     | Outside 0.0001 Abs , inside 0.00001 Abs                                   |
| Carry over               | < 1%                                                                      |
| Repeatability CV         | < 1%                                                                      |
| Incubator                | 37℃、30℃、25℃                                                               |
| Precision                | ±0.1℃                                                                     |
| Sample volume            | 0~3000 L (≥500 L recommend)                                               |
| Data Storage             | ≥10000                                                                    |
| Quality control curve    | 、SD、CV%、L-J quality control curve for every test item                     |
| Flow cell                | 32 L quartz glass, 10 mm                                                  |
| Lamp                     | Philips 6V 10W Halogen Lamp with long life                                |
| Screen                   | 7 inch color LCD                                                          |
| CPU                      | ARM series high speed micro CPU                                           |
| Printer                  | Built-in thermal sensitive printer                                        |
| Work environment         | Temperature 0℃ ~ 40℃, Humidity: ≤80%                                      |
| Electricity              | 100~240VAC, 50~60Hz, 100VA                                                |
| Dimension(L*W*H)         | 360*270*180 mm                                                            |
| Package Dimension(L*W*H) | 500*460*300                                                               |
| Weight                   | 5 kg                                                                      |
| Optional language        | English; French; Spanish; Portuguese; Indonesian                          |
| Usual test list          | Liver function:                                                           |
|                          | ALT AST ALP T-BIL D-BIL TP ALB TTT CHE Nh3                                |
|                          | Renal function :                                                          |
|                          | BUN CRE UA URE CO2-CP γ-GT                                                |
|                          | Lipids:                                                                   |
|                          | T-CHO TG HDL-C LDL-C                                                      |
|                          | Cardiac function:                                                         |
|                          | CK CK-MB LDH                                                              |
|                          | Immune proteins:                                                          |
|                          | IGA IGG IGM C3                                                            |
|                          | Others:                                                                   |
|                          | GLU HGB AMS                                                               |

# Veterinary Chemistry Analyzer

BA-VA-120

## Description

- ◆ It is a completely new chemistry, electrolyte, immunoassay and coagulation analyzer for animal health diagnosis producing accurate reference laboratory quality results.



## Specification

| Model                   | BA-VA-120                                                     |
|-------------------------|---------------------------------------------------------------|
| Sample volume           | 90-120 L                                                      |
| Bar code                | Two-dimensional bar code                                      |
| Testing time            | 12minutes/sample                                              |
| Temperature             | 37℃±0.2℃                                                      |
| Resolution              | 0.001Abs                                                      |
| Absorbance              | 0-3.0Abs                                                      |
| Sample type             | Anti-coagulated whole blood, serum, plasma                    |
| QC&Calibrate            | Real time full-auto finish                                    |
| Operational environment | Temperature:10-32℃; Humidity: <85%                            |
| Testing principle       | Absorption spectroscopy, transmission turbidimetry            |
| Testing method          | End point, kinetic, fixed time and turbidimetry               |
| Light source            | 12V/20W,halogen tungsten lamp's life span is over 2500 hours  |
| Electricity             | AC100V-240V, 50-60Hz                                          |
| Display                 | Android 6.5 inch 800*480, multi-point capacitive touch screen |
| Storage                 | 4G, > 100.000 results                                         |
| Printer                 | Built-in thermal printer                                      |
| Connector               | 2 USB ports                                                   |
| Dimensions (W×D×H)      | 345×315×405                                                   |
| Weight                  | 5 Kg                                                          |
| Language                | English、German、Portuguese、Spanish、Italian、Russian             |

## Features

**Small sample volume**  
Sample volume required for analysis is only 1/10-1/20 when compared to traditional chemistry analyzers.

**Easy to Carry**  
5kg. The analyzer was designed to be portable and have a small footprint, ensuring that it can be used anywhere at any time.

**Less Maintenance**  
No maintenance consumables, such as tubing, pumps or valves required, which saves on maintenance expense.

