



BASIC CHEMISTRY

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Albumin																						
Initial Grouping by Reagent and Instrument																						
Alfa Wassermann BCG & Alfa Wasser ACE/Centr/Alera	1	3.6 - 4.3	P 3.95	0.15	4.3 - 5.2	P 4.74	0.16	3.2 - 3.9	P 3.59	0.11	1.5 - 1.8	P 1.66	0.06	2.9 - 3.5	P 3.18	0.12	63					
Beckman BCP & Beckman Unicel DXC series	2	2.7 - 3.4	P 3.05	0.07	3.3 - 4.1	P 3.68	0.08	2.5 - 3.0	P 2.73	0.06	1.1 - 1.3	P 1.22	0.04	2.2 - 2.7	P 2.41	0.06	56					
Clinical Data BCG & Vital Diag Ci Data ATAC8000	3	3.5 - 4.3	P 3.90	0.12	4.3 - 5.2	P 4.73	0.20	3.2 - 3.9	P 3.53	0.16	1.4 - 1.7	P 1.52	0.07	2.8 - 3.5	P 3.15	0.15	13					
Clinical Data Envoy & Vital Diagnostics Envoy	4	3.5 - 4.3	P 3.94	0.14	4.3 - 5.3	P 4.78	0.16	3.2 - 3.9	P 3.52	0.11	1.3 - 1.7	P 1.50	0.04	2.8 - 3.4	P 3.10	0.09	12					
Horiba ABX & Horiba ABX Pentra 400	5	3.3 - 4.1	P 3.69	0.09	4.0 - 4.8	P 4.39	0.10	3.0 - 3.7	P 3.34	0.08	1.4 - 1.7	P 1.55	0.05	2.7 - 3.3	P 2.98	0.08	12					
J&J Vitros rapid BCG & J&J Vitros not DT or ECI	6	3.7 - 4.5	P 4.09	0.17	4.4 - 5.4	P 4.87	0.24	3.3 - 4.0	P 3.64	0.12	1.3 - 1.6	P 1.42	0.07	2.8 - 3.4	P 3.12	0.09	68					
J&J Vitros rapid BCG & J&J Vitros 5,1 FS	7	3.7 - 4.5	P 4.12	0.13	4.4 - 5.3	P 4.85	0.14	3.2 - 3.9	P 3.59	0.11	1.2 - 1.5	P 1.39	0.07	2.7 - 3.4	P 3.05	0.10	17					
SDI Biomed & SDI CA-240, 480	8	3.6 - 4.4	P 3.97	0.12	4.2 - 5.1	P 4.68	0.17	3.3 - 4.0	P 3.68	0.16	1.5 - 1.8	P 1.64	0.07	2.9 - 3.5	P 3.22	0.14	16					
Siemens BCP & Siemens Dimension Rxl	9	2.7 - 3.3	P 3.04	0.08	3.3 - 4.0	P 3.67	0.07	2.4 - 3.0	P 2.70	0.06	1.0 - 1.2	P 1.10	0.00	2.2 - 2.6	P 2.39	0.06	20					
Siemens BCP & Siemens Dimension Xpand	10	2.8 - 3.4	P 3.06	0.08	3.3 - 4.0	P 3.67	0.09	2.5 - 3.0	P 2.73	0.08	1.0 - 1.2	P 1.11	0.04	2.2 - 2.6	P 2.39	0.06	79					
Siemens BCP & Siemens Dimension EXL	11	2.7 - 3.3	P 3.03	0.07	3.3 - 4.0	P 3.66	0.07	2.4 - 3.0	P 2.70	0.06	1.0 - 1.2	P 1.11	0.03	2.1 - 2.6	P 2.36	0.06	23					
Initial Grouping by Reagent																						
Beckman Olympus BCG	12	3.5 - 4.3	P 3.93	0.09	4.2 - 5.2	P 4.71	0.12	3.2 - 3.9	P 3.52	0.09	1.3 - 1.6	P 1.49	0.03	2.8 - 3.4	P 3.10	0.09	55					
Alfa Wassermann BCG	13	3.6 - 4.3	P 3.95	0.15	4.3 - 5.2	P 4.74	0.16	3.2 - 3.9	P 3.59	0.11	1.5 - 1.8	P 1.66	0.06	2.9 - 3.5	P 3.18	0.12	63					
Beckman BCP	14	2.7 - 3.4	P 3.05	0.07	3.3 - 4.1	P 3.68	0.09	2.5 - 3.0	P 2.73	0.07	1.1 - 1.3	P 1.21	0.04	2.2 - 2.6	P 2.41	0.06	84					
Carolina BCG	15	2.8 - 3.5	P 3.15	0.24	3.5 - 4.2	P 3.84	0.32	2.6 - 3.1	P 2.85	0.36	1.1 - 1.4	P 1.26	0.22	2.3 - 2.8	P 2.55	0.36	15					
Clinical Data BCG	16	3.5 - 4.3	P 3.90	0.12	4.3 - 5.2	P 4.73	0.20	3.2 - 3.9	P 3.53	0.16	1.4 - 1.7	P 1.52	0.07	2.8 - 3.5	P 3.15	0.15	13					
Clinical Data Envoy	17	3.5 - 4.3	P 3.94	0.14	4.3 - 5.3	P 4.78	0.16	3.2 - 3.9	P 3.52	0.11	1.3 - 1.7	P 1.50	0.04	2.8 - 3.4	P 3.10	0.09	12					
DCL/Genzyme BCG	18	3.6 - 4.4	P 3.96	0.19	4.3 - 5.2	P 4.77	0.23	3.2 - 3.9	P 3.58	0.16	1.4 - 1.7	P 1.59	0.08	2.8 - 3.5	P 3.16	0.15	24					
Horiba ABX	19	3.3 - 4.1	P 3.69	0.09	4.0 - 4.8	P 4.39	0.10	3.0 - 3.7	P 3.34	0.08	1.4 - 1.7	P 1.55	0.05	2.7 - 3.3	P 2.98	0.08	12					
J&J Vitros rapid BCG	20	3.7 - 4.5	P 4.11	0.17	4.4 - 5.4	P 4.87	0.22	3.3 - 4.0	P 3.63	0.12	1.3 - 1.6	P 1.41	0.07	2.8 - 3.4	P 3.10	0.10	96					
Pointe Sci BCG	21	3.7 - 4.5	P 4.14	0.18	4.6 - 5.6	P 5.08	0.16	3.4 - 4.1	P 3.72	0.21	1.6 - 1.9	P 1.73	0.14	3.0 - 3.6	P 3.31	0.10	20					

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	
Roche Cobas BCG, gen II	22	3.6 - 4.5	P 4.05	0.13	4.4 - 5.3	P 4.86	0.15		3.3 - 4.0	P 3.65	0.15		1.5 - 1.8	P 1.62	0.10		2.9 - 3.5	P 3.22	0.12	46
SDI Biomed	23	3.6 - 4.4	P 3.97	0.12	4.2 - 5.1	P 4.68	0.17		3.3 - 4.0	P 3.68	0.16		1.5 - 1.8	P 1.64	0.07		2.9 - 3.5	P 3.22	0.14	16
Siemens BCG-rapid	24	3.6 - 4.4	P 3.99	0.05	4.3 - 5.3	P 4.81	0.09		3.2 - 3.9	P 3.58	0.06		1.4 - 1.7	P 1.56	0.06		2.8 - 3.4	P 3.13	0.07	16
Siemens BCP	25	2.7 - 3.3	P 3.04	0.08	3.3 - 4.0	P 3.67	0.08		2.4 - 3.0	P 2.71	0.07		1.0 - 1.2	P 1.11	0.04		2.1 - 2.6	P 2.38	0.06	189
Initial Grouping by Sensitivity or Principle																				
BCG-bromcresol green	26	3.5 - 4.3	P 3.93	0.26	4.3 - 5.2	P 4.72	0.31		3.2 - 3.9	P 3.56	0.25		1.4 - 1.8	P 1.60	0.14		2.8 - 3.5	P 3.15	0.22	277
BCG-rapid (60 sec or less)	27	3.6 - 4.4	P 4.03	0.18	4.3 - 5.3	P 4.81	0.21		3.2 - 3.9	P 3.58	0.14		1.3 - 1.6	P 1.45	0.08		2.8 - 3.4	P 3.10	0.11	175
BCP-bromcresol purple	28	2.7 - 3.3	P 3.04	0.08	3.3 - 4.0	P 3.66	0.09		2.4 - 3.0	P 2.71	0.08		1.0 - 1.3	P 1.15	0.07		2.1 - 2.6	P 2.39	0.07	296
Total Population																				
Whole Population	29	3.2 - 4.0	P 3.60	0.49	3.9 - 4.8	P 4.32	0.58		2.9 - 3.6	P 3.23	0.45		1.2 - 1.5	P 1.38	0.22		2.6 - 3.1	P 2.83	0.39	765

Bicarbonate (Total CO2)

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	18.0 - 27.0	P 22.8	1.1	27.0 - 41.0	P 33.8	1.7		14.0 - 22.0	C 18.1	1.3		21.0 - 32.0	P 26.2	1.3		9.0 - 17.0	C 13.0	1.0	16
Alfa Wassermann UV/bic & Alfa Wasser ACE/Centr/Alera	2	19.0 - 29.0	P 23.8	1.9	27.0 - 40.0	P 33.5	2.6		15.0 - 23.0	C 18.6	2.0		21.0 - 32.0	P 26.4	2.7		10.0 - 18.0	C 13.6	1.8	58
Beckman dil ISE & Beckman Unicel DXC series	3	21.0 - 31.0	P 26.0	1.5	29.0 - 43.0	P 36.0	2.1		17.0 - 26.0	P 21.4	1.2		23.0 - 35.0	P 29.3	1.4		12.0 - 20.0	C 16.2	1.1	58
Clin Data ATAC 8000 dil ISE & Vital Diag CI Data ATAC8000	4	20.0 - 30.0	P 25.3	3.1	28.0 - 42.0	P 34.8	3.3		18.0 - 26.0	P 21.9	2.2		22.0 - 33.0	P 27.2	1.6		12.0 - 20.0	C 16.2	1.6	13
Clinical Data Envoy ISE & Vital Diagnostics Envoy	5	21.0 - 31.0	P 26.1	3.0	29.0 - 44.0	P 36.8	5.5		16.0 - 24.0	P 20.1	2.7		21.0 - 31.0	P 26.0	2.5		11.0 - 19.0	C 14.9	1.3	11
Horiba ABX & Horiba ABX Pentra 400	6	21.0 - 32.0	P 26.6	1.2	29.0 - 44.0	P 36.5	1.6		18.0 - 26.0	P 21.9	0.7		23.0 - 35.0	P 29.3	1.2		12.0 - 20.0	C 16.2	0.8	11
J&J Vitros UV/unc & J&J Vitros not DT or ECi	7	21.0 - 32.0	P 26.4	1.4	28.0 - 42.0	P 35.0	1.7		17.0 - 26.0	P 21.3	1.3		22.0 - 33.0	P 27.1	1.2		12.0 - 20.0	C 15.8	1.3	61
J&J Vitros UV/unc & J&J Vitros 5,1 FS	8	21.0 - 31.0	P 25.8	1.4	29.0 - 43.0	P 35.7	1.9		17.0 - 25.0	P 21.1	1.2		22.0 - 33.0	P 27.3	1.0		12.0 - 20.0	C 15.8	0.7	15
SDI Biomed & SDI CA-240, 480	9	19.0 - 29.0	P 24.3	2.5	25.0 - 38.0	P 31.6	2.5		15.0 - 23.0	C 19.4	2.4		20.0 - 31.0	P 25.6	2.8		11.0 - 19.0	C 14.6	1.8	16
Siemens ECO2 & Siemens Dimension Rxl	10	22.0 - 33.0	P 27.7	1.0	31.0 - 46.0	P 38.3	1.1		18.0 - 27.0	P 22.5	1.0		24.0 - 37.0	P 30.5	1.2		13.0 - 21.0	C 16.8	0.9	18
Siemens ECO2 & Siemens Dimension Xpand	11	22.0 - 33.0	P 27.8	1.4	30.0 - 46.0	P 37.9	1.5		18.0 - 27.0	P 22.1	1.1		24.0 - 37.0	P 30.5	1.3		12.0 - 20.0	C 16.4	1.4	73
Siemens ECO2 & Siemens Dimension EXL	12	22.0 - 33.0	P 27.5	1.2	30.0 - 45.0	P 37.3	1.6		18.0 - 27.0	P 22.2	1.3		24.0 - 36.0	P 30.2	1.1		12.0 - 20.0	C 16.4	1.4	21

