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.

JOKOH

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.
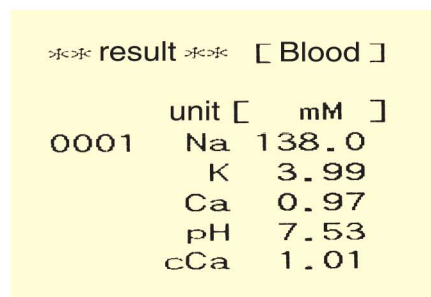

■Aluminum reagent pack

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.

■Print out

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＊＊ result ＊＊   [ Blood ]

        unit [     mM   ]
0001      Na  138.0
           K    3.99
          Ca    0.97
          pH    7.53
         cCa    1.01
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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 $\bar{x}$ 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		