QC 623

INTENDED USE

RNA Medical® Brand **QC 623** Blood Gas • Electrolyte Control is an assayed quality control material used for monitoring the performance of blood gas and electrolyte instrumentation. It may be used on multiple test analyzers (such as the Siemens® 800 Series, Radiometer 500, 600 or 800 Series) or any of the blood gas and electrolyte testing systems listed on the back page. **QC 623** is also for use on ITC® IRMA TruPoint® and i-SENS® i-SMART® Analyzers.

PRODUCT DESCRIPTION

QC 623 is a buffered aqueous solution containing electrolytes. It has been equilibrated with specific levels of oxygen, carbon dioxide, and nitrogen. This product contains no preservatives and no biological materials.

QC 623 is provided in convenient, ready-to-use ampuls containing 2.5 mL of solution. It is available in three (3) levels for monitoring pH, pCO_2 , pO_2 , Na^+ , K^+ , Cl^- , and Ca^{++} at varying points within the clinical range. A fourth level is provided for elevated pO_2 monitoring. Ampuls are packaged in single level boxes (30 ampuls of the same level) or multi-level boxes (10 ampuls each of levels 1, 2, and 3).

STORAGE AND SHELF LIFE

Levels 1, 2, and 3 have a shelf life of forty-eight (48) months from the date of manufacture. Level 4 has a shelf life of thirty-six (36) months. All levels of QC 623 require room temperature (up to 25 °C) storage. This product should be protected from freezing and exposure to temperatures greater than 30 °C.

CONTROL VALUES AND ANALYTES

Lot specific values are provided with each box of controls. The typical target values for QC 623 are as follows:

Analyte	Level 1	Level 2	Level 3	Level 4
рН	7.15	7.40	7.61	7.40
pCO ₂ (mmHg)	66	42	22	42
pO_2 (mmHg)	60	102	140	280
Na+ (mmol/L)	114	134	160	134
K ⁺ (mmol/L)	2.0	4.4	6.2	4.4
Cl- (mmol/L)	84	101	132	101
Ca ⁺⁺ (mmol/L)	1.50	1.10	0.50	1.10

QC 623 SPECIFICATIONS

Packaging: 2.5 mL per ampul, 30 ampuls per box.

Storage: Room temperature (up to 25 °C).

Shelf Life: 48 months from date of manufacture for

levels 1, 2, and 3 (36 months for level 4).

Matrix: Buffered aqueous solution.

Analytes: pH, pCO₂, pO₂, Na⁺, K⁺, Cl⁻, Ca⁺⁺.

PEERQC® STATISTICAL ANALYSIS

RNA has been providing peer statistics for over twenty years and, in 1999, was the first to introduce on-line data submission and reporting in real-time.

PeerQC is provided free of charge for use with RNA quality control products and features:

- Data submission and reporting via the RNA Medical website (www.RNAMedical.com)
- Real-time generation of monthly and peer comparison reports
- Patented error prevention technology to ensure peer group integrity
- Ability to add, edit, or print data submitted in prior months
- Automatic unit conversion for alternate unit submittals
- Web interface supporting multiple languages

ORDERING INFORMATION

RNA Medical can reserve a single lot of control for up to twelve (12) months. Pending availability and shelf life, additional sequestration may be possible. Automatic shipments may be arranged from a standing order on a predetermined frequency.

Please specify these catalog numbers when ordering RNA Medical QC 623 Controls.

Catalog number: QC 623-1 (Level 1)

QC 623-2 (Level 2) QC 623-3 (Level 3) QC 623 (Multi-level)

QC 623-4 (Level 4 with elevated pO_2)

ADDITIONAL PRODUCTS

RNA Medical offers a full line of blood gas and CO-Oximetry controls, calibration verification materials, capillary blood collection tubes, and quality control materials for various point-of-care tests. For further information about QC 623 or any other RNA Medical product, please call us or visit our website at: www.RNAMedical.com.

RNA Medical is a registered trademark and PeerQC is a registered service mark of Bionostics, Inc., Devens, MA, USA. Siemens is a registered trademark of Siemens Aktiengesellschaft FED REP GERMANY Wittelsbacherplatz 2 80333 München FED REP GERMANY. ITC, and IRMA TRUpoint are registered trademarks of International Technidyne Corporation, Edison, NJ, USA. i-SENS and i-SMART are registered trademarks of i-SENS, Inc. CORPORATION REPUBLIC OF KOREA 465-6, Wolgye 4-dong, Nowon-gu Seoul REPUBLIC OF KOREA 139-845.