Initial Grouping by Reagent

Carolina, liquid	13	22.0 - 32.0	P 27.0	1.9	28.0 - 42.0	P 34.9	3.4		18.0 - 27.0	P 22.1	2.0		23.0 - 35.0	P 29.3	2.4		13.0 - 21.0	C 17.2	2.0	28
Abbott Architect	14	18.0 - 27.0	P 22.5	1.4	27.0 - 40.0	P 33.7	1.6		14.0 - 22.0	C 18.1	1.2		21.0 - 31.0	P 26.2	1.2		9.0 - 17.0	C 13.0	0.9	18
Alfa Wassermann UV/bic	15	19.0 - 29.0	P 23.8	1.9	27.0 - 40.0	P 33.5	2.6		15.0 - 23.0	C 18.6	2.0		21.0 - 32.0	P 26.4	2.7		10.0 - 18.0	C 13.6	1.8	58
Beckman dil ISE	16	21.0 - 31.0	P 25.7	1.7	28.0 - 42.0	P 35.2	2.3		17.0 - 25.0	P 21.2	1.2		23.0 - 34.0	P 28.7	1.6		12.0 - 20.0	C 16.3	1.1	91
Clin Data ATAC 8000 dil ISE	17	20.0 - 30.0	P 25.3	3.1	28.0 - 42.0	P 34.8	3.3		18.0 - 26.0	P 21.9	2.2		22.0 - 33.0	P 27.2	1.6		12.0 - 20.0	C 16.2	1.6	13

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Clinical Data Envoy ISE	18	21.0 - 31.0	P	26.1	3.0	29.0 - 44.0	P	36.8	5.5	16.0 - 24.0	P	20.1	2.7	21.0 - 31.0	P	26.0	2.5	11.0 - 19.0	C	14.9	1.3	11
DCL/Genzyme/Equal UV/unc	19	21.0 - 31.0	P	25.6	2.3	29.0 - 43.0	P	35.8	3.4	16.0 - 24.0	P	20.3	2.5	23.0 - 34.0	P	28.2	2.5	11.0 - 19.0	C	15.0	1.9	22
Horiba ABX	20	21.0 - 32.0	P	26.6	1.2	29.0 - 44.0	P	36.5	1.6	18.0 - 26.0	P	21.9	0.7	23.0 - 35.0	P	29.3	1.2	12.0 - 20.0	C	16.2	0.8	11
J&J Vitros ISE	21	21.0 - 31.0	P	25.9	1.3	27.0 - 41.0	P	34.3	1.8	16.0 - 24.0	P	20.4	1.5	21.0 - 32.0	P	26.3	2.0	11.0 - 19.0	C	15.0	1.4	11
J&J Vitros UV/unc	22	21.0 - 32.0	P	26.3	1.5	28.0 - 42.0	P	35.2	1.7	17.0 - 26.0	P	21.3	1.3	22.0 - 33.0	P	27.2	1.1	12.0 - 20.0	C	15.9	1.2	86
Beckman Olympus UV/bic	23	20.0 - 30.0	P	24.9	1.8	28.0 - 42.0	P	35.1	2.3	16.0 - 24.0	C	19.9	1.6	22.0 - 34.0	P	28.1	1.5	10.0 - 18.0	C	14.4	1.2	59
Pointe Sci UV/unc	24	21.0 - 31.0	P	26.2	2.9	29.0 - 43.0	P	36.1	4.1	17.0 - 26.0	P	21.6	2.6	24.0 - 35.0	P	29.5	3.6	12.0 - 20.0	C	16.4	1.9	13
Roche Cobas UV/rate	25	20.0 - 30.0	P	24.7	1.6	27.0 - 41.0	P	34.2	2.2	15.0 - 23.0	C	18.8	1.3	22.0 - 33.0	P	27.1	1.8	10.0 - 18.0	C	13.7	1.6	23
Roche/Hitachi/Integra liq	26	20.0 - 30.0	P	25.1	1.6	28.0 - 42.0	P	35.3	2.2	16.0 - 24.0	P	20.0	1.6	22.0 - 34.0	P	28.0	1.6	11.0 - 19.0	C	14.6	1.2	29
SDI Biomed	27	19.0 - 29.0	P	24.3	2.5	25.0 - 38.0	P	31.6	2.5	15.0 - 23.0	C	19.4	2.4	20.0 - 31.0	P	25.6	2.8	11.0 - 19.0	C	14.6	1.8	16
Siemens ECO2	28	22.0 - 33.0	P	27.6	1.5	30.0 - 45.0	P	37.8	1.7	18.0 - 27.0	P	22.2	1.2	24.0 - 36.0	P	30.3	1.4	12.0 - 20.0	C	16.3	1.3	165
Siemens tCO2	29	22.0 - 33.0	P	27.4	1.3	30.0 - 46.0	P	38.1	1.6	18.0 - 27.0	P	22.1	1.2	24.0 - 36.0	P	30.4	1.3	12.0 - 20.0	C	16.2	1.4	27
Initial Grouping by Sensitivity or Principle																						
UV/bichromatic methods	30	20.0 - 29.0	P	24.6	2.0	28.0 - 41.0	P	34.5	2.6	16.0 - 24.0	C	19.5	2.0	22.0 - 33.0	P	27.4	2.3	10.0 - 18.0	C	14.3	1.7	129
UV/kinetic (rate) methods	31	20.0 - 30.0	P	24.8	2.5	26.0 - 40.0	P	32.9	3.3	16.0 - 24.0	C	19.8	2.4	22.0 - 32.0	P	27.1	2.9	11.0 - 19.0	C	14.8	2.4	59
UV/uncorrected methods	32	21.0 - 31.0	P	26.1	2.0	28.0 - 42.0	P	35.4	2.8	17.0 - 25.0	P	21.1	2.0	22.0 - 34.0	P	28.0	2.2	12.0 - 20.0	C	15.8	1.7	202
Diluted ISE results	33	20.0 - 31.0	P	25.6	2.3	28.0 - 43.0	P	35.6	2.9	17.0 - 25.0	P	21.0	1.8	23.0 - 34.0	P	28.4	2.1	12.0 - 20.0	C	15.8	1.6	160
Undiluted ISE results	34	21.0 - 31.0	P	25.9	1.2	27.0 - 41.0	P	33.9	1.9	16.0 - 25.0	P	20.6	1.6	21.0 - 32.0	P	26.8	2.2	11.0 - 19.0	C	15.5	1.8	13
All other methods	35	22.0 - 33.0	P	27.6	1.5	30.0 - 45.0	P	37.8	1.7	18.0 - 27.0	P	22.2	1.2	24.0 - 36.0	P	30.3	1.4	12.0 - 20.0	C	16.3	1.3	165
Total Population																						
Whole Population	36	21.0 - 31.0	P	26.0	2.3	28.0 - 43.0	P	35.6	2.9	17.0 - 25.0	P	20.9	2.1	23.0 - 34.0	P	28.4	2.4	12.0 - 20.0	C	15.6	1.7	752

Bilirubin, Total

Initial Grouping by Reagent and Instrument

Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	1.5 - 2.3	C	1.91	0.16	2.1 - 3.2	P	2.68	0.22	1.2 - 2.0	C	1.59	0.17	4.5 - 6.8	P	5.68	0.26	0.8 - 1.6	C	1.23	0.16	21
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	1.9 - 2.8	P	2.36	0.12	2.6 - 4.0	P	3.30	0.14	1.5 - 2.3	C	1.93	0.10	5.4 - 8.1	P	6.73	0.28	1.1 - 1.9	C	1.51	0.08	67
Beckman & Beckman Unicel DXC series	3	2.0 - 3.0	P	2.48	0.17	2.7 - 4.0	P	3.37	0.16	1.7 - 2.5	P	2.07	0.19	4.8 - 7.2	P	6.00	0.18	1.3 - 2.1	C	1.66	0.18	59
Clinical Data & Vital Diag CI Data ATAC8000	4	1.8 - 2.7	P	2.25	0.11	2.6 - 3.8	P	3.21	0.13	1.4 - 2.2	C	1.80	0.10	4.8 - 7.2	P	6.02	0.28	1.0 - 1.8	C	1.38	0.11	13
Clinical Data Envoy & Vital Diagnostics Envoy	5	1.4 - 2.2	C	1.78	0.12	2.1 - 3.1	P	2.58	0.11	1.1 - 1.9	C	1.45	0.09	4.4 - 6.7	P	5.54	0.23	0.7 - 1.5	C	1.11	0.07	12
Horiba ABX & Horiba ABX Pentra 400	6	1.6 - 2.5	P	2.06	0.17	2.3 - 3.4	P	2.87	0.12	1.3 - 2.1	C	1.68	0.14	5.0 - 7.5	P	6.29	0.18	0.9 - 1.7	C	1.30	0.10	12
J&J Vitros not neonatal & J&J Vitros not DT or ECi	7	1.6 - 2.4	P	2.02	0.12	2.3 - 3.5	P	2.88	0.15	1.2 - 2.0	C	1.59	0.12	4.6 - 6.9	P	5.78	0.30	0.8 - 1.6	C	1.20	0.10	67
J&J Vitros not neonatal & J&J Vitros 5,1 FS	8	1.5 - 2.3	C	1.94	0.09	2.3 - 3.4	P	2.86	0.13	1.1 - 1.9	C	1.54	0.08	4.8 - 7.2	P	6.00	0.30	0.7 - 1.5	C	1.12	0.11	17
SDI Biomed & SDI CA-240, 480	9	2.2 - 3.3	P	2.77	0.17	3.2 - 4.8	P	3.96	0.20	1.9 - 2.9	P	2.38	0.13	7.5 - 11.3	P	9.39	0.19	1.5 - 2.3	C	1.88	0.10	16

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Siemens Dimension TBI & Siemens Dimension Rxl	10	1.6 - 2.5	P	2.05	0.11	2.3 - 3.5	P	2.89	0.15	1.2 - 2.0	C	1.65	0.08	4.6 - 7.0	P	5.81	0.16	0.9 - 1.7	C	1.26	0.07	20
Siemens Dimension TBI & Siemens Dimension Xpand	11	1.6 - 2.4	P	2.01	0.10	2.3 - 3.4	P	2.86	0.12	1.2 - 2.0	C	1.63	0.09	4.6 - 6.9	P	5.75	0.17	0.8 - 1.6	C	1.24	0.08	80
Siemens Dimension TBI & Siemens Dimension EXL	12	1.6 - 2.4	P	2.01	0.10	2.3 - 3.4	P	2.85	0.12	1.2 - 2.0	C	1.64	0.09	4.7 - 7.0	P	5.82	0.26	0.9 - 1.7	C	1.26	0.09	23
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	13	1.5 - 2.3	C	1.92	0.16	2.1 - 3.2	P	2.68	0.22	1.2 - 2.0	C	1.58	0.16	4.5 - 6.8	P	5.68	0.25	0.8 - 1.6	C	1.23	0.16	23
Alfa Wassermann	14	1.9 - 2.8	P	2.36	0.12	2.6 - 4.0	P	3.30	0.14	1.5 - 2.3	C	1.93	0.10	5.4 - 8.1	P	6.73	0.28	1.1 - 1.9	C	1.51	0.08	67
Beckman	15	2.0 - 3.0	P	2.47	0.16	2.7 - 4.0	P	3.36	0.16	1.6 - 2.5	P	2.06	0.18	4.8 - 7.2	P	5.99	0.18	1.3 - 2.1	C	1.66	0.17	90
Carolina	16	1.8 - 2.8	P	2.29	0.20	2.6 - 3.9	P	3.23	0.26	1.5 - 2.3	C	1.87	0.18	4.7 - 7.0	P	5.87	0.27	1.1 - 1.9	C	1.52	0.18	29
Clinical Data	17	1.8 - 2.7	P	2.25	0.11	2.6 - 3.8	P	3.21	0.13	1.4 - 2.2	C	1.80	0.10	4.8 - 7.2	P	6.02	0.28	1.0 - 1.8	C	1.38	0.11	13
Clinical Data Envoy	18	1.4 - 2.2	C	1.78	0.12	2.1 - 3.1	P	2.58	0.11	1.1 - 1.9	C	1.45	0.09	4.4 - 6.7	P	5.54	0.23	0.7 - 1.5	C	1.11	0.07	12
DCL/Genzyme	19	1.6 - 2.4	C	1.98	0.25	2.2 - 3.3	P	2.73	0.32	1.2 - 2.0	C	1.62	0.23	4.8 - 7.2	P	5.99	0.67	0.9 - 1.7	C	1.27	0.21	21
Horiba ABX	20	1.6 - 2.5	P	2.06	0.17	2.3 - 3.4	P	2.87	0.12	1.3 - 2.1	C	1.68	0.14	5.0 - 7.5	P	6.29	0.18	0.9 - 1.7	C	1.30	0.10	12
J&J Vitros not neonatal	21	1.6 - 2.4	P	2.00	0.13	2.3 - 3.5	P	2.88	0.15	1.2 - 2.0	C	1.57	0.12	4.7 - 7.0	P	5.83	0.34	0.8 - 1.6	C	1.18	0.10	98
Beckman Olympus	22	1.8 - 2.7	P	2.23	0.08	2.4 - 3.6	P	2.97	0.11	1.4 - 2.3	C	1.85	0.08	4.9 - 7.3	P	6.08	0.18	1.1 - 1.9	C	1.48	0.07	59
Pointe Sci	23	1.7 - 2.6	P	2.16	0.16	2.4 - 3.6	P	3.03	0.25	1.4 - 2.2	C	1.77	0.14	5.2 - 7.7	P	6.46	0.46	1.0 - 1.8	C	1.42	0.14	20
Roche Cobas	24	1.5 - 2.3	C	1.87	0.19	2.1 - 3.2	P	2.63	0.25	1.1 - 1.9	C	1.50	0.18	4.7 - 7.0	P	5.86	0.70	0.8 - 1.6	C	1.17	0.17	10
Roche Cobas BILTS	25	1.4 - 2.2	C	1.77	0.09	2.0 - 3.0	P	2.53	0.13	1.0 - 1.8	C	1.41	0.08	4.4 - 6.6	P	5.47	0.21	0.7 - 1.5	C	1.08	0.06	38
SDI Biomed	26	2.2 - 3.3	P	2.77	0.17	3.2 - 4.8	P	3.96	0.20	1.9 - 2.9	P	2.38	0.13	7.5 - 11.3	P	9.39	0.19	1.5 - 2.3	C	1.88	0.10	16
Siemens Dimension TBI	27	1.6 - 2.4	P	2.01	0.10	2.3 - 3.4	P	2.86	0.12	1.2 - 2.0	C	1.62	0.09	4.6 - 6.9	P	5.76	0.18	0.8 - 1.6	C	1.24	0.08	190
Initial Grouping by Sensitivity or Principle																						
Diazo/cafeine-benzoate	28	1.7 - 2.6	P	2.14	0.26	2.4 - 3.6	P	2.99	0.29	1.3 - 2.1	C	1.75	0.24	4.7 - 7.0	P	5.85	0.29	1.0 - 1.8	C	1.36	0.23	317
Diazo/DMSO	29	1.8 - 2.7	P	2.23	0.23	2.5 - 3.8	P	3.14	0.29	1.4 - 2.2	C	1.83	0.18	5.2 - 7.8	P	6.49	0.59	1.0 - 1.8	C	1.43	0.16	120
Diazo/surfactant	30	1.6 - 2.4	P	2.04	0.44	2.3 - 3.5	P	2.89	0.65	1.3 - 2.1	C	1.67	0.41	5.1 - 7.7	P	6.39	1.78	0.9 - 1.7	C	1.30	0.37	72
Diazonium ion	31	1.7 - 2.5	P	2.11	0.34	2.4 - 3.5	P	2.94	0.45	1.3 - 2.1	C	1.70	0.29	4.8 - 7.2	P	5.96	0.84	0.9 - 1.7	C	1.33	0.24	239
Oxidation	32	1.6 - 2.4	P	2.00	0.14	2.2 - 3.4	P	2.80	0.19	1.2 - 2.0	C	1.63	0.10	4.5 - 6.8	P	5.68	0.38	0.9 - 1.7	C	1.29	0.10	20
Total Population																						
Whole Population	33	1.7 - 2.5	P	2.12	0.25	2.4 - 3.6	P	2.97	0.32	1.3 - 2.1	C	1.72	0.22	4.8 - 7.1	P	5.94	0.44	0.9 - 1.7	C	1.33	0.20	781