**Accurate Results**  
The analyzer utilizes the photometric colorimetric principle, which is superior to the dry chemistry analyzer using a light reflection principle. The accurate rotor mould guarantees consistent test sample and dilution volumes, eliminating random error and cross contamination.



multi-point capacitive touch screen



Built-in thermal printer



Reagent tray



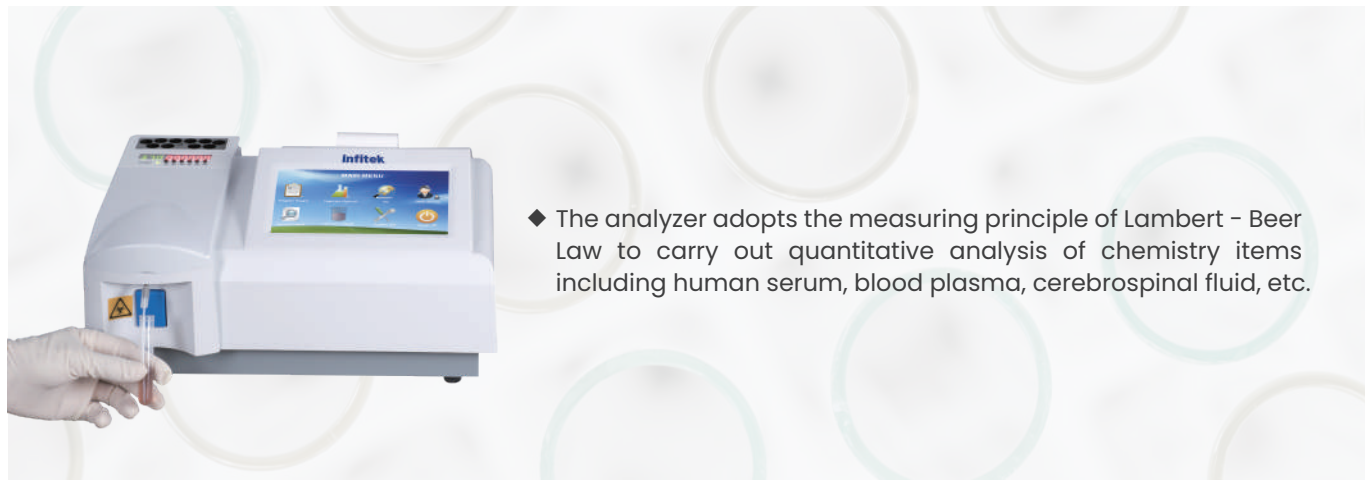
Reagent tray

## Reagent Panel

| Cat.    | Product                                | Test Items Range                                                                                                 |
|---------|----------------------------------------|------------------------------------------------------------------------------------------------------------------|
| AW02015 | 16 Comprehensive Diagnostic Parameters | ALB, AMY, ALP, ALT, CHE, GLU, K+, Na+, Crea, TB, TP, UA, BUN, A/G*, B/C*, GLOB*                                  |
| AW01981 | 16 Health Check Parameters             | ALB, AMY, Ca, TP, Crea, GLU, TB, ALT, AST, CK, BUN,TG, PHOS, A/G*, B/C*, GLOB*                                   |
| AW00686 | 10 Primary Diagnostic                  | ALB, A/G, ALP, ALT, Crea, GLOB, GLU, TP, B/C, BUN                                                                |
| AW01984 | 11 Liver Function Parameters           | ALB, ALT, AST, ALP, GGT, TB, TBA, TP, TC, A/G*, GLOB*                                                            |
| AW02991 | 9 Kidney Function Parameters           | ALB, Crea, Ca, GLU, PHOS, UA, BUN, tCO2, B/C*                                                                    |
| AW01982 | 10 Pre-operation Test Paramete         | ALT, AST, ALP, CK, Crea, GLU, TP, BUN,LDH, B/C*                                                                  |
| AW02014 | 6 Canine Inflammation                  | c-CRP, Crea, AMY, LPS, BUN, B/C*                                                                                 |
| AW01987 | 12 Feline Inflammation                 | LPS, GGT, f-SAA, ALP, BUN, ALB, TBA, Crea, B/C*                                                                  |
| AW01986 | 13 Reptilian or Exotric Animals        | ALB, AST, Ca, CK, GLU, K+, Na+, PHOS,TBA, TP, UA                                                                 |
| AW00650 | 4 Coagulation Parameters               | PT, APTT, TT, FIB                                                                                                |
| AW01980 | 24 Comprehensive Test                  | ALB, Crea, BUN, LPS, AMY, LDH, AST, TP,TB, Ca, CK, TC, GGT, TG, PHOS, GLU,TBA, ALP, ALT, GLOB*, A/G*, B/C*, tCO2 |
| AW01985 | 13ElectrolytePlus Parameters           | PHOS, Cl-, Na+, pH, K+, tCO2, LAC, Mg,Ca                                                                         |
| AW01364 | 9 Diabetes Test Parameters             | ALT, AST, GLU, TG, TC, LAC, FRU, AMY, LPS                                                                        |
| AW01815 | Ammonia Parameter                      | NH3                                                                                                              |