INSTRUMENT REFERENCE CHART

QC 623 Blood Gas • Electrolyte Control

QC 623

AADEE AADEE ZEN AADEE ZEN SPI SE AADEE RUMI BG AADEE RUMI BG AADEE RUMI MINI ISE SYSTEM 2000 pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** SYSTEM 2000 pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** II II II I330 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** IEFMS* SYSTEM 2000 pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** II I330 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** CEM Premier* 3000 Series pH, pCO ₂ , pO ₃ , Na*, K*, CI*, Ca** ISENS* ISSMAT* Na*, K*, CI* ITC IRMA® and IRMA TRUpoint® pH, pCO ₂ , pO ₂ , pO ₃ , Na*, K*, CI, Ca** MEDICA EasyStat® pH, pCO ₂ , pO ₂ , Na*, K*, CI, Ca** NOVA CCX pH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** PHOX® pHOX® pHOX® pHOX® pH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** NOVA CCX pH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** ABI 50, So0 Series pH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** ABI 50, So0 Series pH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₂ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** ABI 700 Series pH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ , pO ₃ , Na*, K*, CI, Ca** PH, pCO ₃ ,	MANUFACTURER AND MODEL	ANALYTES REPORTED BY INSTRUMENT IN QC 823
AADEE ZEN SE	AADFF	•
AADEE ZEN ISE		pH pCO_2 pO_3
AADEE RUMI BG AADEE RUMI MINI ISE BSCHWEILER System 3000 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ System 3000 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ IL I300 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Ca ⁺⁺ CEM Premier 4000 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Ca ⁺⁺ CEM Premier 4000 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Ca ⁺⁺ CEM Premier 4000 Synthesis Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ISHNS® ISHNS® ISHNS® ISHNA® and IRMA TRUpoint® PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ MEDICA EasyBloodGas pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ MEDICA EasyBloodGas pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ NOVA CCX pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ NOVA CX pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ Stat Profile® Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ RADIOMETER ABI 5 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ABI 50, 500 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ABI 50, Soo Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ABI 700 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ABI 700 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ABI 700 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ABI 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ABI 903 SERIEMENS® BYH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ AVI 983 SIEMENS® BYH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ ANO Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl, Ca ⁺⁺		
ADDER RUMI MINI ISE Na*, K*, ČÍ*, Ča**		
SSYSTEM 2000 PH, pCO ₂ , pO ₂ , Na', K', Ca'' SysTem 2000 PH, pCO ₂ , pO ₂ , Na', K', Ca'' PH, pCO ₂ , pO ₂ , Na', K', Ca'' PH, pCO ₂ , pO ₂ , Na', K', Ca'' PH, pCO ₂ , pO ₂ , Na', K', Ca'' PH, pCO ₂ , pO ₂ , Na', K', Ca'' PH, pCO ₂ , pO ₂ , Na', K', Ca'' PH, pCO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₂ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₂ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₂ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₂ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₃ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₃ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₃ , pO ₃ , pO ₃ , Na', K', Cl, Ca'' PH, pCO ₃ , pO		
System 2000 pH, pCO ₂ , pO ₂ , Na', K', Ca'' pH, pCO ₂ , pO ₂ , Na', K', Ca'' pH, pCO ₂ , pO ₂ , Na', K', Ca'' pH, pCO ₂ , pO ₂ , Na', K', Ca'' pH, pCO ₂ , pO ₂ , Na', K', Ca'' pH, pCO ₂ , pO ₂ , Na', K', Ca'' pH, pCO ₂ , pO ₂ , Na', K', Ca'' pH, pCO ₂ , pO ₂ , Na', K', Cl		, ta / tt / e., / ea
System 3000 pH, pCO₂, pO₂, Na¹, K⁺, Cl, Ca⁻¹ II II II II II II II		nH nCO, nO, Na+ K+ Ca++
IL 1300 Series CEM® Premier™ 3000 Series pH, pCO₂, pO₂, Na⁻, K⁻, Ca⁻¹ CEM® Premier 4000 pH, pCO₂, pO₂, Na⁻, K⁻, Ca⁻¹ Synthesis™ Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ series i-Sens™ i-Sens™ Na⁻, K⁻, Cl IRM® and IRMA TRUpoint® pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ IRM® and IRMA TRUpoint® pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ MEDICA EasyBloodGas pH, pCO₂, pO₂ EasyStat® pH, pCO₂, pO₂, Na⁻, K⁻, Ca⁻¹ NOVA CCX pH, pCO₂, pO₂, Na⁻, K⁻, Ca⁻¹ pHO∞ pH, pCO₂, pO₂, Na⁻, K⁻, Ca⁻¹ stat Profile® Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ stat Profile® Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 80 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ ABL 700 Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ NPT 7 pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ NPT 7 pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ NPT 8 ROCHE Cobas® b 121 pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ Roche OMNI® Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ Roche OMNI® Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹ pH, pCO₂, pO₂, Na⁻, K⁻, Cl, C		