Calcium

Initial Grouping by Reagent and Instrument

Abbott Arsenazo III & Abbott Architect c, ci, i	1	9.2 - 11.2	C	10.18	0.16	6.0 - 8.0	C	6.98	0.12	10.8 - 12.8	C	11.84	0.20	8.5 - 10.5	C	9.47	0.15	12.4 - 14.4	C	13.42	0.27	20
Alfa Wassermann Arsenazo & Alfa Wasser ACE/Centr/Alera	2	8.6 - 10.6	C	9.65	0.33	5.6 - 7.6	C	6.63	0.19	10.4 - 12.4	C	11.36	0.31	8.4 - 10.4	C	9.38	0.30	12.0 - 14.0	C	13.03	0.44	64
Beckman Arsenazo & Beckman Unicel DXC series	3	8.9 - 10.9	C	9.92	0.20	5.6 - 7.6	C	6.61	0.08	10.7 - 12.7	C	11.68	0.14	8.5 - 10.5	C	9.49	0.09	12.3 - 14.3	C	13.29	0.14	10
Beckman ISE & Beckman Unicel DXC series	4	9.0 - 11.0	C	9.96	0.16	5.6 - 7.6	C	6.64	0.10	10.6 - 12.6	C	11.63	0.18	8.6 - 10.6	C	9.56	0.14	12.3 - 14.3	C	13.27	0.16	50

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Clinical Data OCPC & Vital Diag CI Data ATAC8000	5	8.7 - 10.7	C	9.68	0.33	5.1 - 7.1	C	6.12	0.22	10.6 - 12.6	C	11.60	0.39	8.7 - 10.7	C	9.67	0.32	12.5 - 14.5	C	13.50	0.45	12
Clinical Data Envoy & Vital Diagnostics Envoy	6	9.1 - 11.1	C	10.13	0.21	5.9 - 7.9	C	6.86	0.20	10.7 - 12.7	C	11.74	0.22	8.5 - 10.5	C	9.54	0.25	12.4 - 14.4	C	13.42	0.27	12
Horiba ABX & Horiba ABX Pentra 400	7	9.7 - 11.7	C	10.66	0.25	5.6 - 7.6	C	6.62	0.17	11.8 - 13.8	C	12.76	0.35	9.0 - 11.0	C	9.98	0.23	13.9 - 15.9	C	14.94	0.37	12
J&J Vitros Arsenazo & J&J Vitros not DT or ECi	8	9.1 - 11.1	C	10.08	0.20	5.4 - 7.4	C	6.35	0.17	10.9 - 12.9	C	11.89	0.24	8.4 - 10.4	C	9.41	0.20	12.6 - 14.6	C	13.58	0.29	70
J&J Vitros Arsenazo & J&J Vitros 5,1 FS	9	9.0 - 11.0	C	9.95	0.23	5.2 - 7.2	C	6.24	0.14	10.8 - 12.8	C	11.75	0.26	8.3 - 10.3	C	9.29	0.21	12.4 - 14.4	C	13.39	0.36	17
SDI Biomed & SDI CA-240, 480	10	9.3 - 11.3	C	10.27	0.33	5.8 - 7.8	C	6.84	0.20	11.3 - 13.3	C	12.26	0.36	8.5 - 10.5	C	9.47	0.39	12.9 - 14.9	C	13.93	0.47	15
Siemens OCPC & Siemens Dimension Rxl	11	8.8 - 10.8	C	9.80	0.16	5.6 - 7.6	C	6.56	0.16	10.6 - 12.6	C	11.58	0.20	8.6 - 10.6	C	9.58	0.14	12.4 - 14.4	C	13.41	0.21	20
Siemens OCPC & Siemens Dimension Xpand	12	8.8 - 10.8	C	9.81	0.24	5.5 - 7.5	C	6.49	0.24	10.6 - 12.6	C	11.55	0.28	8.5 - 10.5	C	9.52	0.24	12.4 - 14.4	C	13.37	0.33	78
Siemens OCPC & Siemens Dimension EXL	13	8.8 - 10.8	C	9.84	0.18	5.5 - 7.5	C	6.52	0.17	10.6 - 12.6	C	11.56	0.20	8.5 - 10.5	C	9.49	0.17	12.3 - 14.3	C	13.29	0.24	22
Initial Grouping by Reagent																						
Abbott Arsenazo III	14	9.2 - 11.2	C	10.22	0.18	6.0 - 8.0	C	6.98	0.12	10.9 - 12.9	C	11.88	0.23	8.5 - 10.5	C	9.50	0.16	12.4 - 14.4	C	13.44	0.28	22
Alfa Wassermann Arsenazo	15	8.7 - 10.7	C	9.66	0.34	5.6 - 7.6	C	6.64	0.20	10.4 - 12.4	C	11.37	0.31	8.4 - 10.4	C	9.39	0.31	12.0 - 14.0	C	13.04	0.45	65
Beckman Arsenazo	16	9.0 - 11.0	C	9.98	0.24	5.8 - 7.8	C	6.80	0.27	10.7 - 12.7	C	11.67	0.27	8.5 - 10.5	C	9.51	0.33	12.3 - 14.3	C	13.34	0.34	30
Beckman ISE	17	9.0 - 11.0	C	9.99	0.18	5.7 - 7.7	C	6.66	0.11	10.7 - 12.7	C	11.66	0.19	8.6 - 10.6	C	9.57	0.16	12.3 - 14.3	C	13.28	0.18	67
Carolina Arsenazo III	18	9.2 - 11.2	C	10.24	0.51	6.1 - 8.1	C	7.08	0.35	10.9 - 12.9	C	11.94	0.48	8.7 - 10.7	C	9.71	0.38	12.6 - 14.6	C	13.56	0.41	28
Clinical Data OCPC	19	8.7 - 10.7	C	9.68	0.33	5.1 - 7.1	C	6.12	0.22	10.6 - 12.6	C	11.60	0.39	8.7 - 10.7	C	9.67	0.32	12.5 - 14.5	C	13.50	0.45	12
Clinical Data Envoy	20	9.1 - 11.1	C	10.13	0.21	5.9 - 7.9	C	6.86	0.20	10.7 - 12.7	C	11.74	0.22	8.5 - 10.5	C	9.54	0.25	12.4 - 14.4	C	13.42	0.27	12
DCL/Genzyme #140 Arsen III	21	9.1 - 11.1	C	10.14	0.31	6.1 - 8.1	C	7.07	0.42	10.6 - 12.6	C	11.63	0.40	8.5 - 10.5	C	9.55	0.29	12.3 - 14.3	C	13.26	0.46	21
Horiba ABX	22	9.7 - 11.7	C	10.66	0.25	5.6 - 7.6	C	6.62	0.17	11.8 - 13.8	C	12.76	0.35	9.0 - 11.0	C	9.98	0.23	13.9 - 15.9	C	14.94	0.37	12
J&J Vitros Arsenazo	23	9.0 - 11.0	C	10.05	0.21	5.3 - 7.3	C	6.32	0.16	10.8 - 12.8	C	11.85	0.24	8.4 - 10.4	C	9.38	0.20	12.5 - 14.5	C	13.53	0.30	97
Beckman Olympus OCPC-based	24	8.9 - 10.9	C	9.88	0.31	5.7 - 7.7	C	6.72	0.19	10.4 - 12.4	C	11.45	0.40	8.3 - 10.3	C	9.34	0.26	12.1 - 14.1	C	13.12	0.31	13
Beckman Olympus Arsenazo	25	9.0 - 11.0	C	9.99	0.20	5.8 - 7.8	C	6.76	0.18	10.6 - 12.6	C	11.62	0.27	8.4 - 10.4	C	9.42	0.19	12.3 - 14.3	C	13.28	0.34	45
Pointe Sci OCPC	26	9.0 - 11.0	C	9.96	0.36	5.6 - 7.6	C	6.65	0.47	10.7 - 12.7	C	11.73	0.68	8.6 - 10.6	C	9.61	0.34	12.4 - 14.4	C	13.36	0.74	19
Roche Cobas OCPC	27	9.1 - 11.1	C	10.08	0.30	5.3 - 7.3	C	6.34	0.21	11.0 - 13.0	C	12.03	0.42	8.7 - 10.7	C	9.73	0.35	13.0 - 15.0	C	14.02	0.45	45
Roche/Hitachi OCPC	28	9.0 - 11.0	C	10.05	0.34	5.5 - 7.5	C	6.55	0.25	10.8 - 12.8	C	11.82	0.39	8.6 - 10.6	C	9.65	0.39	12.7 - 14.7	C	13.66	0.49	11
SDI Biomed	29	9.3 - 11.3	C	10.27	0.32	5.9 - 7.9	C	6.89	0.29	11.3 - 13.3	C	12.27	0.35	8.4 - 10.4	C	9.45	0.39	12.9 - 14.9	C	13.94	0.46	16
Siemens arsenazo	30	9.1 - 11.1	C	10.11	0.23	6.0 - 8.0	C	7.00	0.25	10.7 - 12.7	C	11.73	0.25	8.5 - 10.5	C	9.50	0.17	12.3 - 14.3	C	13.33	0.23	14
Siemens OCPC	31	8.8 - 10.8	C	9.81	0.22	5.5 - 7.5	C	6.52	0.23	10.5 - 12.5	C	11.55	0.25	8.5 - 10.5	C	9.51	0.22	12.3 - 14.3	C	13.34	0.29	189
Initial Grouping by Sensitivity or Principle																						
Arsenazo-based	32	9.0 - 11.0	C	10.03	0.36	5.7 - 7.7	C	6.69	0.35	10.8 - 12.8	C	11.75	0.42	8.5 - 10.5	C	9.49	0.30	12.4 - 14.4	C	13.42	0.52	400
OCPC (o-cresolphth complex)	33	8.9 - 10.9	C	9.87	0.29	5.5 - 7.5	C	6.50	0.28	10.6 - 12.6	C	11.63	0.38	8.6 - 10.6	C	9.55	0.28	12.4 - 14.4	C	13.44	0.46	302
Other, electrochemical	34	9.0 - 11.0	C	10.00	0.20	5.6 - 7.6	C	6.64	0.14	10.7 - 12.7	C	11.69	0.22	8.5 - 10.5	C	9.54	0.21	12.4 - 14.4	C	13.36	0.31	76
Total Population																						
Whole Population	35	9.0 - 11.0	C	9.97	0.33	5.6 - 7.6	C	6.62	0.33	10.7 - 12.7	C	11.71	0.40	8.5 - 10.5	C	9.53	0.30	12.4 - 14.4	C	13.43	0.49	796

