



## PRODUCT LIST

- 01 BLOOD GAS
- 02 ELECTROLYTE (ISE)
- 03 CHEMISTRY (ISE)
- 04 QUALITY CONTROLS
- 05 ELECTRODES



## Our Company

Phoenix Diagnostics is a premier alternative manufacturer of consumables for Blood Gas, Electrolyte, Co-Oximetry and Chemistry analyzers worldwide. Over thirty years of experience within the in vitro diagnostics industry has enabled our staff to engineer a technologically sophisticated product line of replacement reagents, calibrators, quality controls, and electrodes with extensive instrument coverage and analyte breadth.

Through exceptionally competitive pricing arrangements, we can offer remarkable value to customers in search of quality-engineered consumables that deliver superior performance and reliability. Our instrument coverage presently encompasses over 100 different analyzers from prominent manufacturers such as:

Bayer Diagnostics (Ciba-Corning / Chiron)  
Beckman Coulter  
Instrumentation Laboratories  
Medica Corporation  
Roche Diagnostics (Cobas / Hitachi / AVL)

Dade Behring (Dupont)  
Alfa Wasserman  
Radiometer  
Idexx Laboratories  
Olympus

Our position of neutrality vis à vis the original instrument manufacturers, makes us the trusted international choice of hospitals, clinical laboratories, and regional distributors worldwide.

## Market Presence

Over the last 15 years, Phoenix Diagnostics has attained market presence in over 40 different countries worldwide through our extensive international dealer network. These negotiated business relationships currently allow us to sell our consumables throughout Latin America, Europe, Asia, and the Middle East. Since we manufacture over 90% of our product line in-house, we are uniquely equipped to address technical questions and customer inquiries regarding the items we engineer and market abroad.

## Mission Statement

To consistently supply our customers with cost-effective, quality-engineered in vitro diagnostics materials, without sacrificing service, speed or reliability.

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# Blood Gas & Compact series

Roche/ AVL 900

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	Roche Pkg
<b>Calibrators &amp; Reagents</b>					
05-001	BP1036	7.383 Buffer, Type 1 Solution	940,945,990,995,995HB, Compact 2 & 3	3x90mL	3x90mL
05-002	BP1037	6.841 Buffer, Type 2 Solution	940,945,990,995,995HB, Compact 2 & 3	3x90mL	3x90mL
05-003	BP1034	pH Reference Solution	940,945,990,995,995HB, Compact 2 & 3	3x90mL	3x90mL
05-004	BP9076	Rinse Additive Solution	940,945,990,995,995HB, Compact 2 & 3	50x1mL	50x1mL
05-005	BP1025	Cleaning Solution A	940,945,990,995,995HB, Compact 2 & 3	100mL	100mL
05-009	BP1579	Blood Gas Calibrator	Compact 1	30x2mL	30x2mL
05-010	Bp1360	tHb Calibrator	912,995	10x2mL	5x1.5mL
<b>Quality Controls</b>					
1004 Ph5001	HC9027-30 -----	Tri-Level Blood Gas Control Protein BG / ISE Linearity Control	All AVL Blood Gas Analyzers All AVL Blood Gas Analyzer	3x10x2ml 5x3x2ml	30x1.7mL -----



Phoenix Cat. No.	OEM Cat. No.	Description	Model
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### Calibrators & Reagents

03-210	473961	CalPack 238	238	4/Pack	4/Pack
03-211	473692	Slope Solution 238	238	50x2mL	50x2mL
03-220	473496	Buffer Pair 248	248	4/Pack	4/Pack
03-221	473497	Wash/CD Pack 248	248	4/Pack	4/Pack
03-223	104227	Buffer Pack 348	348	4/Pack	4/Pack
03-224	104226	Wash/CD Pack 348	348	4/Pack	4/Pack
03-117	478701	Conditioning Kit	238,248,348	30mL	5x2mL
03-212	473752	Humidifier Fill Solution	238	2/Pack	2/Pack
03-215	478700	Deproteinizer Kit	238,248,348	30mL	5x1mL
03-332	105670	Hct Slope	348	10x2mL	10x2mL



Phoenix Cat. No.	OEM Cat. No.	Description
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### Electrodes & Accessory Solutions

E-100	476267	pHElectrode	238,248,348	Each	Each
E-101	476247	pCO <sub>2</sub> Electrode	238,248,348	Each	Each
E-102	476246	pO <sub>2</sub> Electrode	238,248,348	Each	Each
E-110	476273	Reference Electrode	238,248,348	Each	Each
E-120	478498	Reference Cassette	238,248,348	Each	Each
E-130	478509	Reference Inner Element	238,248,348	Each	Each
E-140	476266	Na <sup>+</sup> Electrode	348	Each	Each
E-150	476270	K <sup>+</sup> Electrode	348	Each	Each
E-160	476279	Cl <sup>-</sup> Electrode	348	Each	Each
E-170	476268	Ca <sup>++</sup> Electrode	348	Each	Each
3-227	478822	Reference Fill Solution	238,248,348	5x4mL	4x5mL
3-228	478535	ISE Electrode Fill Solution	238,248,348	4x2mL	3x3mL
3-229	478533	pH Fill Solution	238,248,348	4x2mL	3x3mL

### Quality Controls

1004	478941,2,3	Tri-Level Blood Gas Control	238,248	3x10x2mL	30x2.5mL
1009	108860,8,9	Tri-Level Protein Blood Gas/ISE Control	238,248,348	3x10x2mL	30x2.5mL
PH5001	116189	Protein BG / ISE Linearity Control	238,248,348	5x3x2mL	5x4x2.5mL
3-330	S70405	Hct QC Level A	348, Rapid Point 400	30x2mL	30x2mL
3-331	S70406	Hct QC Level B	348, Rapid Point 400	30x2mL	30x2mL
1005	-----	Elevated pO <sub>2</sub>	238,248,348	15x2mL	-----



