

Blood/Hemo-Dialysis Solution Measuring System Na⁺, K⁺, Ca⁺⁺, pH Electrolyte Analyzer

EX-Ca



Features

- ◆ Measurement Parameter : Na⁺, K⁺, Ca⁺⁺, pH
Calculated Parameter: pH corrected Ca⁺⁺
- ◆ Measurement Sample :
Hemo-Dialysis Solution A (Acid Concentrates), Solution B (Bicarbonate),
Solution A+B Balanced
Whole Blood, Plasma, Serum
- ◆ Measurement Speed: 60 samples/hour
- ◆ The electrode block features a temperature control function to assure very accurate pH corrected Ca⁺⁺ result.

Only one time calibration in a day, very stable data can be obtained. It is designed for easy operation and economical performance.

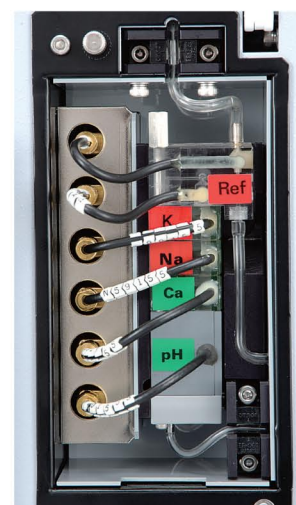
Easy operation

Sample nozzle is long enough for syringe, sample cup, capillary and you can even test samples directly from sample tubes easily. With sample cup mode, only 2 steps is required to measure and obtain test result.



Temperature control

Temperature sensor monitor the outside temperature and control electrode block at 37°C all the time in order to obtain very accurate pH and pH corrected Ca⁺⁺ result.

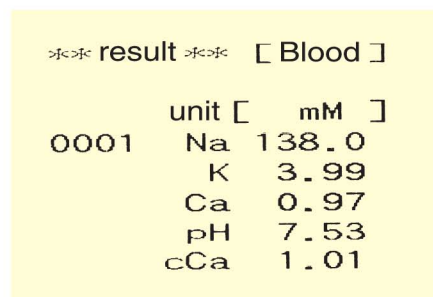


Aluminum reagent pack

With aluminum reagent packs completely sealed up, reagents have almost no concentration or no dilution. Therefore, you can get data more accurate and more reliable.



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Specification of EX-Ca

Measurement method	Fully automated system with ion selective electrode		
Sample volume	300uL		
Measurement speed	60 samples/hour		
Test parameters	Blood, Serum, Plasma		
	Na ⁺	70.0-200.0 (mmol/L)	
	K ⁺	1.00-20.00 (mmol/L)	
	Ca ⁺⁺	0.50-3.00 (mmol/L)	
	pH	7.00-8.00	
	cCa ⁺⁺	0.5-3.0 (mmol/L) (pH=7.2-7.6)	
		Solution A (Acid Concentrates)	Solution B (Bicarbonate) A+B balanced
	Na ⁺	100.0-120.0 (mmol/L)	20.0-40.0 (mmol/L) 130.0-150.0 (mmol/L)
	K ⁺	1.00-3.00 (mmol/L)	1.00-3.00 (mmol/L)
	Ca ⁺⁺	0.50-3.00 (mmol/L)	0.50-3.00 (mmol/L)
Calibration	Two-point automatic calibration (interval is adjustable)		
Test functions	Calculation of the X and C.V. %. Setting up normal range		
Data memory	500 patient data.		
On-line	RS-232C built in		
Display	LCD display with a back light (20 digits, 4 lines)		
Printer	Thermal printer		
Barcode reader	Option		
Weight	Approx. 13 kg		
Dimensions	300 (W) x 300 (D) x 370 (H) mm		
Power	AC 110/220 V ±10%, 50/60 Hz		



JOKOH CO., LTD.

3-19-4 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan
 Phone: +81-3-3814-1981 Fax: +81-3-3815-1759
 Email: worldwide@jokoh.com
 Home page: <http://www.jokoh.com/e-index.html>