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
Chloride																	
Initial Grouping by Reagent and Instrument																	
Abbott ICT & Abbott Architect c, ci, i	1	96.0 - 106.0 P	101.0	1.1	110.0 - 122.0	P 116.2	1.3	88.0 - 98.0 P	93.0	0.9	101.0 - 112.0	P 106.5	1.3	81.0 - 89.0 P	85.1	0.9	14
Alfa Wassermann und ISE & Alfa Wasser ACE/Centr/Alera	2	98.0 - 109.0 P	103.5	1.3	116.0 - 128.0	P 121.8	1.3	89.0 - 98.0 P	93.7	1.5	100.0 - 110.0	P 104.7	1.2	80.0 - 88.0 P	84.0	1.8	60
Beckman dil ISE & Beckman Unicel DXC series	3	95.0 - 105.0 P	100.5	1.4	110.0 - 121.0	P 115.4	1.5	89.0 - 98.0 P	93.6	1.5	101.0 - 112.0	P 106.4	1.5	82.0 - 91.0 P	86.2	1.3	60
Clin Data ATAC 8000 dil ISE & Vital Diag CI Data ATAC8000	4	97.0 - 108.0 P	102.6	5.6	114.0 - 126.0	P 120.2	4.3	90.0 - 100.0 P	95.1	3.2	99.0 - 109.0 P	104.0	3.9	81.0 - 90.0 P	85.4	3.1	14
Clinical Data Envoy & Vital Diagnostics Envoy	5	101.0 - 112.0 P	106.2	2.6	119.0 - 131.0	P 125.1	2.4	92.0 - 102.0 P	97.2	2.4	100.0 - 111.0	P 105.3	2.2	84.0 - 93.0 P	88.3	2.6	12
Horiba ABX ISE & Horiba ABX Pentra 400	6	96.0 - 106.0 P	101.0	1.7	113.0 - 125.0	P 119.5	3.5	88.0 - 97.0 P	92.6	1.3	98.0 - 108.0 P	103.0	1.3	80.0 - 88.0 P	84.1	1.9	12
J&J Vitros und ISE & J&J Vitros not DT or ECi	7	95.0 - 105.0 P	99.6	1.6	110.0 - 122.0	P 115.9	1.8	88.0 - 97.0 P	92.3	1.5	100.0 - 110.0	P 104.9	1.7	81.0 - 89.0 P	84.8	1.5	70
J&J Vitros und ISE & J&J Vitros 5,1 FS	8	95.0 - 105.0 P	100.1	1.4	110.0 - 122.0	P 115.7	1.2	88.0 - 97.0 P	92.4	1.4	99.0 - 110.0 P	104.6	1.8	81.0 - 89.0 P	85.0	1.4	16
Medica EasyLyte und ISE & Medica EasyLyte series	9	99.0 - 109.0 P	104.1	2.0	117.0 - 129.0	P 123.2	3.0	90.0 - 99.0 P	94.6	1.5	100.0 - 110.0	P 104.8	1.3	81.0 - 89.0 P	85.2	2.1	20
SDI Biomed & SDI CA-240, 480	10	98.0 - 108.0 P	103.2	1.1	112.0 - 124.0	P 117.8	2.5	90.0 - 100.0 P	94.8	0.9	100.0 - 110.0	P 104.8	0.6	83.0 - 92.0 P	87.8	1.8	12
Siemens QuickLYTE IMT & Siemens Dimension Rxl	11	99.0 - 110.0 P	104.5	2.4	118.0 - 131.0	P 124.6	3.6	88.0 - 98.0 P	93.0	2.2	103.0 - 114.0	P 108.4	2.1	77.0 - 85.0 P	81.4	1.5	20
Siemens QuickLYTE IMT & Siemens Dimension Xpand	12	99.0 - 109.0 P	103.8	1.6	118.0 - 130.0	P 124.0	2.4	89.0 - 98.0 P	93.4	1.2	103.0 - 114.0	P 108.4	1.6	79.0 - 87.0 P	82.7	1.0	83
Siemens QuickLYTE IMT & Siemens Dimension EXL	13	98.0 - 108.0 P	103.0	2.1	116.0 - 128.0	P 122.1	3.0	88.0 - 97.0 P	92.7	1.3	102.0 - 113.0	P 107.8	1.6	78.0 - 86.0 P	82.3	0.9	23
Initial Grouping by Reagent																	
Abbott ICT	14	96.0 - 106.0 P	101.2	1.3	111.0 - 122.0	P 116.5	1.6	89.0 - 98.0 P	93.2	1.1	101.0 - 112.0	P 106.7	1.4	81.0 - 90.0 P	85.3	1.1	15
Alfa Wassermann und ISE	15	98.0 - 109.0 P	103.5	1.3	116.0 - 128.0	P 121.7	1.3	89.0 - 98.0 P	93.7	1.5	99.0 - 110.0 P	104.7	1.2	80.0 - 88.0 P	84.0	1.8	61
Beckman dil ISE	16	96.0 - 106.0 P	100.8	1.8	110.0 - 121.0	P 115.4	1.7	89.0 - 99.0 P	94.0	2.0	101.0 - 112.0	P 106.4	1.6	82.0 - 91.0 P	86.6	1.7	95
Carolina dil ISE	17	96.0 - 106.0 P	100.7	3.8	110.0 - 122.0	P 116.2	3.2	89.0 - 99.0 P	94.0	4.9	100.0 - 110.0	P 105.0	4.8	83.0 - 92.0 P	87.3	6.2	29
Clin Data ATAC 8000 dil ISE	18	97.0 - 108.0 P	102.6	5.6	114.0 - 126.0	P 120.2	4.3	90.0 - 100.0 P	95.1	3.2	99.0 - 109.0 P	104.0	3.9	81.0 - 90.0 P	85.4	3.1	14
Clinical Data Envoy	19	101.0 - 112.0 P	106.2	2.6	119.0 - 131.0	P 125.1	2.4	92.0 - 102.0 P	97.2	2.4	100.0 - 111.0	P 105.3	2.2	84.0 - 93.0 P	88.3	2.6	12
Horiba ABX ISE	20	96.0 - 106.0 P	100.9	1.7	113.0 - 125.0	P 119.2	3.5	88.0 - 97.0 P	92.6	1.3	98.0 - 108.0 P	103.2	1.3	80.0 - 88.0 P	84.2	1.9	13
J&J Vitros und ISE	21	95.0 - 105.0 P	99.7	1.6	110.0 - 122.0	P 115.9	1.7	88.0 - 97.0 P	92.4	1.4	100.0 - 110.0	P 104.8	1.7	81.0 - 89.0 P	84.9	1.5	97

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs	
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD		
Medica EasyLyte und ISE	22	98.0 - 109.0 P	103.7	2.3	117.0 - 129.0	P 122.8	3.5	89.0 - 99.0 P	94.1	1.9	99.0 - 110.0 P	104.6	1.6	81.0 - 89.0 P	85.1	2.3	25	
Beckman Olympus dil ISE	23	95.0 - 105.0 P	100.2	1.3	110.0 - 122.0	P 115.9	1.4	88.0 - 97.0 P	92.7	1.3	101.0 - 112.0	P 106.4	1.2	81.0 - 89.0 P	84.7	1.4	67	
Roche Cobas Integra dil ISE	24	96.0 - 106.0 P	101.0	2.0	113.0 - 125.0	P 119.1	2.3	87.0 - 97.0 P	91.9	1.9	101.0 - 111.0	P 105.9	1.2	78.0 - 87.0 P	82.6	2.0	33	
Roche Cobas und ISE	25	96.0 - 107.0 P	101.6	3.0	112.0 - 124.0	P 118.2	2.0	89.0 - 98.0 P	93.3	3.7	101.0 - 112.0	P 106.6	2.6	80.0 - 89.0 P	84.6	4.2	20	
Roche/Hitachi dil ISE	26	95.0 - 105.0 P	100.3	2.2	112.0 - 124.0	P 118.4	2.8	87.0 - 96.0 P	91.6	2.0	101.0 - 112.0	P 106.8	3.0	78.0 - 87.0 P	82.5	2.4	17	
SDI Biomed	27	98.0 - 108.0 P	102.9	0.6	112.0 - 124.0	P 117.8	2.5	90.0 - 100.0 P	94.8	0.9	100.0 - 110.0	P 104.8	0.6	83.0 - 92.0 P	87.8	1.8	12	
Siemens dil ISE	28	98.0 - 108.0 P	102.8	1.7	113.0 - 125.0	P 119.3	1.9	89.0 - 99.0 P	93.9	2.1	102.0 - 113.0	P 107.2	1.4	81.0 - 90.0 P	85.5	1.4	15	
Siemens QuickLYTE IMT	29	98.0 - 109.0 P	103.6	2.0	118.0 - 130.0	P 123.9	3.0	89.0 - 98.0 P	93.2	1.5	103.0 - 114.0	P 108.4	1.7	78.0 - 87.0 P	82.4	1.3	190	
Initial Grouping by Sensitivity or Principle																		
Colorimetric	30	98.0 - 108.0 P	102.9	1.6	111.0 - 122.0	P 116.5	4.8	90.0 - 100.0 P	94.8	2.1	101.0 - 111.0	P 106.1	2.5	83.0 - 92.0 P	87.5	1.7	24	
Diluted ISE	31	97.0 - 107.0 P	102.1	2.7	114.0 - 126.0	P 119.6	4.6	89.0 - 98.0 P	93.4	2.3	102.0 - 112.0	P 106.9	2.4	80.0 - 89.0 P	84.4	2.9	510	
Undiluted ISE	32	97.0 - 107.0 P	101.7	3.3	113.0 - 125.0	P 119.0	4.4	89.0 - 98.0 P	93.3	2.9	100.0 - 110.0	P 105.0	2.5	81.0 - 89.0 P	84.9	2.9	243	
Total Population																		
Whole Population	33	97.0 - 107.0 P	102.0	2.9	113.0 - 125.0	P 119.3	4.6	89.0 - 98.0 P	93.4	2.5	101.0 - 112.0	P 106.3	2.6	80.0 - 89.0 P	84.6	2.9	791	

Cholesterol, Total

Initial Grouping by Reagent and Instrument																		
Abbott & Abbott Architect c, ci, i	1	200.0 - 244.0	P 221.8	3.6	221.0 - 270.0	P 245.3	3.8	190.0 - 232.0	P 210.9	3.1	96.0 - 117.0 P	106.2	2.1	179.0 - 219.0	P 199.1	3.2	21	
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	197.0 - 241.0	P 219.4	6.2	217.0 - 265.0	P 241.1	5.2	187.0 - 229.0	P 208.2	5.4	97.0 - 119.0 P	108.1	3.1	178.0 - 217.0	P 197.6	4.4	57	
Beckman & Beckman Unicel DXC series	3	202.0 - 246.0	P 224.0	4.1	224.0 - 274.0	P 249.3	5.1	191.0 - 233.0	P 211.7	4.5	103.0 - 126.0	P 114.1	2.0	180.0 - 220.0	P 199.9	3.2	56	
Clinical Data & Vital Diag CI Data ATAC8000	4	198.0 - 242.0	P 220.0	6.2	222.0 - 271.0	P 246.2	6.5	189.0 - 231.0	P 210.2	8.9	104.0 - 127.0	P 115.1	2.5	180.0 - 220.0	P 200.2	7.5	12	
Clinical Data Envoy & Vital Diagnostics Envoy	5	200.0 - 245.0	P 222.7	9.3	225.0 - 275.0	P 249.7	9.6	189.0 - 231.0	P 210.0	7.6	103.0 - 126.0	P 114.5	5.4	176.0 - 216.0	P 196.0	7.5	11	
Horiba ABX & Horiba ABX Pentra 400	6	198.0 - 242.0	P 220.4	8.0	221.0 - 270.0	P 245.3	13.5	190.0 - 232.0	P 211.0	10.8	98.0 - 120.0 P	109.0	5.5	180.0 - 219.0	P 199.5	7.9	10	
J&J Vitros & J&J Vitros not DT or ECi	7	207.0 - 254.0	P 230.5	7.3	232.0 - 284.0	P 258.3	9.3	196.0 - 239.0	P 217.3	7.3	100.0 - 122.0	P 111.1	5.2	184.0 - 225.0	P 204.1	7.7	59	
J&J Vitros & J&J Vitros 5,1 FS	8	207.0 - 253.0	P 229.8	6.7	234.0 - 286.0	P 259.8	5.6	193.0 - 236.0	P 214.5	5.9	97.0 - 119.0 P	107.9	3.7	180.0 - 220.0	P 200.1	5.9	17	