# BLOOD GAS



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators &amp; Reagents</b>					
03-800	473385	7.3/CO-ox Zero	840,845,850,855,860,865	6/Pack	6/Pack
03-801	473386	6.838 Buffer	840,845,850,855,860,865	6/Pack	6/Pack
03-802	473387	Wash Zero Reagent	840,845,850,855,860,865	12/Pack	12/Pack
03-803	570096	Calibrator G/L Reagent	860,865	12/Pack	12/Pack
03-804	473120	CO-oximeter Slope	840,845,850,855,860,865	10x2mL	10x2mL
03-805	473389	Cleaning Solution C1/C2	840,845,850,855,860,865	6/Pack	6/Pack
03-806	570097	High G/L	860,865	10x3mL	10x3mL
03-117	473691	Conditioning Kit	840,845,850,855,860,865	30mL	5x2mL
03-215	105610	Deproteinizer Kit	840,845,850,855,860,865	30mL	10x2mL
<b>Electrodes &amp; Accessory Solutions</b>					
E-100	476267	pHElectrode	840,845,850,855,860,865	Each	Each
E-101	476247	pCO2 Electrode	840,845,850,855,860,865	Each	Each
E-102	476246	pO2 Electrode	840,845,850,855,860,865	Each	Each
E-110	476273	Reference Electrode	840,845,850,855,860,865	Each	Each
E-120	478498	Reference Cassette	840,845,850,855,860,865	Each	Each
E-130	478509	Reference Inner Element	840,845,850,855,860,865	Each	Each
E-140	476266	Na+ Electrode	850,855,860,865	Each	Each
E-150	476270	K+ Electrode	850,855,860,865	Each	Each
E-160	476279	Cl- Electrode	850,855,860,865	Each	Each
E-170	476268	Ca++ Electrode	850,855,860,865	Each	Each
03-227	478822	Reference Fill Solution	840,845,850,855,860,865	5x4mL	4x5mL
03-228	478535	ISE Electrode Fill Solution	850,855,860,865	4x2mL	3x3mL
03-229	478533	pH Fill Solution	840,845,850,855,860,865	4x2mL	3x3mL
<b>Quality Controls</b>					
1004	478941,2,3	Tri-Level Blood Gas Control	840,845	3x10x2mL	30x2.5mL
1009	108860,8,9	Tri-Level Protein Blood Gas / ISE Control	840,845,850,855,860,865	3x10x2mL	30x2.5mL
PH5001	116189	Protein BG / ISE Linearity Control	840,845,850,855,860,865	5x3x2mL	-----
1013	478611-13	Tri-Level Co-Ox Control	845,855,865	3x10x2mL	-----
PH5007	-----	Co-Ox Linearity Control	845,855,865	5x3x2mL	-----
1005	-----	Elevated pO2	840,845,850,855,860,865	15x2mL	-----





Phoenix Cat. No.	OEM Cat. No.	Description
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### Calibrators & Reagents

03-000	03336004	7.384 pH Calibration Buffer	1300, 1400 & 1600 Series	4x500mL	4x500mL
03-002	03106004	6.840 pH Calibration Buffer	1300, 1400 & 1600 Series	4x500mL	4x500mL
03-030	03335204	Flush Solution Kit	1300, 1400 & 1600 Series	4x500mL	4x500mL
03-062	09831804	Cal1 Solution	1300, 1400 & 1600 Series	4x500mL	4x500mL
03-063	09831904	Cal2 Solution	1300, 1400 & 1600 Series	4x500mL	4x500mL
03-064	09832004	Flush Solution w/Enzyme	1300, 1400 & 1600 Series	4x500mL	4x500mL

### Quality Controls

1004	09363000	Tri-Level Blood Gas Control	All I.L. Blood Gas Analyzers	3x10x2mL	50x1mL
1009	09834030	Tri-Level Protein BG/ISE Control	All I.L. Blood Gas / ISE Analyzers	3x10x2mL	50x2mL
PH5001	-----	Protein BG / ISE Linearity Control	All I.L. Blood Gas / ISE Analyzers	5x3x2mL	-----
1017	03316200	Tri-Level Co-Ox Control	All I.L. Co-Oximetry Analyzers	3x10x2mL	30x1.7mL
PH5003	-----	Co-Ox Linearity Control	All I.L. Co-Oximetry Analyzers	5x3x2mL	-----
1005	-----	Elevated pO2	All I.L. Blood Gas Analyzers	15x2mL	-----



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators &amp; Reagents</b>					
02-201	943795	Bottle #1 Cleaning Solution	All Radiometer 50 & 500 Series	140mL	140mL
02-202	943794	Bottle #2 Salt Bridge Solution	All Radiometer 50 & 500 Series	140mL	140mL
02-203	943791	Bottle #3 7.3 Cal Solution	All Radiometer 50 & 500 Series	140mL	140mL
02-204	943792	Bottle #4 6.8 Cal Solution	All Radiometer 50 & 500 Series	340mL	340mL
02-205	943793	Bottle #5 Rinse Solution	All Radiometer 50 & 500 Series	140mL	140mL
02-206	943835	Bottle #1 Cleaning Solution	505	140mL	140mL
02-207	943834	Bottle #2 Salt Bridge Solution	505	140mL	140mL
02-208	943831	Bottle #3 7.3 Cal Solution	505	140mL	140mL
02-209	943832	Bottle #4 6.8 Cal Solution	505	140mL	140mL
02-210	943833	Bottle #5 Rinse Solution	505	340mL	340mL
02-211	944028	Bottle #1 Cleaning Solution	555	140mL	140mL
02-212	944029	Bottle #2 Salt Bridge Solution	555	140mL	140mL
02-213	944030	Bottle #3 Calibration Solution 1	555	140mL	140mL
02-214	944031	Bottle #4 Calibration Solution 2	555	140mL	140mL
02-215	944032	Bottle #5 Rinse Solution	555	340mL	340mL
02-216	943955	Bottle #7 Cleaning Solution	All Radiometer 600 Series	140mL	140mL
02-217	943953	Bottle #8 Salt Bridge Solution	All Radiometer 600 Series	140mL	140mL
02-218	943959	Bottle #9 Cal 1 Solution (Non-Glu/Lac)	All Radiometer 600 Series	140mL	140mL
02-219	944015	Bottle #9 Cal 1 Solution (Glu/Lac)	All Radiometer 600 Series	140mL	140mL
02-220	943960	Bottle #10 Cal 2 Solution	All Radiometer 600 Series	140mL	140mL
02-221	943993	Bottle #11 Rinse Solution	All Radiometer 600 Series	340mL	340mL
02-222	943837	Cal 1 Solution	5	140mL	140mL
02-223	943839	Cal 2 Solution	5	140mL	140mL
02-224	944071	Rinse Solution	5	340mL	340mL
02-225	943906	Hypochlorite Solution	All Radiometer 500 & 600 Series	100mL	100mL
02-226	943905	Glass Electrode Cleaner Solution	All Radiometer 500 Series	100mL	100mL
03-084	943770	tHb Calibration Standard	510,520,610,620	10x2mL	6x2mL
<b>Quality Controls</b>					
1004	S2030,40,50	Tri-Level Blood Gas Ctrl	All Radiometer Blood Gas Analyzers	3x10x2ml	30x2ml
1009	S3630,40,50	Tri-Level Protein BG/ISE Ctrl	All Radiometer Blood Gas / ISE Analyzers	3x10x2ml	30x2ml
PH5001	-----	Protein BG / ISE Linearity Control	All Radiometer Blood Gas / ISE Analyzers	5x3x2mL	-----
1017	S5530,40,50	Tri-Level Co-Ox Control	All Radiometer Co-Oximetry Analyzers	3x10x2mL	30x2mL
PH5003	-----	Co-Ox Linearity Control	All Radiometer Co-Oximetry Analyzers	5x3x2mL	-----
1005	S2060	Elevated Po2	All Radiometer Co-Oximetry Analyzers	15x2mL	30x2mL

