

SFRL
Medical Diagnostics

NEW



IONIX

The New Ion Selective Electrodes analyzer to create as you see fit

Create your own IONIX from scratch!

OPTIONS

TCA CONCEPT: UNIQUE!

Take it, Choose it, Add options

The IONIX is the latest addition to SFRI's range of ion analyzers with selective electrodes. Developed and manufactured by SFRI with the latest technologies, the IONIX – even the standard model – is a high quality instrument that gives excellent results.

MCI Micro Controller Integrated Electrodes

Perfect and complete traceability: serial and lot numbers, full history, installation date, maintenance, quality control...

- Highly stable.
- Non refillable (no more human errors when refilling).
- Simple « Push & Plug » system to replace them (no wires), there's nothing easier!

Primary tube testing at last!

No more cups or needless manipulations: no more human errors in associating results with patients.

- Capacitive needle and high-end washing system.

A simple, intuitive and modern software

A « C ++ object » microprocessor software designed by SFRI.

- Integrated printer, color coded menu system, multilingual interface (all languages on demand), supports LIS, visible and audible alarms, user level access control...



Rest assured, your analyses are fully traceable!

- Data log of calibrator, control and reagent lot numbers, maintenance and alarm logs, electrodes voltages and slopes recorded. Access to all quality controls conducted and user ID log.

For labs that are tight on space the IONIX will not take up any unnecessary room on your work bench: all reagents are housed inside the instrument.

- Space saving, high quality stable reagents, reagent system secured with dongle and barcode locks, only one internal standard, high and low calibrators for daily 2 points calibration.

STANDARD MODEL

- 1 POSITION SAMPLE RACK ☒
- MCI ELECTRODES: Na^+ AND K^+ ☒
- HIGH-ENDED C ++ OBJECT SOFTWARE ☒
- LARGE COLOR TOUCH SCREEN ☒
- SUPPORTS LIS ☒
- PRIMARY TUBE TESTING ☒
- CAPACITIVE NEEDLE ☒
- INDEPENDENT WASHING SYSTEM ☒
- SECURE INTERNAL SAMPLING ☒
- COMPLETE QUALITY CONTROL (100 RESULTS FOR EACH OF THE 6 LEVELS + LEVEY JENNING GRAPHS) ☒
- INTEGRATED THERMAL PRINTER ☒
- FULL TRACEABILITY ☒
- REAGENT SYSTEM – DONGLE AND BARCODE LOCKS ☒

AUTOMATION

5 POSITION RACK ☐

AUTOLOADER 5 X 6 POSITIONS «WALK AWAY» ☐

SOON

MCI ELECTRODES

- Cl^- ELECTRODE ☐
- Ca^{2+} ELECTRODE ☐
- pH ELECTRODE ☐
- Li^+ ELECTRODE ☐

MODULES

- TCO_2 MODULE ☐
- INTERNAL SAMPLE BARCODE READER ☐
- INTERNAL REAGENT BARCODE READER ☐



STANDARD MODEL

- 1 position sample rack ☒
- MCI electrodes: Na⁺ and K⁺ ☒
- High-ended C++ Object software ☒
- Large color touch screen ☒
- Supports LIS ☒
- Primary tube testing ☒
- Capacitive needle ☒
- Independent washing system ☒
- Secure internal sampling ☒
- Complete quality control (100 results for each of the 6 levels - Levey-Jenning graphs) ☒
- Integrated thermal printer ☒
- Full traceability ☒
- Reagent system - dongle and barcode locks ☒

OPTIONS

- Automation**
- 5 position rack ☐
 - Soon, autoloader 6 x 5 ☐
- MCI Electrodes**
- Cl⁻ electrode ☐
 - Ca²⁺ electrode ☐
 - pH electrode ☐
 - Li⁺ electrode ☐
- Modules**
- TCO₂ module ☐
 - Internal reagent barcode reader ☐
 - Internal sample barcode reader ☐



Laboratory _____
Purchase order N° _____
Contact _____

Your local distributor:

Date and signature preceded by
« OK TO ORDER »



Your local distributor:

IONIX - ref. A0408 / Autoloader - ref. A0409

PRINCIPLES	Ion Selective Electrode direct measurement Manometric method for TCO ₂	
PARAMETERS	9 parameters: Na ⁺ , K ⁺ , Cl ⁻ , Ca ²⁺ , pH, Li ⁺ , TCO ₂ , A.G.	
SAMPLE	Serum, plasma, urine and whole blood 120 µL	
THROUGHPUT	60 tests / hour - without TCO ₂	
QUALITY CONTROL	6 levels with 100 results per level and Levey-Jenning graphs	
CALIBRATION	2 points every 24h	
MEMORY STORAGE	SD card → 10 000 000 patients files with results and histograms	
SOFTWARE	C++ object microprocessor software developed by SFRI	
REAGENTS	Internal reference Calibrator Normal control Pathological control Cleaning solution Na conditioner TCO ₂ calibrator TCO ₂ control	IonoRef IonoCal IonoTrol N IonoTrol P IonoClean IonoClean Na IonoCal TCO ₂ IonoTrol TCO ₂
ELECTRODES	MCI : Micro Controller Integrated Non refillable, highly stable « Push & Plug » system	
CONNECTIVITY	USB x 2 Ethernet (TCP/IP) or (UDP/IP)	
PRINTER	Internal thermal printer	
DISPLAY	Large backlit LCD 7" color touch screen High resolution 800 x 480	
OPERATING ENVIRONMENT	Temperature: 18 to 32°C (64. °F to 90°F) Humidity: 80% maximum at 32°C (90°F) Reagent storage temperature: 10°C to 40°C (50,0°F to 104,0°F)	
POWER REQUIREMENTS	A.C.: 100-240 V, 2.0 A, 50-60 Hz	
DIMENSIONS	270 x 380 x 420 mm (L x H x P)	
OPTIONAL AUTOMATIONS	Manual: 1 position rack Automatic: 5 positions rack Soon, autoloader 5 x 6 positions «walk away»	
INTERNAL BARCODE READERS	For reagents For samples	
TCO ₂ MODULE	1 easily installed module for quick and precise dosage of bicarbonates and Anion Gap measurement	
6 AVAILABLE ELECTRODES	1 reference electrode + 2 standard electrodes: Na ⁺ , K ⁺ 4 optional electrodes: Cl ⁻ , Ca ²⁺ , pH, Li ⁺	