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs	
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD
Pointe Sci & Pointe Sci 180/Sterl 2000	9	200.0 - 245.0	P 222.6	6.4		221.0 - 270.0	P 245.3	6.4		189.0 - 232.0	P 210.6	6.4		100.0 - 122.0	P 111.2	5.0		179.0 - 219.0	P 198.6	4.6	20
SDI Biomed & SDI CA-240, 480	10	214.0 - 261.0	P 237.3	7.9		237.0 - 289.0	P 263.1	6.4		210.0 - 256.0	P 232.9	10.1		106.0 - 130.0	P 117.8	2.6		200.0 - 245.0	P 222.4	7.0	14
Siemens - all other spectro & Siemens Dimension RxI	11	200.0 - 244.0	P 221.8	5.3		221.0 - 270.0	P 245.4	6.2		190.0 - 232.0	P 211.0	5.6		94.0 - 115.0	P 104.3	2.8		179.0 - 219.0	P 199.2	5.3	20
Siemens - all other spectro & Siemens Dimension Xpand	12	198.0 - 243.0	P 220.5	5.9		219.0 - 267.0	P 243.0	6.5		188.0 - 229.0	P 208.6	5.9		93.0 - 114.0	P 103.9	3.9		177.0 - 217.0	P 197.1	5.8	74
Siemens - all other spectro & Siemens Dimension EXL	13	197.0 - 241.0	P 219.2	6.8		217.0 - 265.0	P 240.9	6.9		187.0 - 229.0	P 207.8	4.5		93.0 - 114.0	P 103.4	3.0		177.0 - 216.0	P 196.3	4.6	22
Sterling #2145 & Other spectrophotometers	14	188.0 - 229.0	P 208.6	8.8		209.0 - 255.0	P 231.7	7.7		179.0 - 219.0	P 198.8	7.3		97.0 - 118.0	P 107.3	4.2		168.0 - 206.0	P 187.0	2.5	16
Initial Grouping by Reagent																					
Abbott	15	200.0 - 244.0	P 221.9	3.5		221.0 - 270.0	P 245.3	3.6		190.0 - 232.0	P 210.8	2.9		95.0 - 117.0	P 106.0	2.1		179.0 - 219.0	P 199.0	3.1	23
Alfa Wassermann	16	197.0 - 241.0	P 219.4	6.2		217.0 - 265.0	P 241.1	5.2		187.0 - 229.0	P 208.2	5.4		97.0 - 119.0	P 108.1	3.1		178.0 - 217.0	P 197.6	4.4	57
Beckman	17	201.0 - 246.0	P 223.6	4.3		225.0 - 274.0	P 249.4	5.4		190.0 - 232.0	P 211.3	4.4		103.0 - 125.0	P 114.0	2.3		180.0 - 220.0	P 199.6	3.8	82
Carolina	18	196.0 - 239.0	P 217.6	7.6		218.0 - 266.0	P 242.0	7.6		186.0 - 227.0	P 206.6	6.5		93.0 - 113.0	P 102.8	5.8		175.0 - 214.0	P 195.0	6.8	29
Clinical Data	19	198.0 - 242.0	P 220.0	6.2		222.0 - 271.0	P 246.2	6.5		189.0 - 231.0	P 210.2	8.9		104.0 - 127.0	P 115.1	2.5		180.0 - 220.0	P 200.2	7.5	12
Clinical Data Envoy	20	200.0 - 245.0	P 222.7	9.3		225.0 - 275.0	P 249.7	9.6		189.0 - 231.0	P 210.0	7.6		103.0 - 126.0	P 114.5	5.4		176.0 - 216.0	P 196.0	7.5	11
DCL/Genzyme	21	200.0 - 245.0	P 222.6	8.2		221.0 - 271.0	P 246.1	8.2		190.0 - 232.0	P 211.3	9.5		96.0 - 117.0	P 106.1	4.0		178.0 - 218.0	P 198.2	8.4	23
Horiba ABX	22	198.0 - 242.0	P 220.4	8.0		221.0 - 270.0	P 245.3	13.5		190.0 - 232.0	P 211.0	10.8		98.0 - 120.0	P 109.0	5.5		180.0 - 219.0	P 199.5	7.9	10
J&J Vitros	23	207.0 - 253.0	P 230.3	6.8		233.0 - 284.0	P 258.6	8.5		195.0 - 238.0	P 216.6	6.9		99.0 - 122.0	P 110.5	5.0		183.0 - 224.0	P 203.4	7.6	89
Beckman Olympus	24	192.0 - 235.0	P 213.7	4.9		213.0 - 260.0	P 236.2	5.3		183.0 - 224.0	P 203.3	4.8		92.0 - 112.0	P 101.8	2.4		172.0 - 211.0	P 191.5	4.3	54
Pointe Sci	25	201.0 - 245.0	P 223.1	9.5		222.0 - 271.0	P 246.5	11.5		190.0 - 232.0	P 211.2	9.5		99.0 - 121.0	P 110.1	6.0		180.0 - 220.0	P 200.4	7.3	45
Roche Cobas	26	198.0 - 242.0	P 219.9	7.6		219.0 - 267.0	P 243.1	7.6		188.0 - 230.0	P 208.6	6.3		97.0 - 118.0	P 107.6	4.0		177.0 - 217.0	P 197.0	6.1	46
Roche/Hitachi	27	198.0 - 241.0	P 219.5	6.1		219.0 - 267.0	P 242.9	5.1		189.0 - 231.0	P 209.8	6.7		98.0 - 119.0	P 108.6	3.7		177.0 - 216.0	P 196.7	4.1	12
SDI Biomed	28	214.0 - 261.0	P 237.3	7.9		237.0 - 289.0	P 263.1	6.4		210.0 - 256.0	P 232.9	10.1		106.0 - 130.0	P 117.8	2.6		200.0 - 245.0	P 222.4	7.0	14
Siemens - all other spectro	29	198.0 - 242.0	P 220.5	6.0		219.0 - 267.0	P 243.0	6.5		188.0 - 230.0	P 208.8	5.5		94.0 - 115.0	P 104.7	4.5		177.0 - 217.0	P 197.0	5.4	195
Sterling #2145	30	187.0 - 229.0	P 208.2	7.4		208.0 - 255.0	P 231.5	6.8		179.0 - 219.0	P 199.0	6.1		94.0 - 115.0	P 104.8	4.7		168.0 - 205.0	P 186.2	3.6	26
Initial Grouping by Sensitivity or Principle																					

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
All enzymatic cholesterol	31	199.0 - 244.0	P	221.4	9.9	221.0 - 270.0	P	245.5	11.0	189.0 - 231.0	P	210.1	9.0	97.0 - 119.0	P	108.2	7.6	178.0 - 218.0	P	198.0	8.8	783
Total Population																						
Whole Population	32	199.0 - 244.0	P	221.6	9.1	221.0 - 270.0	P	245.6	10.5	189.0 - 231.0	P	210.1	9.0	97.0 - 119.0	P	107.9	6.1	178.0 - 218.0	P	198.0	8.8	796

Creatinine

Initial Grouping by Reagent and Instrument

Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	0.6 - 1.2	C	0.90	0.00	1.0 - 1.6	C	1.32	0.05	0.4 - 1.0	C	0.74	0.05	6.2 - 8.4	P	7.26	0.21	0.3 - 0.9	C	0.60	0.00	19
Alfa Wassermann nonenz rate & Alfa Wasser ACE/Centr/Alera	2	0.5 - 1.1	C	0.78	0.07	0.8 - 1.4	C	1.06	0.08	0.3 - 0.9	C	0.65	0.07	5.7 - 7.7	P	6.70	0.27	0.2 - 0.8	C	0.50	0.06	69
Beckman nonenz rate & Beckman Unicel DXC series	3	0.4 - 1.0	C	0.74	0.08	0.8 - 1.4	C	1.09	0.08	0.2 - 0.8	C	0.54	0.06	6.2 - 8.3	P	7.24	0.20	0.1 - 0.7	C	0.37	0.06	38
Beckman Synchron IDMS trace & Beckman Unicel DXC series	4	0.4 - 1.1	C	0.75	0.05	0.8 - 1.4	C	1.08	0.06	0.2 - 0.8	C	0.54	0.05	6.1 - 8.3	P	7.20	0.16	0.0 - 0.6	C	0.34	0.05	21
Clin Data ATAC nonenz rate & Vital Diag CI Data ATAC8000	5	0.5 - 1.2	C	0.85	0.14	0.8 - 1.4	C	1.12	0.12	0.4 - 1.1	C	0.75	0.07	6.0 - 8.1	P	7.08	0.24	0.3 - 0.9	C	0.56	0.07	13
Clinical Data Envoy & Vital Diagnostics Envoy	6	0.6 - 1.2	C	0.88	0.10	1.0 - 1.6	C	1.29	0.10	0.4 - 1.0	C	0.70	0.09	5.9 - 8.0	P	6.95	0.36	0.2 - 0.8	C	0.46	0.05	14
Horiba ABX & Horiba ABX Pentra 400	7	0.6 - 1.2	C	0.88	0.11	0.9 - 1.5	C	1.21	0.07	0.4 - 1.0	C	0.71	0.08	6.0 - 8.1	P	7.07	0.11	0.2 - 0.8	C	0.51	0.07	12
J&J Vitros 1-slide enz & J&J Vitros not DT or ECi	8	0.4 - 1.0	C	0.74	0.05	0.5 - 1.1	C	0.82	0.05	0.4 - 1.0	C	0.66	0.05	5.7 - 7.7	P	6.73	0.14	0.2 - 0.8	C	0.50	0.00	58
J&J Vitros 1-slide enz & J&J Vitros 5,1 FS	9	0.4 - 1.0	C	0.72	0.04	0.5 - 1.1	C	0.80	0.00	0.4 - 1.0	C	0.66	0.05	5.8 - 7.8	P	6.79	0.15	0.2 - 0.8	C	0.50	0.00	15
J&J Vitros IDMS traceable & J&J Vitros not DT or ECi	10	0.4 - 1.0	C	0.73	0.05	0.5 - 1.1	C	0.82	0.04	0.3 - 1.0	C	0.65	0.05	5.7 - 7.8	P	6.76	0.13	0.2 - 0.8	C	0.50	0.00	12
SDI Biomed & SDI CA-240, 480	11	0.5 - 1.1	C	0.81	0.05	0.8 - 1.4	C	1.14	0.07	0.4 - 1.0	C	0.67	0.06	5.2 - 7.0	P	6.08	0.31	0.2 - 0.8	C	0.48	0.07	16
Siemens enz & Siemens Dimension Rxl	12	0.6 - 1.2	C	0.85	0.05	0.9 - 1.5	C	1.22	0.08	0.4 - 1.0	C	0.65	0.05	6.3 - 8.5	P	7.39	0.13	0.2 - 0.8	C	0.50	0.00	11
Siemens enz & Siemens Dimension Xpand	13	0.5 - 1.1	C	0.81	0.07	0.9 - 1.5	C	1.20	0.07	0.3 - 0.9	C	0.61	0.07	6.2 - 8.4	P	7.29	0.15	0.2 - 0.8	C	0.46	0.07	48
Siemens enz & Siemens Dimension EXL	14	0.5 - 1.1	C	0.81	0.07	0.9 - 1.5	C	1.19	0.07	0.3 - 0.9	C	0.61	0.07	6.3 - 8.5	P	7.39	0.15	0.2 - 0.8	C	0.46	0.05	14
Siemens nonenz rate & Siemens Dimension Xpand	15	0.5 - 1.1	C	0.84	0.10	0.9 - 1.5	C	1.23	0.09	0.3 - 0.9	C	0.65	0.08	6.3 - 8.5	P	7.36	0.15	0.2 - 0.8	C	0.48	0.07	29

Initial Grouping by Reagent

Abbott Aeroset/Architect	16	0.6 - 1.2	C	0.90	0.00	1.0 - 1.6	C	1.32	0.05	0.4 - 1.0	C	0.74	0.05	6.2 - 8.4	P	7.28	0.21	0.3 - 0.9	C	0.60	0.00	21
Alfa Wassermann nonenz rate	17	0.5 - 1.1	C	0.78	0.07	0.8 - 1.4	C	1.06	0.08	0.3 - 0.9	C	0.65	0.07	5.7 - 7.7	P	6.70	0.27	0.2 - 0.8	C	0.50	0.06	69
Beckman nonenz rate	18	0.4 - 1.0	C	0.75	0.09	0.8 - 1.4	C	1.10	0.11	0.3 - 0.9	C	0.55	0.08	6.2 - 8.3	P	7.24	0.20	0.1 - 0.7	C	0.37	0.07	63
Beckman Synchron IDMS trace	19	0.5 - 1.1	C	0.76	0.06	0.8 - 1.4	C	1.11	0.08	0.3 - 0.9	C	0.57	0.07	6.1 - 8.3	P	7.20	0.17	0.0 - 0.6	C	0.34	0.05	31
Carolina nonenz rate	20	0.6 - 1.2	C	0.92	0.11	1.0 - 1.6	C	1.27	0.10	0.4 - 1.0	C	0.73	0.12	6.4 - 8.6	P	7.49	0.25	0.2 - 0.8	C	0.54	0.11	32
Clin Data ATAC nonenz rate	21	0.5 - 1.2	C	0.85	0.14	0.8 - 1.4	C	1.12	0.12	0.4 - 1.1	C	0.75	0.07	6.0 - 8.1	P	7.08	0.24	0.3 - 0.9	C	0.56	0.07	13

