



Blood Gas Test Cartridge

CE NMPA



Strengths



Multi-parameter cartridge(34 detectable parameters)

10 measured parameters: K,Na*,Cl,iCa²⁺,pH,pCO₂ ,pO₂ ,Glu,Lac,Hct

24 calculated parameters: cH+(T)、 pH(T)、 pCO₂ (T)、 pO₂ (T)、 pO₂ (A-a)(T)、 pO₂ (a/A)(T)、 RI(T)、 pO₂ (T)/FiO₂ 、 cH+、 iCa²⁺(7.4)、 HCO₃-act、 HCO₃-std、 BE(B)、 BB(B)、 AG、 sO₂ (est)、 tHb(est)、 TCO₂ 、 pO₂ (A-a)、 pO₂ (a-A)、 RI、 mOsm、 pO₂/FiO₂



Sophisticated Industrial Design

High performance sensors

Microfluidic technology and integrated flow control system

Unique sample quantification design to precisely control sample volume



POCT Highly Cost-effective and Environmentally Friendly

Rapid analysis of blood (venous/arterial)without sample processing

Single-use cartridge to avoid waste and cross-contamination



Accurate

Automatic calibration upon each test to ensure accurate results

Specifications

Parameter	Accuracy	Range	Precision
K+	±3.0%	2.0-9.0 mmol/L	≤1.5%
Na+	±3.0%	100-180 mmol/L	≤1.5%
Cl	±3.0%	65-140 mmol/L	≤1.5%
iCa ²⁺	≥1.00 mmol/L,±5.0%; <1.00 mmol/L,±0.05 mmol/L	0.25-2.50 mmol/L	≤1.5%
pH	±0.04	6.500-8.000	≤0.02

Parameter	Accuracy	Range	Precision
pCO ₂	≥62.0mmHg,±8.0%; <62.0mmHg,±5.0 mmHg	10.0-150.0 mmHg	≥62.0mmHg,CV≤4.0% <62.0mmHg,SD≤2.5 mmHg
pO ₂	≥50mmHg,±15.0%; <50mmHg,±7.5 mmHg	10-700 mmHg	≤5.0%
Glu	≥4.0 mmol/L,±10.0%; <4.0 mmol/L,±0.4 mmol/L	1.1-38.0 mmol/L	≥4.0 mmol/L,CV≤5.0%; <4.0 mmol/L,SD≤0.2 mmol/L
Lac	≥5.00 mmol/L,±12.0%; <5.00 mmol/L,±0.6 mmol/L	0.50-20.00 mmol/L	≥5.00 mmol/L,CV≤6.0%; <5.00 mmol/L,SD≤0.3 mmol/L
Hct	≥50%PCV,±6.0%; <50%PCV,±3%PCV	10%-70%PCV	≥50%PCV,CV≤3%; <50%PCV,SD≤1.5%PCV



Heyer Biotech GmbH

Carl-Heyer-Str. 1/3, 56130 Bad Ems, Germany

sales@heyarmed.com

www.heyerbiotech.de