Jaso Series	•	$\rho(1, \rho \in \mathcal{O}_2, \rho \mathcal{O}_2, \mathcal{A}_1, \mathcal{K}_1, \mathcal{C}_1, \mathcal{C}_2)$
GEM Premier* 3000 Series GEM Premier* 3000 Series GEM Premier 4000 Synthesis* Series i-SENS* i		n
GEM Premier 4000 Synthesis™ Series Synthesis™ Series i-SENS® i-Smart® Na¹, K¹, Cl ITC IRMA® and IRMA TRUpoint® PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ EasyBloodGas EasyBloodGas EasyStat® PH, pCO₂, pO₂ EasyStat® Na¹, K¹, Cl, Ca¹¹ NOVA CCX PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ Stat Profile® Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ Stat Profile® Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ Stat Profile® Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ Stat Profile® Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ Stat Profile® Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ ABL 5 ABL 5 ABL 5 ABL 50, 500 Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ ABL 700 Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ ABL 700 Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ ABL 800 Series PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ PH, pCO₂, pO₂ ROCHE Cobas® b 121 PH, pCO₂, pO₂, Na¹, K¹, Cl, Ca¹¹ PH, pCO₂		
Synthesis Series		
isens® i-Smart® Na*, K*, Ct ITC RMA® and IRMA TRUpoint® pH, pCO2, pO2, Na*, K*, Ct, Ca** MEDICA EasyBloodGas pH, pCO2, pO2, pO2, Na*, K*, Ca** NOVA CCX pH, pCO2, pO2, Na*, K*, Ct, Ca** RADIOMETER ABL 5 pH, pCO2, pO2, Na*, K*, Ct, Ca** ABL 50, 500 Series pH, pCO2, pO2, Na*, K*, Ct, Ca** ABL 50, Solo Series pH, pCO2, pO2, Na*, K*, Ct, Ca** ABL 700 Series pH, pCO2, pO2, Na*, K*, Ct, Ca** ABL 700 Series pH, pCO2, pO2, Na*, K*, Ct, Ca** ABL 77, 80 Series pH, pCO2, pO2, Na*, K*, Ct, Ca** ABL 800 Series pH, pCO2, pO2, Na*, K*, Ct, Ca** NPT 7 pH, pCO2, pO2, Na*, K*, Ct, Ca** NPT 8 pH, pCO2, pO2, Na*, K*, Ct, Ca** NPT 9 pH, pCO2, pO2, Na*, K*, Ct, Ca** NPT 9 pH, pCO2, pO2, Na*, K*, Ct, Ca** NPT 0 pH, pCO2, pO2, Na		
F.Smart® Na*, K*, Cl* ITC IRMA® and IRMA TRUpoint® pH, pCO2, pO2, Na*, K*, Cl*, Ca** MEDICA EasySloodGas pH, pCO2, pO2 Na*, K*, Ca** NOVA EasyStat® pH, pCO2, pO2, Na*, K*, Cl*, Ca** NOVA CCX pH, pCO2, pO2, Na*, K*, Cl*, Ca** Stat Profile® Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** RADIOMETER ABL® 5 pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL® 5 pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL® 5 pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 77, 80 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 78 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 7 pH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 7 pH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 8 ROD Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 9 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 1 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 2 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 3 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 4 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 5 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 6 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 6 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 7 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 8 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 8 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 8 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 8 PH, pCO2, pO2, Na*, K*, Cl*, Ca** NP1 9 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP1 8 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP2 9 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 9 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 9 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca** NP3 1 PH, PCO2, PO2, Na*, K*, Cl*, Ca**		ρ 11, ρ CO ₂ , ρ O ₂ , Na , N , C1, Ca
ITC IRMA® and IRMA TRUpoint® pH, pCO₂, pO₂, Na*, K*, Ct, Ca** MEDICA EasyBloodGas pH, pCO₂, pO₂ EasyStat® pH, pCO₂, pO₂, Na*, K*, Ca** NOVA CCX pHOx® pH, pCO₂, pO₂, Na*, K*, Ct, Ca** pHOx® pH, pCO₂, pO₂, Na*, K*, Ct, Ca** Stat Profile® Series pH, pCO₂, pO₂, Na*, K*, Ct, Ca** RADIOMETER ABL® 5 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** ABL 50, 500 Series pH, pCO₂, pO₂, Na*, K*, Ct, Ca** ABL 700 Series pH, pCO₂, pO₂, Na*, K*, Ct, Ca** ABL 700 Series pH, pCO₂, pO₂, Na*, K*, Ct, Ca** ABL 700 Series pH, pCO₂, pO₂, Na*, K*, Ct, Ca** ABL 700 Series pH, pCO₂, pO₂, Na*, K*, Ct, Ca** ABL 77, 80 Series pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 7 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 7 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 7 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 8 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂, Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂, pO₂ Na*, K*, Ct, Ca** NPT 9 pH, pCO₂ Na*, K*, Ct, Ca** NA*, Ct, Ca*	i-Smart [®]	Na ⁺ K ⁺ Cl ⁻
IRMA® and IRMA TRUpoint®		114 / 11 / 01