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD	Range & Type	Mean	SD	
Clinical Data Envoy	22	0.6 - 1.2	C 0.88	0.10	1.0 - 1.6	C 1.29	0.10		0.4 - 1.0	C 0.70	0.09		5.9 - 8.0	P 6.95	0.36	0.2 - 0.8	C 0.46	0.05	14	
DCL/Genzyme nonenz rate	23	0.6 - 1.2	C 0.87	0.11	0.9 - 1.6	C 1.25	0.13		0.4 - 1.0	C 0.72	0.08		5.8 - 7.9	P 6.85	0.28	0.3 - 0.9	C 0.55	0.09	22	
Horiba ABX	24	0.6 - 1.2	C 0.88	0.11	0.9 - 1.5	C 1.21	0.07		0.4 - 1.0	C 0.71	0.08		6.0 - 8.2	P 7.10	0.07	0.2 - 0.8	C 0.51	0.07	12	
J&J Vitros 1-slide enz	25	0.4 - 1.0	C 0.74	0.05	0.5 - 1.1	C 0.81	0.04		0.4 - 1.0	C 0.67	0.05		5.7 - 7.8	P 6.75	0.15	0.2 - 0.8	C 0.50	0.00	85	
J&J Vitros IDMS traceable	26	0.4 - 1.0	C 0.74	0.05	0.5 - 1.1	C 0.81	0.03		0.3 - 1.0	C 0.65	0.05		5.8 - 7.8	P 6.78	0.12	0.2 - 0.8	C 0.50	0.00	16	
Beckman Olympus nonenz rate	27	0.5 - 1.1	C 0.82	0.06	0.9 - 1.5	C 1.20	0.05		0.3 - 0.9	C 0.62	0.05		6.0 - 8.2	P 7.09	0.18	0.1 - 0.7	C 0.42	0.05	60	
Pointe Sci nonenz rate	28	0.6 - 1.2	C 0.87	0.12	0.9 - 1.5	C 1.18	0.16		0.4 - 1.0	C 0.73	0.11		6.0 - 8.1	P 7.06	0.82	0.2 - 0.8	C 0.53	0.08	24	
Roche Cobas nonenz rate	29	0.5 - 1.1	C 0.76	0.10	0.8 - 1.4	C 1.09	0.14		0.3 - 0.9	C 0.58	0.09		6.0 - 8.1	P 7.02	0.40	0.1 - 0.7	C 0.38	0.07	44	
SDI Biomed	30	0.5 - 1.1	C 0.81	0.05	0.8 - 1.4	C 1.14	0.07		0.4 - 1.0	C 0.67	0.06		5.2 - 7.0	P 6.08	0.31	0.2 - 0.8	C 0.48	0.07	16	
Siemens enz	31	0.5 - 1.1	C 0.82	0.07	0.9 - 1.5	C 1.20	0.07		0.3 - 0.9	C 0.63	0.07		6.2 - 8.4	P 7.32	0.16	0.2 - 0.8	C 0.46	0.07	131	
Siemens ADVIA	32	0.6 - 1.2	C 0.93	0.12	1.0 - 1.6	C 1.34	0.12		0.4 - 1.0	C 0.73	0.09		5.9 - 8.0	P 6.94	0.21	0.2 - 0.8	C 0.51	0.11	15	
Siemens nonenz rate	33	0.5 - 1.1	C 0.84	0.08	0.9 - 1.5	C 1.23	0.08		0.3 - 0.9	C 0.65	0.07		6.3 - 8.5	P 7.36	0.14	0.2 - 0.8	C 0.48	0.07	54	
Initial Grouping by Sensitivity or Principle																				
Enzymatic methods	34	0.5 - 1.1	C 0.80	0.08	0.8 - 1.4	C 1.09	0.20		0.3 - 0.9	C 0.64	0.07		6.1 - 8.2	P 7.12	0.33	0.2 - 0.8	C 0.47	0.06	237	
Nonenzymatic endpoint	35	0.6 - 1.2	C 0.90	0.14	0.8 - 1.4	C 1.15	0.12		0.4 - 1.0	C 0.73	0.13		5.6 - 7.6	P 6.61	0.76	0.3 - 0.9	C 0.57	0.17	26	
Nonenzymatic rate	36	0.5 - 1.1	C 0.83	0.12	0.9 - 1.5	C 1.17	0.14		0.4 - 1.0	C 0.66	0.11		6.0 - 8.1	P 7.07	0.41	0.2 - 0.8	C 0.48	0.22	481	
IDMS traceable	37	0.5 - 1.1	C 0.75	0.06	0.7 - 1.3	C 1.02	0.16		0.3 - 0.9	C 0.60	0.07		6.0 - 8.1	P 7.08	0.27	0.1 - 0.7	C 0.35	0.06	50	
Total Population																				
Whole Population	38	0.5 - 1.1	C 0.81	0.10	0.8 - 1.4	C 1.14	0.16		0.3 - 0.9	C 0.65	0.08		6.0 - 8.1	P 7.08	0.41	0.2 - 0.8	C 0.48	0.07	817	

Glucose

Initial Grouping by Reagent and Instrument

Abbott HK & Abbott Architect c, ci, i	1	131.0 - 160.0	P 145.1	1.3	42.0 - 54.0	C 47.6	0.7		176.0 - 215.0	P 195.8	2.6		89.0 - 108.0	P 98.4	1.1	222.0 - 271.0	P 246.2	3.4	21
Alfa Wassermann HK & Alfa Wasser ACE/Centr/Alera	2	134.0 - 163.0	P 148.5	4.1	46.0 - 58.0	C 52.2	1.9		178.0 - 218.0	P 198.1	5.4		89.0 - 108.0	P 98.6	2.9	223.0 - 272.0	P 247.3	7.5	70
Beckman HK & Beckman Unicel DXC series	3	135.0 - 165.0	P 150.2	2.9	46.0 - 58.0	C 52.3	1.3		180.0 - 220.0	P 199.6	3.1		90.0 - 110.0	P 99.7	2.1	225.0 - 275.0	P 250.0	4.8	26
Beckman O2 electrode & Beckman Unicel DXC series	4	133.0 - 162.0	P 147.4	4.7	44.0 - 56.0	C 49.5	3.0		178.0 - 217.0	P 197.6	5.1		89.0 - 108.0	P 98.5	3.1	222.0 - 271.0	P 246.6	6.5	26
Clinical Data ATAC HK & Vital Diag CI Data ATAC8000	5	135.0 - 165.0	P 150.2	3.7	46.0 - 58.0	C 51.8	2.0		179.0 - 218.0	P 198.6	5.3		88.0 - 108.0	P 98.2	2.6	225.0 - 275.0	P 250.0	7.7	13
Clinical Data Envoy & Vital Diagnostics Envoy	6	135.0 - 165.0	P 149.8	6.4	46.0 - 58.0	C 52.4	2.4		182.0 - 222.0	P 201.9	6.9		87.0 - 107.0	P 97.1	3.5	226.0 - 276.0	P 251.2	7.2	14
Horiba ABX & Horiba ABX Pentra 400	7	135.0 - 165.0	P 149.9	5.5	44.0 - 56.0	C 49.9	2.4		178.0 - 218.0	P 197.8	7.2		89.0 - 109.0	P 99.3	2.6	222.0 - 271.0	P 246.6	12.0	12
J&J Vitros GO & J&J Vitros DT series	8	137.0 - 167.0	P 152.1	4.6	46.0 - 58.0	C 51.6	4.0		179.0 - 219.0	P 199.3	4.8		83.0 - 101.0	P 91.8	3.3	219.0 - 268.0	P 243.7	6.0	13
J&J Vitros GO & J&J Vitros not DT or ECi	9	132.0 - 162.0	P 146.8	3.0	44.0 - 56.0	C 49.7	1.6		175.0 - 214.0	P 194.9	3.8		82.0 - 101.0	P 91.7	2.0	217.0 - 266.0	P 241.5	3.8	70
J&J Vitros GO & J&J Vitros 5,1 FS	10	130.0 - 159.0	P 144.9	2.4	43.0 - 55.0	C 49.1	1.2		173.0 - 212.0	P 192.7	3.9		81.0 - 99.0	P 89.9	1.4	215.0 - 263.0	P 238.7	4.9	17

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
SDI Biomed & SDI CA-240, 480	11	139.0 - 170.0	P 154.8	4.3	46.0 - 58.0	C 52.4	1.4	187.0 - 229.0	P 208.1	8.2	92.0 - 112.0	P 102.2	3.4	232.0 - 284.0	P 257.9	8.7	16
Siemens HK & Siemens Dimension Rxl	12	134.0 - 163.0	P 148.4	2.8	46.0 - 58.0	C 52.4	1.4	177.0 - 216.0	P 196.4	3.2	89.0 - 109.0	P 98.8	1.8	220.0 - 268.0	P 243.9	2.4	20
Siemens HK & Siemens Dimension Xpand	13	133.0 - 162.0	P 147.3	2.9	46.0 - 58.0	C 51.8	1.8	175.0 - 214.0	P 194.7	3.7	88.0 - 108.0	P 97.8	2.7	217.0 - 266.0	P 241.6	4.6	78
Siemens HK & Siemens Dimension EXL	14	133.0 - 163.0	P 148.0	2.8	47.0 - 59.0	C 52.6	1.5	176.0 - 215.0	P 195.5	3.9	88.0 - 108.0	P 98.1	1.7	217.0 - 266.0	P 241.7	4.1	23
Sterling GO & Other spectrophotometers	15	134.0 - 164.0	P 148.8	4.3	43.0 - 55.0	C 49.2	2.6	179.0 - 219.0	P 198.7	4.9	87.0 - 106.0	P 96.6	2.4	227.0 - 278.0	P 252.6	5.7	11
Initial Grouping by Reagent																	
Abbott HK	16	131.0 - 160.0	P 145.8	2.6	42.0 - 54.0	C 47.7	0.8	177.0 - 216.0	P 196.4	3.4	89.0 - 109.0	P 98.7	1.5	222.0 - 272.0	P 247.1	4.5	23
Alfa Wassermann HK	17	134.0 - 163.0	P 148.5	4.1	46.0 - 58.0	C 52.2	1.9	178.0 - 218.0	P 198.1	5.4	89.0 - 108.0	P 98.6	2.9	223.0 - 272.0	P 247.3	7.5	70
Beckman HK	18	135.0 - 165.0	P 149.8	2.9	46.0 - 58.0	C 51.6	1.7	179.0 - 219.0	P 198.9	3.4	89.0 - 109.0	P 99.0	2.0	224.0 - 274.0	P 248.7	5.1	50
Beckman O2 electrode	19	132.0 - 162.0	P 147.2	4.2	43.0 - 55.0	C 48.5	3.2	178.0 - 217.0	P 197.4	4.7	89.0 - 109.0	P 98.7	2.7	221.0 - 271.0	P 245.9	5.9	37
Carolina HK	20	131.0 - 160.0	P 145.6	6.4	43.0 - 55.0	C 49.0	3.0	175.0 - 213.0	P 194.1	7.5	86.0 - 106.0	P 96.0	5.0	220.0 - 269.0	P 244.6	11.7	25
Clinical Data ATAC HK	21	135.0 - 165.0	P 150.2	3.7	46.0 - 58.0	C 51.8	2.0	178.0 - 217.0	P 197.4	3.3	88.0 - 108.0	P 98.2	2.6	225.0 - 275.0	P 250.0	7.7	13
Clinical Data Envoy	22	135.0 - 165.0	P 149.8	6.4	46.0 - 58.0	C 52.4	2.4	182.0 - 222.0	P 201.9	6.9	87.0 - 107.0	P 97.1	3.5	226.0 - 276.0	P 251.2	7.2	14
DCL/Genzyme HK	23	135.0 - 165.0	P 150.4	5.7	45.0 - 57.0	C 51.1	2.6	181.0 - 222.0	P 201.6	7.4	91.0 - 112.0	P 101.5	4.1	229.0 - 280.0	P 254.5	8.8	21
Horiba ABX	24	135.0 - 165.0	P 149.9	5.5	44.0 - 56.0	C 49.9	2.4	178.0 - 218.0	P 197.8	7.2	89.0 - 109.0	P 99.3	2.6	222.0 - 271.0	P 246.6	12.0	12
J&J Vitros GO	25	132.0 - 162.0	P 147.1	3.7	44.0 - 56.0	C 49.9	2.0	176.0 - 215.0	P 195.1	4.2	82.0 - 101.0	P 91.4	2.2	217.0 - 265.0	P 241.3	4.4	109
Beckman Olympus HK	26	129.0 - 158.0	P 143.9	4.1	41.0 - 53.0	C 47.3	1.2	174.0 - 212.0	P 193.1	5.4	88.0 - 108.0	P 98.3	2.4	218.0 - 266.0	P 242.0	7.0	60
Pointe Sci HK	27	139.0 - 170.0	P 154.7	6.3	49.0 - 61.0	C 54.7	4.5	186.0 - 227.0	P 206.5	10.8	93.0 - 113.0	P 103.0	5.3	230.0 - 281.0	P 255.7	11.1	23
Roche Cobas HK	28	132.0 - 161.0	P 146.4	4.0	43.0 - 55.0	C 48.6	1.5	177.0 - 216.0	P 196.2	5.9	89.0 - 109.0	P 98.9	2.8	221.0 - 270.0	P 245.7	7.4	48
Roche/Hitachi HK	29	132.0 - 161.0	P 146.6	2.1	43.0 - 55.0	C 48.6	1.2	176.0 - 215.0	P 195.3	3.9	89.0 - 108.0	P 98.6	1.6	221.0 - 271.0	P 246.0	6.1	11
SDI Biomed	30	139.0 - 170.0	P 154.8	4.3	46.0 - 58.0	C 52.4	1.4	187.0 - 229.0	P 208.1	8.2	92.0 - 112.0	P 102.2	3.4	232.0 - 284.0	P 257.9	8.7	16
Siemens HK	31	133.0 - 162.0	P 147.7	3.1	46.0 - 58.0	C 51.9	1.9	176.0 - 215.0	P 195.5	4.1	88.0 - 108.0	P 98.2	2.8	218.0 - 267.0	P 242.7	5.0	203
Sterling GO	32	133.0 - 163.0	P 148.0	4.5	44.0 - 56.0	C 49.7	2.4	178.0 - 217.0	P 197.7	5.6	87.0 - 106.0	P 96.6	2.4	226.0 - 276.0	P 250.9	6.2	21
Initial Grouping by Sensitivity or Principle																	

