



Arterial Blood Gas plus Electrolyte Analyzer

HDC™ -LYTE^{plus}



pH

pCO₂

pO₂

Na

K

Cl

iCa

Li

Key Features -

- Principle** : Direct measurement with ion selective & Amperometric electrodes.
- Parameters** : Easy Parameter selection.
- Sample Type** : Whole blood (Arterial & Venous), serum, plasma, CSF and diluted urine.
- Sample Volume** : 140µl.
- Analysis time** : 65 seconds.
- Storage** : Unlimited storage.
- Display** : 7 inch high definition LCD with capacitive touch.
- Printer** : 2 inch 24 column in-built thermal printer.
- Dimensions** : 32cm D x 15.5cm W x 30.5cm H ; Weight - 5.8 kgs.
- Operating System** : Android.

Technical Specifications -

- **Measured Parameters:** pH, pCO₂, pO₂, Hct, Na, K, iCa, Li, Cl.
- **Calculated Parameters:** SO₂%, Hb, HCO₃, TCO₂, SBC, pO₂%, BE, BE-B, BE-ECF, AG(Na), AG(K), AaDO₂, α/A, O₂Ct.
- Quality Control program with Levey-Jennings.
- Excellent precision and reliability.
- Smart compact Reagent Pack with RFID.
- Numeric & alpha numeric input option with 15 digit operator & patient ID.
- Peripheral Options: External barcode scanner, mouse & keypad interfacing option.
- Sample probe with self wiping.
- Power Input: 100/112-V AC, 50-60 Hz or 220V AC, 50-60 Hz, 0.75 amp.
- Communication ports: Two USB, LIS & Software upgradation.

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Service Centres :

- Jaipur ● Ludhiana ● Siliguri ● Port Blair ● Bhubaneswar
- Patna ● Dehradun ● Nagpur

Parameters	Linearity	CV%
Na	20.0 - 250.0 mmol/L	< 1.0%
K	0.20 - 40.0 mmol/L	< 2.0%
Cl	25.0 - 200.0 mmol/L	< 1.0%
iCa	1.0 - 20.0 mg/dL	< 2.0%
Li	0.2 - 5 mmol/L	< 2.0%
pH	6 - 8	± 0.03
pO ₂	10 - 750 mmHg	< 3.0%
pCO ₂	5 - 120 mmHg	< 3.0%
Hct	10 - 70 %	< 3.0%