MEDICA EasyBloodGas pH, pCO₂, pO₂ pO₂ EasyStat® pH, pCO₂, pO₂, Na⁻, K⁻, Ca⁻¹⁻ NOVA pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ CX pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ pHOx® pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ Stat Profile® Series pH, pCO₂, pO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ RADIOMETER PH, pCO₂, pO₂ ABL 50, 500 Series pH, pCO₂, pO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ ABL 600 Series pH, pCO₂, pO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ ABL 77, 80 Series pH, pCO₂, pO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ ABL 800 Series pH, pCO₂, pO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ NPT 7 pH, pCO₂, pO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ ROCHE Cobas b 221 Cobas b 221 pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ Roche OMNI® Series pH, pCO₂, pO₂, Na⁻, K⁻, Cl, Ca⁻¹⁻ AVL® 983 Na⁻, K⁻, Cl SIEMENS® (BAYER®) PH, pCO₂, pO₂ 238 pH, pCO₂, pO₂ 400 Series pH, pCO₂, pO₂ 500 Series pH, pCO₂, pO₂ 600 Series pH, pCO₂, pO₂ 600 Series pH, pCO₂, pO₂ RapidPoint® 340 pH, pCO₂, pO₂	_	nH nCO nO No+ K+ Cl- Co++
EasyBloodGas pH, pCO ₂ , pO ₂ EasyStat® pH, pCO ₂ , pO ₂ , Na*, K*, Ca** NOVA CCX pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** Stat Profile® Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** RADIOMETER ABL® 5 ABL® 5 ABL® 5 ABL® 50, 500 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 77, 80 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 808 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 9 AVL® 983 Na*, K*, Cl* 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** RapidPoint® 340 RapidPoint® 340 RapidPoint® 350 PH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** VIA MEDICAL VIA	-	$\rho\Pi$, ρCO_2 , ρO_2 , Na , K , CI, Ca
EasyStat® pH, pCO ₂ , pO ₂ , Na*, K*, Ca** NOVA CCX pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** Stat Profile® Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** RADIOMETER ABL 50, 500 Series pH, pCO ₂ , pO ₂ ABL 50, 500 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 600 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 77, 80 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , pO ₃ , Na*, K*, Cl*, Ca** NPT 8 Cobas® b 121 pH, pCO ₂ , pO ₂ , pO ₃ , Na*, K*, Cl*, Ca** NPT 983 Na*, K*, Cl* SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ , pO ₃ , Na*, K*, Cl*, Ca** Na*, Cl*		nH nCO_{α} nO_{α}
NOVA CCX pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** pHOv® pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** Stat Profile® Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** RADIOMETER ABL 5 ABL 50, 500 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** ABL 600 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** NPT 8 ROCHE Cobas® b 121 pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** Roche OMNI® Series pH, pCO ₂ , pO ₂ , pO ₃ , Na*, K*, CI*, Ca** NVL® 983 SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ 248 pH, pCO ₂ , pO ₂ 249 400 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** 1200 Series pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** RapidPoint® 340 pH, pCO ₂ , pO ₂ RapidPoint® 350 pH, pCO ₂ , pO ₂ PA*, K*, CI*, Ca** VIA MEDICAL VIA VA-BAG PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** pH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca** PH, pCO ₂ , pO ₂ , Na*, K*, CI*, Ca**		
CCX	•	ρ 11, ρ CO ₂ , ρ O ₂ , 1 α , κ , Ca
pHOx® pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** Stat Profile® Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** RADIOMETER ABL® 5 pH, pCO ₂ , pO ₂ ABL 50, 500 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 600 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 8 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 9 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 9 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 8 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 9 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca*		n n n N n N n N n N n n
Stat Profile® Series PH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 50, 500 Series pH, pCO2, pO2, Na*, K*, Ca** ABL 600 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 77, 80 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 800 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** ABL 800 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** NPT 7 pH, pCO2, pO2, Na*, K*, Cl*, Ca** NPT 7 pH, pCO2, pO2, Na*, K*, Cl*, Ca** ROCHE Cobas® b 121 Cobas® b 121 pH, pCO2, pO2, Na*, K*, Cl*, Ca** Roche OMNI® Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** AVL® 983 Na*, K*, Cl* SIEMENS® (BAYER®) SIEMENS® (BAYER®) 238 pH, pCO2, pO2 400 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** 800 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** 800 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** 1200 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** 1200 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** 1200 Series pH, pCO2, pO2, Na*, K*, Cl*, Ca** 1200 Series		
RADIOMETER ABL® 5 ABL 50, 500 Series ABL 600 Series ABL 600 Series ABL 700 Series ABL 77, 80 Series ABL 800 SE		
ABL® 5 ABL 50, 500 Series ABL 50, 500 Series ABL 600 Series ABL 600 Series ABL 700 Series ABL 77, 80 Series ABL 800 Series ABL		ρ 11, ρ CO ₂ , ρ O ₂ , \uparrow Na , \uparrow C1, Ca