# ELECTROLYTE (ISE)

Alfa Wassermann  
StarLyte II and StarLyte III

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
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## Calibrators, Standards & Reagents

04-130	E1-8	ISE Reagent Pack	StarLyte III	Each	Each
04-001	E1-1	Standard A	StarLyte II	3x430mL	3x430mL
04-005	E1-2	Standard B	StarLyte II	3x90mL	3x90mL
04-014	E1-3	Reference Solution	StarLyte II	3x90mL	3x90mL

## Electrodes & Accessory Solutions

E-180	903393	Na+ Electrode	StarLyte II, StarLyte III	Each	Each
E-190	903394	K+ Electrode	StarLyte II, StarLyte III	Each	Each
E-200	906178	Cl- Electrode	StarLyte III	Each	Each
03-228	---	ISE Electrode Fill Solution	StarLyte II, StarLyte III	4x2mL	-----
15-181	E1-6	Na Conditioning Solution	StarLyte II, StarLyte III	125mL	100mL
15-182	E1-5	Cleaning Solution	StarLyte II, StarLyte III	125mL	100mL

## Quality Controls

1001P Ph5001	5I-22 ---	Tri-Level Protein ISE Control Protein ISE Linearity Control	StarLyte II, StarLyte III StarLyte II, StarLyte III	3x10x2mL 5x3x2mL	3x12x1mL -----
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Roche / AVL 980 Series

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
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## Calibrators, Standards, & Reagents

04-001	BP0936	Standard A	982, 983, 985	3x430mL	3x430mL
04-003	-----	Standard A	988	3x430mL	3x430mL
04-006	Bp1232	Standard A	984, 987	3x430mL	3x430mL
04-004	-----	Standard B	988	3x90mL	3x90mL
04-005	BP0042	Standard B	982, 983	3x90mL	3x90mL
04-007	BP1218	Standard B	984, 987	3x90mL	3x90mL
04-009	BP0937	Standard B	980, 985, 988-3/C1	3x90mL	3x90mL
04-010	BP0938	Standard C	985	3x90mL	3x90mL
04-014	Bp0095	Reference Solution	All AVL 980 Series	3x90mL	3x90mL

## Electrodes & Accessory Solutions

E-180	BP0413	Na+ Electrode	All AVL 980 Series	Each	Each
E-190	BP0359	K+ Electrode	All AVL 980 Series	Each	Each
E-200	BP0570	Cl- Electrode	983, 986, 988	Each	Each
E-210	BP0360	Ca++ Electrode	984, 987, 988	Each	Each
03-228	-----	ISE Electrode Fill Solution	All AVL 980 Series	4x2mL	-----
15-181	BP0380	Na Conditioning Solution	All AVL 980 Series	125mL	100mL
15-182	Bp1025	Cleaning Solution	All AVL 980 Series	125mL	100mL

## Quality Controls

1009 Ph5001	HC0033 ---	Tri-Level Protein ISE Control Protein BG / ISE Linearity Control	All AVL 980 Series All AVL 980 Series	3x10x2mL 5x3x2mL	3x12x1mL -----
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Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
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### Calibrators, Standards & Reagents

04-130	BP5016	ISE Reagent Pack	9120,9130	Each	Each
04-140	BP5032	ISE Reagent Pack	9140	Each	Each
04-180	Bp5186	ISE Reagent Pack	9180,9181	Each	Each

### Electrodes & Accessory Solutions

E-180	BP0413	Na+ Electrode	All AVL 9100 Series	Each	Each
E-181	BP5026	Reference Electrode	All AVL 9100 Series	Each	Each
E-181H	BP5019	Reference Housing	All AVL 9100 Series	Each	Each
E-190	BP0359	K+ Electrode	All AVL 9100 Series	Each	Each
E-200	BP0570	Cl- Electrode	9130,9180,9181	Each	Each
E-210	BP0360	Ca++ Electrode	9110,9180,9181	Each	Each
03-228	---	ISE Electrode Fill Solution	All AVL 9100 Series	4x2mL	---
15-181	BP0380	Na Conditioning Solution	All AVL 9100 Series	125mL	100mL
15-182	Bp1025	Cleaning Solution	All AVL 9100 Series	125mL	100mL

### Quality Controls

1001P Ph5001	HC0033 ---	Tri-Level Protein ISE Control Protein BG / ISE Linearity Control	All AVL 9100 Series All AVL 9100 Series	3x10x2mL 5x3x2mL	30x2mL ---
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Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators, Standards, &amp; Reagents</b>					
14-101	478541	CalPack 614	614	4/Pack	4/Pack
14-102	478548	CalPack 634	634	4/Pack	4/Pack
14-103	473510	CalPack 644	644	4/Pack	4/Pack
14-104	473605	CalPack 654	654	4/Pack	4/Pack
14-105	473606	Li Slope Standard	654	50x1mL	50x1mL
03-117	478701	Conditioning Kit	All Bayer 600 Series	10x2mL	5x2mL
03-215	105610	Deproteinizer Kit	All Bayer 600 Series	10x2mL	5x1mL
<b>Electrodes &amp; Accessory Solutions</b>					
E-100	476267	pH Electrode	634	Each	Each
E-110	476273	Reference Electrode	All Bayer 600 Series	Each	Each
E-120	478498	Reference Cassette	All Bayer 600 Series	Each	Each
E-130	478509	Reference Inner Element	All Bayer 600 Series	Each	Each
E-140	476266	Na+ Electrode	614,644,654,664	Each	Each
E-150	476270	K+ Electrode	614,644,654,664	Each	Each
E-160	476279	Cl- Electrode	644	Each	Each
E-170	476268	Ca++ Electrode	634	Each	Each
03-227	478822	Reference Fill Solution	All Bayer 600 Series	5x4mL	4x5mL
03-228	478535	ISE Electrode Fill Solution	All Bayer 600 Series	4x2mL	3x3mL
03-229	478533	pH Fill Solution	634	4x2mL	3x3mL
<b>Quality Controls</b>					
1009 Ph5001	108860,8,9 116189	Tri-Level Protein BG/ISE Control Protein BG/ISE Linearity Control	All Bayer 600 Series All Bayer 600 Series	3x10x2mL 5x3x2mL	30x2.5mL 5x4x2.5mL



