



For Hassle-free Electrolytes Testing

New Generation Dry Chemistry Electrolyte Analyzer

SPOTCHEM™ EL

SE-1520

No Hidden Cost



www.arkray.co.in

Made in Japan

arkray healthcare Pvt.Ltd.

ELECTROLYTES - A CRITICAL TEST



Quick results are necessary

- Patients most likely will be in critical condition
- More the time to get the results - more the delay in treatment



Reliable results are a must

- One should be sure of the method used for trustworthy results

SPOTCHEM™ EL can make your facility self-equipped for electrolytes testing & you can be confident about the results



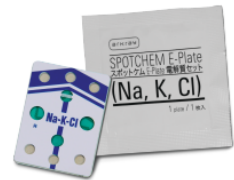
Based on the trusted Ion Selective Electrode (ISE) Method

- Get accurate results in just 1 minutes



Electrode-on-Chip (EOC) technology for efficient testing

- 3 electrodes in-built on each E-Plate
- Measures Na, K, Cl at the same time
- Fresh electrodes for each test
- No hassles & extra cost of electrode maintenance & replacement



Individually packed E-plates

- Long shelf-life of 12 months



Convenient Twin-Pipette for Ease of testing

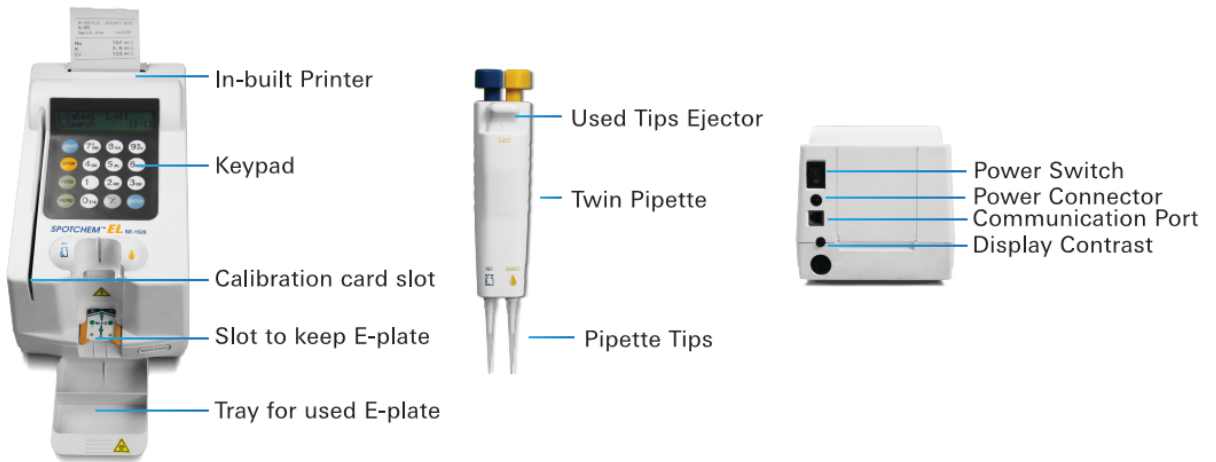
- Fixed volume (22µl) pipette to prevent measuring errors and wastage of reagents
- Used tips ejector for safe testing procedure



Magnetic card for reagent free calibration

- Magnetic card provided with each pack of E-plates.
- Calibration can be done just by swiping the card
- Saves cost of reagents required for daily calibration

SPOTCHEM™ EL - STATE-OF-ART DESIGN



NO HIDDEN COST WITH SPOTCHEM™ EL

FACTORS	WET CHEMISTRY ANALYSER	SPOTCHEM™ EL
REAGENTS FOR TESTING	3 types of reagents	Single cartridge performs all 3 parameters
ELECTRODES	3 electrodes which need to be replaced every 10-12 months	Electrodes are in-built into the cartridge and no replacement needed
POWER SUPPLY	Needs 24 x 7 power supply as if instrument is shut down, electrodes will become "dry" and life will reduce	Instrument can be switched on / off as per requirement without any trouble
UPS REQUIREMENT	Definitely needed	No need
CALIBRATION	Instrument perform 3 -6 calibrations / day (using reagents) irrespective of whether test is performed or not	1-time calibration using magnetic card - no reagents used during calibration
REGULAR MAINTENANCE OF FLUIDICS MECHANISM (TUBINGS, VALVES ETC)	Needs to be performed	No replaceable consumables hence not needed
TRAINED TECHNICIAN NEEDED TO PERFORM THE TEST	Yes	Test is simple and can be performed by anyone

EASY 3 STEP OPERATION



Set the exclusive E-Plate.



Draw the sample and reference solution with the Twin-pipette, set the pipette and apply.



Remove the pipette. Measurement starts automatically and the test result obtained in just one minute.

TECHNICAL SPECIFICATIONS

Samples	Whole blood, plasma, serum and urine
Electrolytes	Na, K, Cl
Measurement principle	Potentiometry, by ion-selective electrodes
Measurement range	For whole blood / plasma / serum Na:50~250mmol/L, K:1~15mmol/L, Cl:50~200mmol/L For urine (diluted to 50% with distilled water) Na:10~350mmol/L, K:1~80mmol/L, Cl:3~300mmol/L
Measurement time	About 1 minute
Sample volume	About 22 μ L
Data storage volume	50 measurements
Warm-up time	About 1 minute (at room temperature of 25°C)
Display	20 digits \times 2 lines LCD
Printer	58mm width built-in thermal printer
External output	RS-232C (serial)
Measurement conditions	Temperature: 10~30°C, Relative humidity: 20~80% (non-condensation)
Power supply	AC100~240V 50/60Hz
Power consumption	40VA
Dimensions	225 (D) \times 135 (W) \times 138 (H) mm
Weight	Analyzer: 1.5kg AC adapter: 0.2kg

For more information contact:

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