ABL 50, 500 Series pH, pCO ₂ , pO ₂ , Na*, K*, Ca** ABL 600 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 700 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 77, 80 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ABL 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** NPT 7 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** ROCHE Cobas® b 121 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** Roche OMNI® Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** AVL® 983 Na*, K*, Cl* SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ 248 pH, pCO ₂ , pO ₂ 240 Series pH, pCO ₂ , pO ₂ 240 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** 800 Series pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** 1200 Series pH, Na*, K*, Cl*, Ca** RapidPoint® 340 RapidPoint 350 pH, pCO ₂ , pO ₂ , Na*, K*, Cl*, Ca** VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na*, K*		-IICOO
ABL 600 Series ABL 700 Series ABL 700 Series ABL 77, 80 Series ABL 800 Series ABL 80 Series AB		
ABL 700 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ ABL 77, 80 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ ABL 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ NPT 7 pH, pCO ₂ , pO ₂ ROCHE Cobas® b 121 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Cobas b 221 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Roche OMNI® Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ AVL® 983 Na ⁺ , K ⁺ , Cl ⁻ SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ 248 pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 600 Series pH, Na ⁻ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺	,	
ABL 77, 80 Series ABL 800 Series ABL		
ABL 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ pH, pCO ₂ , pO ₂ ROCHE Cobas® b 121 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Roche OMNI® Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ AVL® 983 Na ⁺ , K ⁺ , Cl ⁻ SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ 248 pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ PH, pCO ₂ , pO ₂ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
NPT 7		
ROCHE Cobas® b 121 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Roche OMNI® Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Rothe OMNI® Series AVL® 983 SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
Cobas® b 121 Cobas b 221 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Roche OMNI® Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Na ⁺ , K ⁺ , Cl ⁻ SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 RapidPoint® 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		ρ 11, ρ CO ₂ , ρ O ₂
Cobas b 221 Roche OMNI® Series AVL® 983 SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ Avb, pCO ₂ , pO ₂ Avb, pCO ₂ pO ₂ Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Boo Series pH, pCO ₂ pO ₂ Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ Coo Series pH, pCO ₂ pO ₂ pH, pCO ₂ pO ₂ pH, pCO ₂ pO ₂ RapidPoint® 340 pH, pCO ₂ pO ₂ RapidPoint 350 pH, pCO ₂ pO ₂ Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ pO ₂ Na ⁺ , K ⁺		
Roche OMNI® Series AVL® 983 SIEMENS® (BAYER®) 238 248 pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 600 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
AVL® 983 SIEMENS® (BAYER®) 238 pH, pCO ₂ , pO ₂ 248 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 600 Series pH, Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG PH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
SIEMENS® (BAYER®) 238 pH, pCO2, pO2 248 pH, pCO2, pO2, Na+, K+, Cl-, Ca++ 800 Series pH, pCO2, pO2, Na+, K+, Cl-, Ca++ 600 Series pH, Na+, K+, Cl-, Ca++ 1200 Series pH, pCO2, pO2, Na+, K+, Cl-, Ca++ RapidPoint® 340 pH, pCO2, pO2 RapidPoint 350 pH, pCO2, pO2, Na+, K+, Cl-, Ca++ VIA MEDICAL VIA V-ABG		
238 pH, pCO ₂ , pO ₂ 248 pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 600 Series pH, Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		Na', K', Cl'
248 pH, pCO ₂ , pO ₂ 400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 600 Series pH, Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺	SIEMENS® (BAYER®)	
400 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 600 Series pH, Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
800 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 600 Series pH, Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
600 Series pH, Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ 1200 Series pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ RapidPoint® 340 pH, pCO ₂ , pO ₂ RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
1200 Series $pH, pCO_2, pO_2, Na^+, K^+, Cl^-, Ca^{++}$ RapidPoint® 340 pH, pCO_2, pO_2 RapidPoint 350 $pH, pCO_2, pO_2, Na^+, K^+, Cl^-, Ca^{++}$ VIA MEDICAL VIA V-ABG $pH, pCO_2, pO_2, Na^+, K^+$		
RapidPoint® 340 pH, pCO_2 , pO_2 RapidPoint 350 pH, pCO_2 , pO_2 , Na $^+$, K $^+$, Cl $^-$, Ca $^{++}$ VIA MEDICAL VIA V-ABG pH, pCO_2 , pO_2 , Na $^+$, K $^+$		
RapidPoint 350 pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
VIA MEDICAL VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺		
VIA V-ABG pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺	•	$p\Pi$, pCO_2 , pO_2 , Na^+ , K^+ , CI , Ca^{++}
VIA V-LVM $pH, pCO_2, pO_2, Na^+, K^+$		
	VIA V-LVM	pH, pCO_2 , pO_2 , Na $^+$, K $^+$