# Veterinary Chemistry Analyzer

## BA-SA-100Vet



### Features



- ◆ Animal Type: cat, dog, horse, mouse, rat, rabbit, pig, cow, monkey, sheep, user-defined settings.
- ◆ 7-inch color LCD touch screen.
- ◆ Flow cell and cuvette test mode compatible.
- ◆ Real time curve showing.
- ◆ 7 wavelength , 90 test item pre-programmed.
- ◆ Memory for 10,000 sample results.
- ◆ The light source hibernation function makes the lamp life longer.
- ◆ RS232 interface, PC connecting.
- ◆ 10 incubator positions and 3 timers.

### Specification

| Model                        | BA-SA-100Vet                                                                       |
|------------------------------|------------------------------------------------------------------------------------|
| Test Mode                    | Kinetic, End point, Two point, Absorbance                                          |
| Sample Volume                | 0-3000 L(≥500 L recommended)                                                       |
| Flow Cell                    | 32 L quartz glass                                                                  |
| Wavelength                   | 7 standard filters, 340, 405, 492, 510, 546, 578, 630nm, 1free position wavelength |
| Precision                    | ±2nm, width<10nm                                                                   |
| Absorbance Range             | 0-4.500 Abs                                                                        |
| Absorbance Precision         | Outside 0.0001 Abs , inside 0.00001 Abs carry over: < 1%                           |
| Repeatability CV             | <1%                                                                                |
| Data Storage                 | ≥10000                                                                             |
| Quality Control Curve        | X SD CV% L-J quality control curve for every test item                             |
| Lamp                         | Philips 6V 10W Halogen lamp with long life                                         |
| CPU                          | ARM series high speed micro CPU                                                    |
| Printer                      | Internal thermal sensitive printer                                                 |
| Interface                    | RS-232                                                                             |
| Work Environment             | Temperature:0℃~40℃, Humidity: 80%                                                  |
| Electricity                  | 100-240VAC, 50-60Hz, 100VA                                                         |
| Dimension(L*W*H)             | 340*270*160mm                                                                      |
| NW./G.W.(kg)                 | 5kg/8kg                                                                            |
| Package Dimension(W*D*H)(mm) | 500*460*300mm                                                                      |

### Usual test list

| Model            | BA-SA-100Vet                               |
|------------------|--------------------------------------------|
| Liver function   | ALT AST ALP T-BIL D-BIL TP ALB TTT CHE Nh3 |
| Renal function   | BUN CRE UA URE CO2-CP γ-GT                 |
| Lipids           | T-CHO TG HDL-C LDL-C                       |
| Cardiac function | CK CK-MB LDH                               |
| Immune proteins  | IGA IGG IGM C3                             |
| Others           | GLU HGB AMS                                |