

LUMIPULSE[®] G1200

Technical Specifications



SYSTEM OVERVIEW

| | |
|---------------------|--|
| Type | Random Access Immuno-Analyzer |
| Loading | Continuous loading and unloading of samples, reagents and consumables during operation |
| Size | 1200 (w) x 800 (T) x 1450 (H)mm |
| Weight | Ca. 330 kg |
| Throughput | 120 tests per hour independently of assay combination and assay format |
| First results | First results in 30 minutes, each consecutive result 30 seconds |
| Reagent capacity | 504 tests on 36 positions; simultaneous analysis of up to 24 assays per sample |
| Tips capacity | 5 Racks x 96 = 480 disposable tips |
| Online-connectivity | RS232C interface, connected to laboratory information systems |
| Automation | Open to conveyor systems |

SAMPLE PROCESSING

| | |
|--------------------|---|
| Sample capacity | 100 samples on board, continuous loading and unloading |
| Sample racks | 5-tube standard racks, compatible with other systems |
| Specimen container | Hitachi [®] Cups Hitachi [®] Cups: cup in tube with 16 x 100 mm; Blood collection tubes: 13 x 100 mm/13 x 75 mm 16 x 100 mm/16 x 75 mm |
| STAT-Position | Position with sample prioritization |
| Sample aspiration | Use of disposable tips to avoid carry over from sample to sample |
| Sample monitoring | Clot-detection; liquid level detection |
| Sample type | Urine, plasma and serum depending on assay, other liquids (similar to serum or plasma) |
| Dilution | Automatically: 1:10 to 1:1000 |
| Sample volume | 10 to 140 µL depending on assay |
| Dead volume | Hitachi sample cup: 100 µl Blood collection tube: 250 µl |

LUMIPULSE[®] G1200

Technical Specifications



© Jan 2014 Fujirebio Europe

REAGENTS

| | |
|-------------------------|---|
| Assay technology | Chemiluminescence Enzyme Immunoassay (CLEIA) |
| Assay design | Unitary cartridge => 1 cartridge = 1 test Aluminium foil sealed unitary cartridge |
| Storage | Active cooling to 4 to 12°C |
| Calibration type | Master- and multipoint calibration |
| Monitoring | Barcode identification for lot number, expiry date, calibration, remaining cartridge number/tests |

GENERAL INFORMATION

| | |
|----------------------------|--|
| Energy supply | 100 – 240 V, 50/60Hz |
| Energy consumption | Max. 1.7 KW |
| Ambient temperature | 15 – 30°C |
| Humidity | 40 – 80% (non-condensing) |
| Barcode types | NW7, CODE 37, CODE 128, ITF, Standard 2 of 5 |