Synthesis and Premier are trademarks and GEM is a registered trademark of Instrumentation Laboratory, Bedford, MA, USA. I-SENS and I-SMART are registered trademarks of I-SENS, Inc., Corporation Republic of Korea, 465-6, Wolgye 4-dong, Nowon-gu Seoul, Republic of Korea 139-845. IRMA and IRMA TRUpoint are registered trademarks of International Technidyne Corporation, Edison, NJ, USA. EasyStat is a registered trademark of Medica Corporation, Bedford, MA, USA. Stat Profile and pHOx are registered trademarks of Nova Biomedical Corporation, Waltham, MA, USA. ABL is a registered trademark of Roche Diagnostics Operations, Inc., Indianapolis, IN, USA. Roche DMIN is a registered trademark of Roche Diagnostics Operations, Inc., Indianapolis, IN, USA. Roche DMIN is a registered trademark of Roche Diagnostics operations, Inc., Indianapolis, IN, USA. Roche DMIN is a registered trademark of Roche Diagnostics operations, Inc., Indianapolis, IN, USA. Roche DMIN is a registered trademark of Roche Diagnostics Operation, Sements is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operations, Inc., Indianapolis, IN, USA. Roche DMIN is a registered trademark of Roche Diagnostics operation. Ponnark. AVL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operation. Ponnark. AVL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics operation. Bedford, MA, USA. ABL is a registered trademark of Roche Diagnostics of Roche Diag