# ELECTROLYTE (ISE)

Beckman Lablyte 800 Series

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators, Standards &amp; Reagents</b>					
04-001	443930	Standard A	800,810,830	3x430ml	3x430ml
04-006	443935	Standard A	820	3x430ml	3x430ml
04-005	443940	Standard B	800,810	3x90ml	3x90ml
04-007	443945	Standard B	820	3x90ml	3x90ml
04-009	443950	Standard B	830	3x90ml	3x90ml
04-010	443955	Standard C	830	3x90ml	3x90ml
04-014	443965	Reference Solution	All Lablyte 800 Series	3x90ml	3x90ml
<b>Electrodes &amp; Accessory Solutions</b>					
E-180	756461	Na+ Electrode	All Lablyte 800 Series	Each	Each
E-190	756462	K+ Electrode	All Lablyte 800 Series	Each	Each
E-200	756463	Cl- Electrode	810	Each	Each
E-210	756464	Ca++ Electrode	820	Each	Each
03-228	-----	ISE Electrode Fill Solution	All Lablyte 800 Series	4x2ml	-----
15-181	443970	Na Conditioning Solution	All Lablyte 800 Series	125ml	100ml
15-182	443980	Cleaning Solution	All Lablyte 800 Series	125ml	100ml
<b>Quality Controls</b>					
1001P	443985	Tri-Level Protein ISE Control	All Lablyte 800 Series	3x10x2ml	30x2.5ml
Ph5001	-----	Protein ISE Linearity Control	All Lablyte 800 Series	5x3x2ml	-----

Idexx Laboratories VetLyte Series

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators, Standards &amp; Reagents</b>					
04-130	606-1198	ISE Reagent Pack	VetLyte	Pack	Pack
<b>Electrodes &amp; Accessory Solutions</b>					
E-180	98-20633-00	Na+ Electrode	VetLyte	Each	Each
E-190	98-20634-00	K+ Electrode	VetLyte	Each	Each
E-200	98-20632-00	Cl- Electrode	VetLyte	Each	Each
03-228	-----	ISE Electrode Fill Solution	VetLyte	4x2ml	-----
15-181	606-1165	Na Conditioning Solution	VetLyte	125ml	100ml
15-182	606-1160	Cleaning Solution	VetLyte	125ml	100ml

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators, Standards, &amp; Reagents</b>					
19-005	2120,1,2,3	Universal Cal Pack (open)	(Na/K), (Na/K/Li), (Na/K/Cl), (Na/K/Cl/Li)	Pack	Pack
19-006	2123	Medica Cal Pack (snap pack)	Na/K/Ca/pH	Pack	Pack
19-006IL	-----	ILyte Cal Pack (snap pack)	(Na/K), (Na/K/Li), (Na/K/Cl), (Na/K/Cl/Li)	Pack	Pack
19-007	2120,1,2,3	Universal Cal Pack (snap pack)	(Na/K), (Na/K/Li), (Na/K/Cl), (Na/K/Cl/Li)	Pack	Pack
19-020	-----	Tubing Harness	All Medica ISE Series	Kit	-----
<b>Electrodes &amp; Accessory Solutions</b>					
E-220	2102	Na+ Electrode	All Medica ISE Series	Each	Each
E-230	2101	K+ Electrode	All Medica ISE Series	Each	Each
E-240	2113	Cl- Electrode	(Na/K/Cl), (Na/K/Cl/Li)	Each	Each
03-228	-----	ISE Electrode Fill Solution	All Medica ISE Series	4x2mL	-----
15-181	-----	Na Conditioning Solution	All Medica ISE Series	125mL	-----
15-182	-----	Cleaning Solution	All Medica ISE Series	125mL	-----
<b>Quality Controls</b>					
1001P	2815	Tri-Level Protein ISE Control	All Medica ISE Analyzers	3x10x2mL	-----
Ph5001	-----	Protein ISE Linearity Control	All Medica ISE Analyzers	5x3x2mL	-----



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
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**Calibrators & Reagents**

44-3325	472095	Electrolyte Buffer	CX 3,5,7	2000mL	2000mL
44-3315	450214	Electrolyte Reference Reagent	CX 3,5,7	2000mL	2000mL
44-3330	443330	CO2 Acid Reagent	CX 3,5,7	2000mL	2000mL
44-3335	443335	Wash Concentrate	CX 3,5,7	6x250mL	6x250mL
46-0160	450160	Wash II Concentrate	CX 4,5,7	2000mL	2000mL

**Electrodes & Accessories**

E-350	668295	Sodium Electrode	CX 3,5,7	Each	Each
E-360	441930	Chloride Electrode	CX 3,5,7	Each	Each
E-370	660318	CO2 Electrode	CX 3,5,7	Each	Each
E-380	661750	CO2 Membrane	CX 3,5,7	5/Pk	5/Pk
E-390	659895	CO2 Electrode Membrane Retainer	CX 3,5,7	Each	Each
E-400	669114	Potassium Electrode	CX 3,5,7	Each	Each
E-410	669115	Potassium Body Electrode	CX 3,5,7	Each	Each
E-420	669117	Potassium Tip Electrode	CX 3,5,7	Each	Each
E-430	670522	Glucose Electrode	CX 3,4,5,7	Each	Each
E-440	670597	Glucose Electrode Membrane	CX 3,4,5,7	25/Pk	25/Pk
E-450	469499	Glucose Electrode (Accusense)	CX 3,4,5,7	Each	Each
E-460	651940	BUN Electrode	CX 3,7	Each	Each

**Specialty Calibrators & Controls**

PH7000	-----	Multi-Analyte Chemistry Calibrator (1 Level)	All Popular Chemistry Analyzers	10x1mL	-----
PH7001	-----	Multi-Analyte Chemistry Calibrator (2 Levels)	All Popular Chemistry Analyzers	2x5x1mL	-----
6001	-----	Total & Direct Bilirubin Control (Normal)	All Popular Chemistry Analyzers	10x1mL	-----
6002	-----	Total & Direct Bilirubin Calibrator	All Popular Chemistry Analyzers	10x1mL	-----
6003	-----	Total & Direct Bilirubin Control (Elevated)	All Popular Chemistry Analyzers	10x1mL	-----
46-4908	465908	Calibrator 1	CX 3,4,5,7	6x25mL	6x25mL
46-5909	465909	Calibrator 2	CX 3,4,5,7	6x25mL	6x25mL
46-5910	465910	Calibrator 3	CX 3,4,5,7	6x25mL	6x25mL





Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
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**Calibrators & Reagents**

18-101	D102	Standard A	ES	12x27mL	12x27mL
18-201	D202	Standard A	AR	4x90mL	4x90mL
18-301	S540	Standard A	ARw/IMT	4x90mL	4x90mL
18-102	D103A	Standard B	ES,AR	12x27mL	12x27mL
18-302	S550	Standard B	ARw/IMT	12x27mL	12x27mL
18-103	D100	Standard C	ES	12x27mL	12x27mL
18-203	D200	Standard C	AR	4x90mL	4x90mL
18-303	S560	Standard C	ARw/IMT	4x90mL	4x90mL
18-104	D104A	tCO2 Release Agent	ES,AR,ARw/IMT	6x500mL	6x500mL
18-105	D105	Salt Bridge Solution	ES,AR,ARw/IMT	3x150mL	3x150mL

**Electrodes & Accessory Solutions**

E-180	G901	Na+ Electrode	ES,AR	Each	Each
E-190	G902	K+ Electrode	ES,AR	Each	Each
E-200	G908	Cl- Electrode	ES,AR	Each	Each
03-228	G214	ISE Electrode Fill Solution	ES,AR	4x2mL	2x60mL
15-181	D126	Na Conditioning Solution	ES,AR	125mL	125mL
15-182	D128	Cleaning Solution	ES,AR	125mL	125mL

**Specialty Calibrators & Controls**

PH7000	-----	Multi-Analyte Chemistry Calibrator (1 Level)	All Popular Chemistry Analyzers	10x1mL	-----
PH7001	-----	Multi-Analyte Chemistry Calibrator (2 Levels)	All Popular Chemistry Analyzers	2x5x1mL	-----
6001	-----	Total & Direct Bilirubin Control (Normal)	All Popular Chemistry Analyzers	10x1mL	-----
6002	-----	Total & Direct Bilirubin Calibrator	All Popular Chemistry Analyzers	10x1mL	-----
6003	-----	Total & Direct Bilirubin Control (Elevated)	All Popular Chemistry Analyzers	10x1mL	-----



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators, Standards, &amp; Reagents</b>					
21-101	AUH1011	ISE Buffer	All Olympus AU Series	4x2000mL	4x2000mL
21-102	AUH1012	ISE Mid-Standard	All Olympus AU Series	4x2000mL	4x2000mL
21-103	AUH1013	ISE Reference	All Olympus AU Series	4x1000mL	4x1000mL
21-104	AUH1014	ISE Low Standard	All Olympus AU Series	4x100mL	4x100mL
21-105	AUH1015	ISE High Standard	All Olympus AU Series	4x100mL	4x100mL
21-106	AUH1016	Low/High Urine Standard	AU 600, AU 800, AU 1000	4x100mL	4x100mL
21-107	AUH1017	Internal Reference Fill Solution	All Olympus AU Series	2x25mL	2x25mL
21-108	AUH1018	Na/K Selectivity Option	All Olympus AU Series	2x25mL	2x25mL
21-109	AUH1019	Cleaning Solution	All Olympus AU Series	4x100mL	4x100mL
21-110	OSR0001	Wash Solution	All Olympus AU Series	6x2000mL	6x2000mL
<b>Specialty Calibrators &amp; Controls</b>					
E-900	MU9195	K Electrode	All Olympus AU Series	Each	Each
E-910	MU9197	Ref Electrode	All Olympus AU Series	Each	Each
E-920	MU9196	Cl Electrode	All Olympus AU Series	Each	Each
E-930	MU9194	Na Electrode	All Olympus AU Series	Each	Each
<b>Electrodes &amp; Accessories</b>					
PH7000	-----	Multi-Analyte Chemistry Calibrator (1 Level)	All Popular Chemistry Analyzers	10x1mL	-----
PH7001	-----	Multi-Analyte Chemistry Calibrator (2 Levels)	All Popular Chemistry Analyzers	2x5x1mL	-----
6001	-----	Total & Direct Bilirubin Control (Normal)	All Popular Chemistry Analyzers	10x1mL	-----
6002	-----	Total & Direct Bilirubin Calibrator	All Popular Chemistry Analyzers	10x1mL	-----



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators &amp; Reagents</b>					
23-100	-----	ISE Wash Solution	All Tokyo Boeki BiOLis	30mL	-----
23-101	-----	Calibrator 1	All Tokyo Boeki BiOLis	420mL	-----
23-102	-----	Calibrator 2	All Tokyo Boeki BiOLis	30mL	-----
23-104	-----	Fast Detergent 1	All Tokyo Boeki BiOLis	500mL	-----
23-105	-----	Fast Detergent 2	All Tokyo Boeki BiOLis	500mL	-----
15-181	-----	Na Conditioning Solution	All Tokyo Boeki BiOLis	100mL	-----
15-182	-----	Cleaning Solution	All Tokyo Boeki BiOLis	100mL	-----
<b>Specialty Calibrators &amp; Controls</b>					
PH7000	-----	Multi-Analyte Chemistry Calibrator (1 Level)	All Popular Chemistry Analyzers	10x1mL	-----
PH7001	-----	Multi-Analyte Chemistry Calibrator (2 Levels)	All Popular Chemistry Analyzers	2x5x1mL	-----
6001	-----	Total & Direct Bilirubin Control (Normal)	All Popular Chemistry Analyzers	10x1mL	-----
6002	-----	Total & Direct Bilirubin Calibrator	All Popular Chemistry Analyzers	10x1mL	-----
6003	-----	Total & Direct Bilirubin Control (Elevated)	All Popular Chemistry Analyzers	10x1mL	-----

