**Automatic Coagulation Analyzer**

**Ci-120**

Ci-120 is a fully automatic bench top analyzer consisting of an analytical module and a control module.

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| Operates on whole blood or  platelet-poor plasma | platelet-poor plasma |
| platelet-poor plasma | racks, primary tubes |
| Model type | benchtop |
| Dimensions (H × W × D)- analyzerDimensions (H × W × D)- Outer packing | 640mm×800mm ×630mm860mm×950mm ×755mm |
| Weight- analyzerWeight- Outer packing | 85kg125kg |
| Electric Ratings: | ac. 110-240V, 50/60Hz, ＜800VA |
| Ambient Temperature:  | Between 15℃ and 30℃ |
| Relative Humidity:  | Between 35% and 85 %  |
| Methodologies supported | clot detection (LED optical  transmission method)； chromogenic； immunologic； |
| Wavelength | 405nm；545nm；670nm；800nm |
| Number of different measured assays onboard simultaneously | 15 |
| Number of different assays programmed and calib. at one time | unlimited |
| Factor assays require manual manipulation or dilutions | No |
| Number of reagent containers onboard at once | 24 (reagent area，8℃) |
| Multiple reagent configurations supported | yes |
| Walkaway capacity: Number of specimens/Number of tests | 25/up to 500 |
| Minimum sample volume aspirated precisely at one time | 3ul |
| Standard specimen volume required to run PT or PTT/Factor VIII activity | 50ul/25ul |
| Primary tube sampling supported/Pierces caps on primary tubes | Yes/No |
| Sample bar-code reading capability | Yes |
| Reagent bar-code reading capability | Yes |
| Onboard test automatic inventory | YES |
| Measures No. of tests remaining/Short sample detection | YES/YES |
| Auto. detects adequate reagents for aspiration and analysis | YES |
| Dilution of patient samples onboard | YES |
| Automatic rerun capability/Auto reflex testing capability | YES |
| Read time extended for prolonged clotting times | YES |
| User can set different-than-standard | 1） Reagent volumes/Sample volumes；2） No. and sources of reagent；3） Incubating times/Reading times； |
| Autocalib. Or autocalib. Alert / Multipoint calib. supported | YES |
| Stat time to complete all analyses/Throughput per hour for: | PT Alone：≦6 minutes/150 specimens |
| PT, PTT：≦6 minutes/80 specimens |
| D-dimer：≦6 minutes/80 specimens |
| Factor VIII activity assay：≦11 minutes/60 specimens |
| Time delay from ordering STAT to aspiration of sample | minimal |
| Number of Measurements | At each standard point, up to 5 simultaneous multi-parameter analysis is available. |
| Automatic transfer of QC results to LIS | yes |
| Protection Function | Over-heat Protection FuseMechanical stop switchCover open/close sensorProbe protection sensorOver-current Protection Fuse |
| Unit Error Alert Function | **Instrument Abnormality-Monitoring Function**1) Temperature at heating/cooling section2) Presence or absence of sample racks3) Shortage of reagent4) Presence or absence of cuvette5) Shortage of buffer or rinse solution6) Operation of mechanical parts7) Other self-diagnosis by service mode**Sample Abnormality-Monitoring Function**1) Upper and Lower Limit Judgement2) Automatic Re-dilution Analysis (for the dilution analysis parameter only)3) Reflex Testing |
| automatic supply reaction cuvettes | YES |