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Glucose Oxidase (GO)	33	133.0 - 163.0	P	147.8	7.1	46.0 - 58.0	C	51.6	15.8	176.0 - 215.0	P	195.2	12.4	85.0 - 104.0	P	94.6	9.2	220.0 - 268.0	P	244.1	8.0	173
HexoKinase (HK) low recov	34	133.0 - 162.0	P	147.5	4.4	44.0 - 56.0	C	50.5	2.6	177.0 - 216.0	P	196.3	5.9	89.0 - 108.0	P	98.6	3.2	221.0 - 270.0	P	245.1	7.7	494
HexoKinase (HK) high recov	35	134.0 - 164.0	P	149.4	7.3	47.0 - 59.0	C	52.7	3.3	180.0 - 220.0	P	200.1	8.1	89.0 - 109.0	P	98.8	6.2	224.0 - 273.0	P	248.5	13.9	131
Oxygen electrode	36	132.0 - 162.0	P	147.2	4.2	43.0 - 55.0	C	48.5	3.2	178.0 - 217.0	P	197.4	4.7	89.0 - 109.0	P	98.7	2.7	221.0 - 271.0	P	245.9	5.9	37
Total Population																						
Whole Population	37	133.0 - 163.0	P	147.8	5.0	45.0 - 57.0	C	50.6	2.8	177.0 - 217.0	P	196.9	6.4	88.0 - 108.0	P	97.8	4.1	221.0 - 270.0	P	245.6	8.1	850

Phosphorus

Initial Grouping by Reagent and Instrument

Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	2.4 - 3.3	P	2.84	0.07	3.0 - 4.0	P	3.49	0.08	2.1 - 2.9	C	2.47	0.07	5.0 - 6.8	P	5.92	0.09	1.7 - 2.5	C	2.14	0.08	20
Beckman Synchron PHS & Beckman Unicel DXC series	2	2.4 - 3.3	P	2.85	0.11	3.0 - 4.1	P	3.56	0.12	2.1 - 2.9	C	2.52	0.11	5.2 - 7.0	P	6.12	0.29	1.8 - 2.6	C	2.17	0.09	27
Beckman UV/unc & Beckman Unicel DXC series	3	2.4 - 3.3	P	2.88	0.17	3.0 - 4.1	P	3.58	0.29	2.1 - 2.9	C	2.52	0.16	5.3 - 7.1	P	6.19	0.31	1.8 - 2.6	C	2.18	0.11	15
J&J Vitros visible & J&J Vitros not DT or ECI	4	2.5 - 3.4	P	2.97	0.11	3.0 - 4.1	P	3.59	0.13	2.3 - 3.1	C	2.66	0.12	4.7 - 6.4	P	5.53	0.15	2.0 - 2.8	C	2.36	0.12	47
J&J Vitros visible & J&J Vitros 5,1 FS	5	2.5 - 3.4	P	2.95	0.12	3.0 - 4.1	P	3.59	0.10	2.2 - 3.0	C	2.64	0.11	4.6 - 6.2	P	5.39	0.14	1.9 - 2.7	C	2.33	0.10	16
Siemens Dimension UV/bic/SB & Siemens Dimension Rxl	6	2.4 - 3.2	P	2.80	0.07	2.9 - 4.0	P	3.46	0.08	2.0 - 2.9	C	2.45	0.06	5.0 - 6.7	P	5.83	0.07	1.7 - 2.5	C	2.10	0.06	16
Siemens Dimension UV/bic/SB & Siemens Dimension Xpand	7	2.4 - 3.2	P	2.82	0.07	3.0 - 4.0	P	3.48	0.08	2.0 - 2.9	C	2.45	0.07	5.0 - 6.7	P	5.84	0.11	1.7 - 2.5	C	2.12	0.07	50
Siemens Dimension UV/bic/SB & Siemens Dimension EXL	8	2.4 - 3.2	P	2.82	0.07	3.0 - 4.0	P	3.47	0.10	2.1 - 2.9	C	2.48	0.08	5.0 - 6.7	P	5.84	0.08	1.7 - 2.5	C	2.12	0.07	21

Initial Grouping by Reagent

Abbott Aeroset/Architect	9	2.4 - 3.3	P	2.84	0.07	3.0 - 4.0	P	3.48	0.08	2.1 - 2.9	C	2.46	0.07	5.0 - 6.8	P	5.91	0.09	1.7 - 2.5	C	2.14	0.07	21
Beckman Synchron PHS	10	2.4 - 3.3	P	2.86	0.12	3.0 - 4.1	P	3.57	0.13	2.1 - 2.9	C	2.52	0.11	5.2 - 7.0	P	6.13	0.28	1.8 - 2.6	C	2.17	0.08	30
Beckman UV/rate	11	2.5 - 3.4	P	2.97	0.30	3.2 - 4.3	P	3.78	0.29	2.2 - 3.0	C	2.65	0.25	5.4 - 7.3	P	6.34	0.45	1.8 - 2.6	C	2.24	0.16	11
Beckman UV/unc	12	2.4 - 3.3	P	2.87	0.20	3.0 - 4.1	P	3.55	0.27	2.1 - 2.9	C	2.54	0.20	5.2 - 7.0	P	6.06	0.36	1.8 - 2.6	C	2.19	0.14	32
Carolina	13	2.6 - 3.6	P	3.12	0.16	3.2 - 4.3	P	3.77	0.18	2.3 - 3.1	P	2.73	0.12	5.0 - 6.8	P	5.94	0.22	2.0 - 2.8	C	2.36	0.15	17
DCL/Genzyme UV/unc	14	2.4 - 3.2	P	2.81	0.12	2.9 - 4.0	P	3.44	0.13	2.0 - 2.9	C	2.45	0.14	5.1 - 6.9	P	5.98	0.19	1.6 - 2.5	C	2.05	0.14	13
J&J Vitros visible	15	2.5 - 3.4	P	2.96	0.12	3.0 - 4.1	P	3.58	0.13	2.3 - 3.1	C	2.65	0.12	4.7 - 6.3	P	5.49	0.17	1.9 - 2.7	C	2.35	0.12	73
BeckmanOlym UV/bic/no SB	16	2.3 - 3.1	P	2.70	0.11	2.8 - 3.8	P	3.33	0.12	2.0 - 2.8	C	2.40	0.12	4.9 - 6.6	P	5.72	0.17	1.7 - 2.5	C	2.10	0.11	44
Pointe Sci UV/unc	17	2.6 - 3.6	P	3.10	0.23	3.3 - 4.5	P	3.90	0.32	2.4 - 3.2	P	2.77	0.20	5.6 - 7.5	P	6.55	0.59	2.0 - 2.8	C	2.38	0.19	11
Roche Cobas Integra UV/rate	18	2.4 - 3.3	P	2.83	0.10	3.0 - 4.0	P	3.52	0.11	2.1 - 2.9	C	2.50	0.11	5.0 - 6.8	P	5.94	0.16	1.7 - 2.5	C	2.14	0.08	23
Roche/Hitachi UV/bic/SB	19	2.4 - 3.3	P	2.83	0.05	3.0 - 4.1	P	3.53	0.13	2.1 - 2.9	C	2.51	0.09	5.1 - 6.9	P	5.96	0.15	1.8 - 2.6	C	2.17	0.08	10
Siemens Dimension UV/bic/SB	20	2.4 - 3.2	P	2.82	0.08	3.0 - 4.0	P	3.48	0.09	2.1 - 2.9	C	2.47	0.07	5.0 - 6.7	P	5.85	0.11	1.7 - 2.5	C	2.12	0.08	139
Siemens UV/unc	21	2.5 - 3.3	P	2.89	0.10	3.1 - 4.2	P	3.63	0.13	2.1 - 2.9	C	2.52	0.09	5.0 - 6.8	P	5.89	0.14	1.7 - 2.6	C	2.15	0.08	10