**Roche / Cobas Mira & Fara Series**

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators &amp; Reagents</b>					
17-200	46997	ISE Standard 1	Mira, Mira-s, Fara, Fara-s	250mL	250mL
17-201	46998	ISE Standard 2	Mira, Mira-s, Fara, Fara-s	60mL	60mL
17-202	46999	ISE Reference Solution	Mira, Mira-s, Fara, Fara-s	60mL	60mL
17-203	42374	ISE Etcher Solution	Mira, Mira-s, Fara, Fara-s	125mL	125mL
<b>Specialty Calibrators &amp; Controls</b>					
PH7000	-----	Multi-Analyte Chemistry Calibrator (1 Level)	All Popular Chemistry Analyzers	10x1mL	-----
PH7001	-----	Multi-Analyte Chemistry Calibrator (2 Levels)	All Popular Chemistry Analyzers	2x5x1mL	-----
6001	-----	Total & Direct Bilirubin Control (Normal)	All Popular Chemistry Analyzers	10x1mL	-----
6002	-----	Total & Direct Bilirubin Calibrator	All Popular Chemistry Analyzers	10x1mL	-----
6003	-----	Total & Direct Bilirubin Control (Elevated)	All Popular Chemistry Analyzers	10x1mL	-----



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Calibrators, Standards, &amp; Reagents</b>					
16-201	820638	ISE Diluent	717,736,737,747,912,914,917	6x2000mL	6x2000mL
16-202	836246	ISE Internal Reference Solution	704,717,737,747,902,912,914,917	6x2000mL	6x2000mL
16-203	820639	ISE 1N KCl Solution	704,717,736,737,747,912,914,917	1000mL	1000mL
16-205	620428	ISE Standard Low	All Roche / Hitachi 700 & 900 Series	10x2mL	10x3mL
16-206	620427	ISE Standard High	All Roche / Hitachi 700 & 900 Series	10x2mL	10x3mL
16-215	1489828	ISE Compensator	All Roche / Hitachi 700 & 900 Series	10x1mL	10x1mL
16-217	409149	Hitergent	All Roche / Hitachi 700 Series	1000mL	1000mL
16-218	1447912	K Calibrator	All Roche / Hitachi 700 & 900 Series	10x3mL	10x3mL
16-219	1447939	Na / Cl Calibrator	All Roche / Hitachi 700 & 900 Series	10x3mL	10x3mL
16-220	1224310	Multi Clean	All Roche / Hitachi 700 & 900 Series	6x2000mL	6x2000mL
16-221	1131079	System Cleaning Solution	All Roche / Hitachi 700 & 900 Series	490mL	490mL
16-222	1135329	Hitergent	All Roche / Hitachi 900 Series	14x100mL	14x100mL
16-225	450043	ISE Diluent	911, Cobas 6000	5x300mL	5x300mL
16-226	450042	ISE Internal Reference Solution	911, Cobas 6000	5x600mL	5x600mL
16-227	450041	ISE 1N KCl Solution	911, Cobas 6000	5x300mL	5x300mL
<b>Electrodes &amp; Accessories</b>					
E-300	371037	Na+ Electrode	All Roche / Hitachi 700 & 900 Series	Each	Each
E-310	371038	K+ Electrode	All Roche / Hitachi 700 & 900 Series	Each	Each
E-320	372039	Cl- Electrode	All Roche / Hitachi 700 & 900 Series	Each	Each
E-330	704589	Reference Electrode	704,717,736,737,747,914	6 / Pk	6 / Pk
E-340	373039	Reference Electrode Cartridge	All Roche / Hitachi 900 Series	Each	Each
<b>Specialty Calibrators &amp; Controls</b>					
PH7000	-----	Multi-Analyte Chemistry Calibrator (1 Level)	All Popular Chemistry Analyzers	10x1mL	-----
PH7001	-----	Multi-Analyte Chemistry Calibrator (2 Levels)	All Popular Chemistry Analyzers	2x5x1mL	-----
6001	-----	Total & Direct Bilirubin Control (Normal)	All Popular Chemistry Analyzers	10x1mL	-----
6002	-----	Total & Direct Bilirubin Calibrator	All Popular Chemistry Analyzers	10x1mL	-----
6003	-----	Total & Direct Bilirubin Control (Elevated)	All Popular Chemistry Analyzers	10x1mL	-----





Phoenix Cat. No.	Matrix	Manufacturer	Description	Parameters	Phoenix Pkg
<b>Physiologically Significant Co-Oximetry Controls</b>					
1013	Dye	Bayer	Co-Ox Control Kit / 3 Levels	THb, O2CT, O2SAT, COHb, MET	3x10x2mL
1017	Dye	I.L.	Co-Ox Control Kit / 3 Levels	THb, O2Hb, COHb, MET, VOL% O2	3x10x2mL
1024	Dye	Radiometer	Co-Ox Control Kit / 3 Levels	THb, HbO2, HbO2SAT, HbCO, MET, O2CT	3x10x2mL

For All Blood Gas / ISE Analyzers

Phoenix Cat. No.	Matrix	Description	Parameters	Phoenix Pkg
<b>Universal - Aqueous Based</b>				
1001	Aqueous	Blood Gas Control, Level 1 Acidosis	pH, pCO2, pO2	30x2mL
1002	Aqueous	Blood Gas Control, Level 2 Normal	pH, pCO2, pO2	30x2mL
1003	Aqueous	Blood Gas Control, Level 3 Alkalosis	pH, pCO2, pO2	30x2mL
1004	Aqueous	Blood Gas Control, Tri-Level Multi-Pack	pH, pCO2, pO2	3x10x2mL
1005	Aqueous	Elevated Po2	pH, pCO2, pO2	15x2mL

For All Blood Gas / ISE Analyzers

Phoenix Cat. No.	Description	Parameters	Phoenix Pkg
<b>Universal - Protein or Aqueous Based</b>			
1006	Blood Gas / ISE Control, Level 1 Acidosis	pH, pCO2, pO2 / Na, K, Cl, Ca, Mg, Glucose, BUN, Creatinine, Lactate	30x2mL
1007	Blood Gas / ISE Control, Level 2 Normal	pH, pCO2, pO2 / Na, K, Cl, Ca, Mg, Glucose, BUN, Creatinine, Lactate	30x2mL
1008	Blood Gas / ISE Control, Level 3 Alkalosis	pH, pCO2, pO2 / Na, K, Cl, Ca, Mg, Glucose, BUN, Creatinine, Lactate	30x2mL
1009	Blood Gas / ISE Control, Tri-Level Multi-Pack	pH, pCO2, pO2 / Na, K, Cl, Ca, Mg, Glucose, BUN, Creatinine, Lactate	3x10x2mL



# LINEARITY CONTROLS (CALIBRATION VERIFICATION MATERIALS)

## Multi-Analyte Linearity Control (For All Popular Chemistry Analyzers)

Configuration: 6 x 3 x 1mL  
Storage: 2 to 8° C

Phoenix Cat. No.	Analytes (19)
PH5020	Total Protein, Albumin, Triglycerides, Cholesterol, Uric Acid, Phosphorous, Iron, Sodium, Potassium, Calcium, Chloride, Lithium, Magnesium, Lactate, Glucose, Creatinine, BUN, CO2, HDL

