

AS-280

Αυτόματος Βιοχημικός Αναλυτής

Technical specifications

General information

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|------------------|--|
| Machine type | Random access, open reagent & locked reagent (optional) |
| Test speed | Constant 200 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

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|----------------|---|
| 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 | 2-30μL, step by 0.1μL |
| Sample probe | Liquid surface detection, timely tracking for liquid volume. Collision avoidance |
| Sample barcode | Sample barcode reader (optional) |

Reagent unit

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|-----------------|---|
| 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 | 20-300μl, step by 1μl |
| Reagent needle | Liquid surface detection, timely tracking for liquid volume. Collision avoidance. |
| Reagent barcode | Reagent barcode reader (optional) |

Reaction unit

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

Mixing system

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

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| 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

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|------------------|---|
| 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, support custom pattern |
| interface | TCP/IP network interface |

Working conditions

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|-------------------|-----------------------------------|
| Power supply | AC 110/220V ± 10%, 50/60 Hz, 650W |
| Water consumption | 8L/hour(maximum) |
| Dimension | 870mm * 690mm * 740mm(L*W*H) |
| Weight | 80kg |



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