**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)- analyzer  Dimensions (H × W × D)- Outer packing | 640mm×800mm ×630mm  860mm×950mm ×755mm |
| Weight- analyzer  Weight- Outer packing | 85kg  125kg |
| 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 Fuse  Mechanical stop switch  Cover open/close sensor  Probe protection sensor  Over-current Protection Fuse |
| Unit Error Alert Function | **Instrument Abnormality-Monitoring Function**  1) Temperature at heating/cooling section  2) Presence or absence of sample racks  3) Shortage of reagent  4) Presence or absence of cuvette  5) Shortage of buffer or rinse solution  6) Operation of mechanical parts  7) Other self-diagnosis by service mode  **Sample Abnormality-Monitoring Function**  1) Upper and Lower Limit Judgement  2) Automatic Re-dilution Analysis (for the dilution analysis parameter only)  3) Reflex Testing |
| automatic supply reaction cuvettes | YES |