



شركة ساف الخليج الطبية
SAAF GULF MEDICAL COMPANY

Chemiluminescence Immunoassay Analyzer

EXI1800



CLIA



Chemiluminescence Immunoassay Analyzer EXI1800

EXI1800 is a small fully automated chemiluminescence immunoassay analyzer with comprehensive test menu including SARS-CoV-2 thyroid, fertility, cardiac, inflammation, tumor marker, diabetes, and bone metabolism. EXI1800 has an analytical module including Windows 10 embedded operated touch screen PC and user-friendly software, making it easier to operate.



Features



User-friendly

- Intuitive software interface
- Easy access to all functions
- Analytical module including Window 10 embedded operated touch screen PC
- User maintenance free



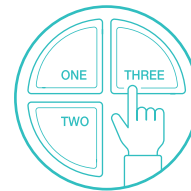
Efficient

- Up to 180 tests/hour
- Time to first result: 15 min
- 50 sample positions
- 16 reagent positions



Intelligent

- Walk-away system
- Cuvettes auto-loading, up to 500 cuvettes
- Automatically recognize reagent information
- Real-time consumables management and online consumables replacement



Multiple

- Sample type: Serum, plasma, urine
- Test mode: Random, batch, STAT
- Test menu: Comprehensive

Test Menu

| | |
|--------------|--|
| Thyroid | TSH, FT3, T3, FT4, T4, Anti-TPO, Anti-TG, TG |
| Fertility | PROG, TESTO, E2, PRL, LH, FSH, β -HCG, AMH |
| Inflammation | PCT, IL-6 |
| SARS-CoV-2 | SARS-CoV-2 antibody, SARS-CoV-2 neutralizing antibody, SARS-CoV-2 IgM, SARS-CoV-2 IgG |
| Cardiac | MYO, cTnI, CK-MB, NT-proBNP, D-Dimer, BNP |
| Diabetes | C-Peptide, INS |
| Tumor Marker | CEA, CA125, CA19-9, CA15-3, CA 50, CA 242, CA 72-4, Cyfra 21-1*, SCCA*, NSE, pro-GRP, HE4, Fer, AFP, Total PSA, Free PSA |
| Bone | 25-OH Vitamin D |
| Gastric | PG I, PGII, G-17 |
| Anemia | Vitamin B12 |

* In Development



Technical Specifications

| General Information | |
|---|---|
| Throughput | Up to 180 tests/hour |
| Measurement Principle | Micron superparamagnetic particles platform + ALP |
| Sample System | |
| Sample Feeder | Continuous sample loading and unloading |
| Test Mode | Random, batch, STAT mode |
| Sample Positions | 50 |
| Sample Probe | Steel probe, liquid level detection, clot detection, horizontal and vertical collision protection |
| Sample Volume | 10~120µL, with increment of 1µL |
| Sample Type | Serum, plasma, urine |
| Sample Tube | Micro cuvettes and original blood sampling tube |
| Reagent System | |
| Reagent Tray | 16 reagent position, continuous loading |
| Cooling System | 2~8°C, 24 h cooling |
| Reagent Pack | 50 tests/kit, 100 tests/kit |
| Reagent Scanning | Built-in/External bar code reader |
| Reagent Probe | Steel probe, liquid level detection, clot detection, horizontal and vertical collision protection |
| Sample Volume | 30~125µL, with increment of 1µL |
| Substrate System Substrate Bottle | 500 tests per bottle |
| Substrate Loading | Capable of continuous loading during testing |
| Substrate Heating | Constant heating |
| Incubation and Magnetic Separation System | |
| Incubation Temperature | 37°C± 0.3°C |
| Incubation Positions | 100 |
| Separation System | 3-phase magnetic separation |
| Measurement and Reaction System | |
| Detection Mode | Photon counting |
| Detection Position | 50 |
| Signal Detector | PMT photon counter |
| Temperature | 37°C±0.3°C |
| Mixing Unit | Non-touch vortex mixing |
| Operation System | |
| Windows 10 system, LIS, LAN port, RS232 port and USB port | |
| Flexible report printing | |
| Cuvette Loading and Waste Collection | |
| Cuvette | Disposable cuvette |
| Cuvette Loading | Auto-loading, up to 500 cuvettes, continuous loading |
| Waste Collection | 2 waste containers, 300 cuvettes per box |
| Working Conditions | |
| Power Supply | 100-240V ~, 50/60 Hz |
| Input Power | 550 VA |
| Operation Temperature | 10~30°C |
| Relative Humidity | 35% RH~85% RH, without condensation |
| Dimension | 650 mm*790 mm * 650 mm (W*D*H) |
| Weight | 110 Kg |
| Altitude Height | -400~3000 m |

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