## Blood Gas / ISE Linearity Control (For All Blood Gas / ISE Analyzers)

Configuration: 5 x 3 x 2mL  
Storage: 2 to 8° C

Phoenix Cat. No.	Analytes (13)
PH5001	pH, PCO <sub>2</sub> , PO <sub>2</sub> , Sodium, Potassium, Calcium, Chloride, Lithium, Magnesium, BUN, Glucose, Lactate, Creatinine

## Enzyme Linearity Control (For All Popular Chemistry Analyzers)

Configuration: 7 x 3 x 1mL  
Storage: -10 to -20° C

Phoenix Cat. No.	Analytes (8)
PH5021	ALP, ALT, AMY, AST, CK, GGT, LD, LIP

## Co-Oximetry Linearity Control (For All Co-Oximetry Analyzers)

Configuration: 5 x 3 x 1mL  
Storage: 20° C (Room Temperature)

Phoenix Cat. No.	Analytes (5 - 6)
PH5003	(I.L.) / tHb, O <sub>2</sub> Hb, COHb, MetHb, Rhb
PH5005	(Radiometer) / tHb, HbO <sub>2</sub> SAT, HbO <sub>2</sub> , HbCO, MetHb, O <sub>2</sub> CT
PH5007	(Bayer) / tHb, O <sub>2</sub> Hb, COHb, METHb, Hhb

## Bilirubin Linearity Control (For All Popular Chemistry Analyzers)

Configuration: 6 x 3 x 1mL  
Storage: 2 to 8° C

Phoenix Cat. No.	Analytes (2)
PH5011	Total Bilirubin and Direct Bilirubin



# LINEARITY CONTROLS (CALIBRATION VERIFICATION MATERIALS)

Therapeutic Drug Monitoring (TDM)  
Linearity Control (For All Popular Analyzers)

Configuration: 6 x 3 x 1mL  
Storage: 2 to 8° C

Phoenix Cat. No.	Analytes (21)
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PH5030	Acetaminophen, Disopyramide, Primidone, Gentamicin, Amikacin, Quinidine, Procainamide, Lidocaine, Carbamazepine, Phenobarbital, N-Acetylprocainamide, Lithium, Digoxin, Phenytoin, Ethosuximide, Methotrexate, Salicylate, Theophylline, Tobramycin, Valproic Acid, Vancomycin
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Ammonia / Ethanol Linearity Control  
(For All Popular Analyzers)

Configuration: 5 x 3 x 1mL  
Storage: 2 to 8° C

Phoenix Cat. No.	Analytes (2)
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PH5060	Ethyl Alcohol, Ammonia Alcohol
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Cardiac Marker Linearity Control  
(For All Popular Analyzers)

Configuration: 7 x 3 x 1mL  
Storage: -10 to -20° C

Phoenix Cat. No.	Analytes (10)
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PH5050	CK-MB, Digoxin, Troponin T, Troponin I, BNP-32, Digitoxin, NT-proBNP, Myoglobin, Homocysteine, hsCRP
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Lipoprotein Linearity Control  
(For All Popular Analyzers)

Configuration: 6 x 3 x 1mL  
Storage: 2 to 8° C

Phoenix Cat. No.	Analytes (8)
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PH5040	Total Cholesterol, Triglycerides, HDL Cholesterol, LDL Cholesterol, Apolipoprotein A-1, Apolipoprotein-B, hsCRP, Lipoprotein(a)
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Urine Chemistry Linearity Control  
(For All Popular Analyzers)

Configuration: 7 x 3 x 1mL  
Storage: 2 to 8° C

Phoenix Cat. No.	Analytes (13)
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PH8000	Calcium, Creatinine, Sodium, Urea Nitrogen, Chloride, Glucose, Total Protein, Uric Acid, Magnesium, Phosphorus, Micro-Albumin, Ethyl Alcohol, Potassium
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HbA1C Linearity Control  
(For All Popular Analyzers)

Configuration: 4 x 3 x 0.5mL  
Storage: -10 to -20° C

Phoenix Cat. No.	Analytes (1)
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PH5070	Glycohemoglobin A1C
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Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Seimens-Bayer Electrodes</b>					
E-100	476267	pHElectrode	200Series,348,634,800Series	Each	Each
E-101	476247	pCO2Electrode	200Series,300Series,800Series	Each	Each
E-102	476246	pO2Electrode	200Series,300Series,800Series	Each	Each
E-110	476273	ReferenceElectrode	200Series,348,600Series,800Series	Each	Each
E-120	478498	ReferenceCassette	200Series,348,600Series,800Series	Each	Each
E-130	478509	ReferenceInnerElement	200Series,348,600Series,800Series	Each	Each
E-140	476266	Na+ Electrode	288,348,614,644,654,664,800Series	Each	Each
E-150	476270	K+ Electrode	288,348,614,644,654,664,850,855,860,865	Each	Each
E-160	476279	Cl- Electrode	288,348,644,850,855,860,865	Each	Each
E-170	476268	Ca++ Electrode	288,348,634,850,855,860,865	Each	Each
03-227	478822	ReferenceFillSolution	200Series,348,600Series,800Series	5x4mL	4x5mL
03-228	478535	ISE ElectrodeFillSolution	200Series,348,850,855,860,865	4x2mL	3x3mL
03-229	478533	pHFillSolution	200Series,348,634,800Series	4x2mL	3x3mL



Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
<b>Medica Electrodes</b>					
E-220	2102	Na+ Electrode	(Na/K),(Na/K/Li),(Na/K/Ca/pH),(Na/K/Cl),(Na/K/Cl/Li)	Each	Each
E-230	2101	K+ Electrode	(Na/K),(Na/K/Li),(Na/K/Ca/pH),(Na/K/Cl),(Na/K/Cl/Li)	Each	Each
E-240	2113	Cl- Electrode	(Na/K/Cl),(Na/K/Cl/Li)	Each	Each
03-228	-----	ISE Electrode Fill Solution	(Na/K),(Na/K/Li),(Na/K/Ca/pH),(Na/K/Cl),(Na/K/Cl/Li)	4x2mL	-----
15-181	-----	Na Conditioning Solution	(Na/K),(Na/K/Li),(Na/K/Ca/pH),(Na/K/Cl),(Na/K/Cl/Li)	125mL	-----
15-182	-----	Cleaning Solution	(Na/K),(Na/K/Li),(Na/K/Ca/pH),(Na/K/Cl),(Na/K/Cl/Li)	125mL	-----



# ELECTRODES

Roche / AVL 980 Series & 9100 Series  
 Alfa Wasserman Starlyte II & Starlyte III Series  
 Beckman Lablyte 800 Series  
 Dade Behring Dimension ES / AR Series  
 Dupont (Na/K) / (Na/K/Cl), Idexx Vetlyte, Bayer Opera Series

Phoenix Cat. No.	OEM Cat. No.	Description	Model(s)	Phoenix Pkg	OEM Pkg
E-180	BP0413	Na+ Electrode	Roche / AVL 980 & 9100 Series Alfa Wasserman Starlyte II & III Beckman LabLyte 800 Series Dade Behring Dimension ES / AR Dupont (Na/K) / (Na/K/Cl), Idexx VetLyte, Bayer Opera	Each	Each
E-190	BP0359	K+ Electrode	Roche / AVL 980 & 9100 Series Alfa Wasserman Starlyte II & Starlyte III Beckman LabLyte 800 Series Dade Behring Dimension ES / AR Dupont (Na/K) / (Na/K/Cl), Idexx VetLyte, Bayer Opera	Each	Each
E-200	BP0570	Cl- Electrode	Roche / AVL & 9100 Series Alfa Wasserman Starlyte III Beckman LabLyte 810 Dade Behring Dimension ES / AR Dupont (Na/K) / (Na/K/Cl), Idexx VetLyte, Bayer Opera	Each	Each
E-210	BP0360	Ca++ Electrode	Roche / AVL 980 & 9110, 9180, 9181 Series Beckman LabLyte 820	Each	Each
E-215	-----	Li+ Electrode	Roche / AVL 9180, 9181	Each	Each
3-228	-----	ISE Electrode Fill Solution	All Applicable Models	4x2ml	-----
15-181	-----	Na Conditioning Solution	All Applicable Models	125ml	-----
15-182	BP0380	Cleaning Solution	All Applicable Models	125ml	-----



# Terms and Conditions

## Order Minimum

\$100 minimum order for United States Hospitals, Private Laboratories and Physicians' Offices. \$200 minimum order for Distributors/Dealers in the United States. \$1000 minimum order for International Distributors and Dealers.

## International Shipments

A \$30.00 Order Processing Fee (OPF) will be charged for all International Orders.

## Shipping

Orders will be shipped within 48 hours of receipt. Phoenix Diagnostics offers the following standard services via UPS for shipping: 1 Day, 2 Day and 3 Day services. Saturday delivery also available by UPS. Overnight and weekend delivery service is available by Federal Express and DHL. International document service is also available by DHL.

## Prices

Prices are F.O.B. Phoenix Diagnostics Inc. Natick, MA in US dollars and are subject to change without notice with the exception of written contractual agreements that guarantee specific prices.

## Payment

Payment terms are provided to customers on an individual basis subject to approval by Phoenix Diagnostics Credit Department. Late payments shall bear a 12% interest per annum until paid in full. In the event that the buyer fails to comply with any terms of payment Phoenix reserves the right to withhold delivery of further shipments or to terminate the contract and or agreement between itself and the Buyer.

## Taxes

Prices do not include any state, local or federal taxes. The Buyer shall pay all taxes, including sales and use taxes.

## Return Shipment Policy

Return shipments of Phoenix Diagnostics products must be pre-arranged. A Return Authorization Number (RAN) must be obtained along with shipping instructions from Phoenix Diagnostics. Goods arriving at Phoenix Diagnostics without an RAN will be refused. Goods returned to Phoenix Diagnostics with an approved RAN, but which prove to be in good working condition will be assessed a 25% re-stocking fee. RAN's are good for 30 days from issue date.

## Limitation of Liability

In no event shall Phoenix Diagnostics be liable to Buyer, its affiliates, successors, assignees, vendees or transferees, or to any third party, for any economic loss, physical harm, incidental, consequential or special damages (including without limitation lost profits and/or lost business opportunities) arising out of, resulting from or relating to in any way this agreement or acts or omissions in connection herewith including without limitation the performance whether or not timely or nonperformance of this agreement and the loss or loss of use of any of the goods or other property, regardless of whether the goods or the use thereof results in damage or harm only to the goods or to other property or whether Seller and/or others may be wholly, concurrently, partially, jointly, or solely negligent or otherwise at fault.

# LIMITED WARRANTY

For all products sold with an expiration date, Phoenix Diagnostics guarantees that they will be free from defect in materials and workmanship until actual date of expiry.

For all products sold without an expiration date, Phoenix diagnostics guarantees that they will be free from defect in materials and workmanship for a period that extends one year after actual invoiced date of goods

Phoenix Diagnostics' Limited Warranty is subject to the following stipulations:

1.) This warranty shall not apply to any goods which have been: a.) repaired or altered by representatives other than Phoenix Diagnostics; b.) subjected to unreasonable or improper use; c.) subjected to accident or abuse; or d.) installed improperly by any person (including the Buyer).

2.) All (ISE) electrodes manufactured by Phoenix Diagnostics are subject to a separate usage warranty and shelf-life guarantee:

(ISE) Electrode Usage Warranty

6 Months: pH, Reference, and Sodium (Na<sup>+</sup>) electrodes

3 Months: Potassium (K<sup>+</sup>), Calcium (Ca<sup>++</sup>), Lithium (Li<sup>+</sup>), and chloride (Cl<sup>-</sup>) electrodes

(ISE) Electrode Shelf-Life Warranty

1 Year: from date of manufacture for all electrodes

3.) This warranty shall not be effective unless Phoenix Diagnostics receives a formal claim from Buyer within 21 days after the discovery of any defect.

4.) This warranty shall only be redeemed after Buyer returns goods in question to Phoenix Diagnostics, and Phoenix Diagnostics is able to verify defective claim. Buyer must return goods in question to Phoenix Diagnostics at their own risk, and shall receive a shipping refund only after their defective claim can be verified.

5.) Phoenix Diagnostics' liability for any breach of warranty shall be limited to either repair or replacement of defective goods, or to a refund of an amount equal to the invoiced cost of defective goods.

6.) No person acting as an agent of Phoenix Diagnostics shall have the authority to amend the Limited warranty (orally or otherwise), and any such amendment shall only be binding if signed in writing by an executive officer of Phoenix Diagnostics.

This warranty is exclusive and in lieu of all other warranties, whether written, oral, expressed, implied, or statutory. Phoenix Diagnostics disclaims any warranty or merchant ability or fitness for a particular purpose or any other written warranties without limitation other than the limited warranty stated herein.

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