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Initial Grouping by Sensitivity or Principle																						
UV-bichromatic-no sam blks	22	2.3 - 3.1	P	2.72	0.24	2.9 - 3.9	P	3.36	0.24	2.0 - 2.8	C	2.42	0.18	5.0 - 6.7	P	5.82	0.26	1.7 - 2.5	C	2.09	0.18	62
UV-bichromatic-sam blanked	23	2.4 - 3.3	P	2.85	0.12	3.0 - 4.0	P	3.51	0.13	2.1 - 2.9	C	2.49	0.11	5.0 - 6.7	P	5.87	0.14	1.7 - 2.5	C	2.15	0.11	199
UV-just sample blanked	24	2.4 - 3.3	P	2.86	0.12	3.0 - 4.1	P	3.58	0.13	2.1 - 2.9	C	2.53	0.11	5.2 - 7.0	P	6.07	0.27	1.8 - 2.6	C	2.17	0.09	44
UV-rate	25	2.5 - 3.3	P	2.91	0.20	3.1 - 4.2	P	3.65	0.23	2.2 - 3.0	C	2.58	0.18	5.2 - 7.0	P	6.06	0.32	1.8 - 2.6	C	2.22	0.16	42
UV-uncorrected	26	2.5 - 3.4	P	2.92	0.22	3.1 - 4.2	P	3.64	0.31	2.2 - 3.0	C	2.58	0.23	5.2 - 7.0	P	6.07	0.42	1.8 - 2.6	C	2.22	0.21	84
Visible	27	2.5 - 3.4	P	2.93	0.16	3.0 - 4.1	P	3.55	0.16	2.2 - 3.0	C	2.63	0.15	4.7 - 6.3	P	5.51	0.20	1.9 - 2.7	C	2.32	0.16	81
Total Population																						
Whole Population	28	2.4 - 3.3	P	2.85	0.19	3.0 - 4.0	P	3.52	0.23	2.1 - 2.9	C	2.52	0.17	5.0 - 6.7	P	5.85	0.33	1.8 - 2.6	C	2.17	0.16	546
Potassium																						
Initial Grouping by Reagent and Instrument																						
Abbott ICT & Abbott Architect c, ci, i	1	3.1 - 4.1	C	3.59	0.05	4.4 - 5.4	C	4.93	0.06	2.4 - 3.4	C	2.94	0.05	6.2 - 7.2	C	6.66	0.07	1.8 - 2.8	C	2.27	0.05	14
Alfa Wassermann und ISE & Alfa Wasser ACE/Centr/Alera	2	3.2 - 4.2	C	3.68	0.08	4.6 - 5.6	C	5.06	0.06	2.4 - 3.4	C	2.95	0.10	6.2 - 7.2	C	6.72	0.14	1.8 - 2.8	C	2.29	0.11	60
AVL und ISE & Roche/AVL 9100 series	3	3.1 - 4.1	C	3.60	0.00	4.6 - 5.6	C	5.07	0.05	2.4 - 3.4	C	2.87	0.12	6.1 - 7.1	C	6.63	0.12	1.7 - 2.7	C	2.19	0.10	10
Beckman dil ISE & Beckman Unicel DXC series	4	3.0 - 4.0	C	3.51	0.07	4.4 - 5.4	C	4.90	0.09	2.3 - 3.3	C	2.85	0.06	6.3 - 7.3	C	6.75	0.09	1.7 - 2.7	C	2.17	0.06	60
Clin Data ATAC 8000 dil ISE & Vital Diag CI Data ATAC8000	5	3.0 - 4.0	C	3.52	0.10	4.4 - 5.4	C	4.93	0.18	2.4 - 3.4	C	2.85	0.10	6.3 - 7.3	C	6.77	0.18	1.7 - 2.7	C	2.21	0.10	15
Clinical Data Envoy ISE & Vital Diagnostics Envoy	6	2.9 - 3.9	C	3.38	0.08	4.2 - 5.2	C	4.69	0.12	2.3 - 3.3	C	2.77	0.05	6.0 - 7.0	C	6.52	0.07	1.6 - 2.6	C	2.12	0.06	13
Horiba ABX ISE & Horiba ABX Pentra 400	7	3.0 - 4.0	C	3.52	0.06	4.3 - 5.3	C	4.78	0.08	2.4 - 3.4	C	2.91	0.05	5.6 - 6.6	C	6.09	0.10	1.8 - 2.8	C	2.32	0.05	12
J&J Vitros und ISE & J&J Vitros not DT or ECi	8	3.2 - 4.2	C	3.68	0.06	4.6 - 5.6	C	5.08	0.08	2.5 - 3.5	C	3.01	0.05	6.1 - 7.1	C	6.61	0.09	1.8 - 2.8	C	2.32	0.05	70
J&J Vitros und ISE & J&J Vitros 5,1 FS	9	3.2 - 4.2	C	3.68	0.06	4.6 - 5.6	C	5.09	0.05	2.5 - 3.5	C	2.99	0.04	6.1 - 7.1	C	6.59	0.10	1.8 - 2.8	C	2.30	0.00	17
Medica EasyLyte und ISE & Medica EasyLyte series	10	3.0 - 4.0	C	3.48	0.05	4.4 - 5.4	C	4.87	0.07	2.3 - 3.3	C	2.84	0.09	6.0 - 7.0	C	6.49	0.09	1.7 - 2.7	C	2.18	0.08	20
Siemens QuickLYTE IMT & Siemens Dimension Rxl	11	3.0 - 4.0	C	3.50	0.06	4.3 - 5.3	C	4.79	0.06	2.3 - 3.3	C	2.82	0.06	6.1 - 7.1	C	6.65	0.09	1.7 - 2.7	C	2.18	0.04	20
Siemens QuickLYTE IMT & Siemens Dimension Xpand	12	3.0 - 4.0	C	3.50	0.04	4.3 - 5.3	C	4.83	0.06	2.3 - 3.3	C	2.83	0.05	6.3 - 7.3	C	6.79	0.07	1.7 - 2.7	C	2.17	0.05	83
Siemens QuickLYTE IMT & Siemens Dimension EXL	13	3.0 - 4.0	C	3.51	0.03	4.3 - 5.3	C	4.83	0.05	2.3 - 3.3	C	2.83	0.05	6.3 - 7.3	C	6.77	0.06	1.7 - 2.7	C	2.17	0.06	23
Initial Grouping by Reagent																						
Abbott ICT	14	3.1 - 4.1	C	3.59	0.06	4.4 - 5.4	C	4.93	0.06	2.4 - 3.4	C	2.95	0.05	6.2 - 7.2	C	6.67	0.07	1.8 - 2.8	C	2.27	0.05	15
Alfa Wassermann und ISE	15	3.2 - 4.2	C	3.68	0.08	4.6 - 5.6	C	5.06	0.06	2.4 - 3.4	C	2.95	0.10	6.2 - 7.2	C	6.71	0.14	1.8 - 2.8	C	2.29	0.11	61
AVL und ISE	16	-				4.6 - 5.6	C	5.07	0.05	2.4 - 3.4	C	2.87	0.12	6.1 - 7.1	C	6.63	0.12	1.7 - 2.7	C	2.19	0.10	10
Beckman dil ISE	17	3.0 - 4.0	C	3.51	0.07	4.4 - 5.4	C	4.90	0.09	2.3 - 3.3	C	2.85	0.07	6.2 - 7.2	C	6.74	0.09	1.7 - 2.7	C	2.17	0.07	96
Carolina dil ISE	18	3.1 - 4.1	C	3.56	0.12	4.4 - 5.4	C	4.89	0.15	2.4 - 3.4	C	2.87	0.11	6.2 - 7.2	C	6.71	0.17	1.7 - 2.7	C	2.22	0.17	30

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	
Clin Data ATAC 8000 dil ISE	19	3.0 - 4.0	C 3.52	0.10	4.4 - 5.4	C 4.93	0.18	2.4 - 3.4	C 2.85	0.10	6.3 - 7.3	C 6.77	0.18	1.7 - 2.7	C 2.21	0.10	15			
Clinical Data Envoy ISE	20	2.9 - 3.9	C 3.38	0.08	4.2 - 5.2	C 4.69	0.12	2.3 - 3.3	C 2.77	0.05	6.0 - 7.0	C 6.52	0.07	1.6 - 2.6	C 2.12	0.06	13			
Horiba ABX ISE	21	3.0 - 4.0	C 3.52	0.06	4.3 - 5.3	C 4.78	0.08	2.4 - 3.4	C 2.91	0.05	5.6 - 6.6	C 6.09	0.10	1.8 - 2.8	C 2.32	0.05	12			
J&J Vitros und ISE	22	3.2 - 4.2	C 3.67	0.06	4.6 - 5.6	C 5.06	0.08	2.5 - 3.5	C 2.99	0.07	6.1 - 7.1	C 6.61	0.09	1.8 - 2.8	C 2.32	0.05	104			
Medica EasyLyte und ISE	23	3.0 - 4.0	C 3.51	0.11	4.4 - 5.4	C 4.88	0.12	2.4 - 3.4	C 2.87	0.11	6.0 - 7.0	C 6.47	0.17	1.7 - 2.7	C 2.23	0.13	26			
Beckman Olympus dil ISE	24	3.1 - 4.1	C 3.55	0.06	4.3 - 5.3	C 4.84	0.07	2.4 - 3.4	C 2.94	0.06	6.2 - 7.2	C 6.65	0.11	1.8 - 2.8	C 2.31	0.07	68			
Roche Cobas Integra dil ISE	25	3.0 - 4.0	C 3.52	0.06	4.3 - 5.3	C 4.84	0.06	2.4 - 3.4	C 2.86	0.07	6.2 - 7.2	C 6.70	0.06	1.7 - 2.7	C 2.20	0.06	33			
Roche Cobas und ISE	26	3.1 - 4.1	C 3.59	0.11	4.4 - 5.4	C 4.95	0.13	2.4 - 3.4	C 2.93	0.10	6.1 - 7.1	C 6.63	0.12	1.8 - 2.8	C 2.26	0.09	23			
Roche/Hitachi dil ISE	27	3.0 - 4.0	C 3.53	0.12	4.4 - 5.4	C 4.88	0.12	2.3 - 3.3	C 2.84	0.12	6.2 - 7.2	C 6.71	0.18	1.7 - 2.7	C 2.21	0.14	18			
Siemens dil ISE	28	3.1 - 4.1	C 3.59	0.07	4.4 - 5.4	C 4.94	0.09	2.5 - 3.5	C 2.96	0.14	6.3 - 7.3	C 6.76	0.09	1.8 - 2.8	C 2.26	0.06	15			
Siemens QuickLYTE IMT	29	3.0 - 4.0	C 3.51	0.05	4.3 - 5.3	C 4.83	0.06	2.3 - 3.3	C 2.84	0.05	6.3 - 7.3	C 6.76	0.10	1.7 - 2.7	C 2.18	0.05	190			
Initial Grouping by Sensitivity or Principle																				
Colorimetric/turbidimetric	30	3.2 - 4.2	C 3.74	0.23	4.6 - 5.6	C 5.08	0.26	2.5 - 3.5	C 2.97	0.18	6.2 - 7.2	C 6.72	0.27	1.7 - 2.7	C 2.23	0.17	10			
Diluted ISE results	31	3.0 - 4.0	C 3.53	0.09	4.4 - 5.4	C 4.88	0.11	2.4 - 3.4	C 2.88	0.10	6.2 - 7.2	C 6.69	0.13	1.7 - 2.7	C 2.23	0.11	327			
Undiluted ISE results	32	3.1 - 4.1	C 3.59	0.12	4.4 - 5.4	C 4.93	0.15	2.4 - 3.4	C 2.91	0.12	6.2 - 7.2	C 6.66	0.19	1.7 - 2.7	C 2.24	0.11	446			
Total Population																				
Whole Population	33	3.1 - 4.1	C 3.57	0.11	4.4 - 5.4	C 4.91	0.15	2.4 - 3.4	C 2.90	0.11	6.2 - 7.2	C 6.67	0.19	1.7 - 2.7	C 2.24	0.11	810			

Sodium

Initial Grouping by Reagent and Instrument

Abbott ICT & Abbott Architect c, ci, i	1	134.0 - 142.0	C 137.6	1.7	153.0 - 161.0	C 156.7	1.4	124.0 - 132.0	C 127.8	1.5	133.0 - 141.0	C 136.9	1.4	114.0 - 122.0	C 118.0	1.3	14
Alfa Wassermann und ISE & Alfa Wasser ACE/Centr/Alera	2	137.0 - 145.0	C 141.0	1.8	159.0 - 167.0	C 162.7	1.9	125.0 - 133.0	C 129.4	1.4	130.0 - 138.0	C 134.3	1.1	114.0 - 122.0	C 118.3	1.7	60
AVL und ISE & Roche/AVL 9100 series	3	135.0 - 143.0	C 138.7	0.9	158.0 - 166.0	C 162.3	1.5	124.0 - 132.0	C 128.0	1.4	129.0 - 137.0	C 133.2	0.8	113.0 - 121.0	C 117.2	1.8	10
Beckman dil ISE & Beckman Unicel DXC series	4	133.0 - 141.0	C 136.9	1.6	152.0 - 160.0	C 155.6	2.0	125.0 - 133.0	C 128.7	1.8	135.0 - 143.0	C 139.1	1.7	116.0 - 124.0	C 119.7	1.3	60
Clin Data ATAC 8000 dil ISE & Vital Diag CI Data ATAC8000	5	134.0 - 142.0	C 138.1	2.5	153.0 - 161.0	C 156.8	2.7	125.0 - 133.0	C 129.3	3.1	135.0 - 143.0	C 139.4	2.9	115.0 - 123.0	C 118.9	4.0	14
Clinical Data Envoy ISE & Vital Diagnostics Envoy	6	132.0 - 140.0	C 135.8	2.3	151.0 - 159.0	C 155.4	2.6	123.0 - 131.0	C 127.2	1.7	134.0 - 142.0	C 138.4	2.0	114.0 - 122.0	C 118.1	1.4	13
Horiba ABX ISE & Horiba ABX Pentra 400	7	134.0 - 142.0	C 137.9	0.9	154.0 - 162.0	C 157.8	1.0	125.0 - 133.0	C 128.8	0.6	130.0 - 138.0	C 133.8	1.0	115.0 - 123.0	C 119.4	0.8	12
J&J Vitros und ISE & J&J Vitros not DT or ECi	8	137.0 - 145.0	C 140.9	1.8	159.0 - 167.0	C 162.5	2.2	127.0 - 135.0	C 131.4	1.9	134.0 - 142.0	C 137.9	1.9	118.0 - 126.0	C 121.7	2.0	69
J&J Vitros und ISE & J&J Vitros 5,1 FS	9	137.0 - 145.0	C 140.8	1.3	159.0 - 167.0	C 163.2	2.4	127.0 - 135.0	C 130.9	1.1	134.0 - 142.0	C 138.2	1.8	117.0 - 125.0	C 121.2	1.8	17
Medica EasyLyte und ISE & Medica EasyLyte series	10	136.0 - 144.0	C 139.9	1.9	156.0 - 164.0	C 160.3	2.4	126.0 - 134.0	C 130.3	1.9	132.0 - 140.0	C 136.4	1.6	117.0 - 125.0	C 120.9	1.8	20
Siemens QuickLYTE IMT & Siemens Dimension Rxl	11	132.0 - 140.0	C 135.6	1.5	149.0 - 157.0	C 152.5	1.6	123.0 - 131.0	C 126.7	1.4	133.0 - 141.0	C 136.6	1.5	114.0 - 122.0	C 118.0	1.3	21

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
Siemens QuickLYTE IMT & Siemens Dimension Xpand	12	133.0 - 141.0	C 137.4	1.3	151.0 - 159.0	C 154.7	1.6	125.0 - 133.0	C 128.6	1.2	135.0 - 143.0	C 138.7	1.3	116.0 - 124.0	C 119.9	1.1	83
Siemens QuickLYTE IMT & Siemens Dimension EXL	13	134.0 - 142.0	C 137.5	1.0	151.0 - 159.0	C 154.7	1.2	125.0 - 133.0	C 128.5	1.2	135.0 - 143.0	C 138.9	1.2	116.0 - 124.0	C 119.7	1.1	23
SDI Biomed & SDI CA-240, 480	14	137.0 - 145.0	C 140.6	2.2	156.0 - 164.0	C 160.3	2.9	127.0 - 135.0	C 131.0	2.1	132.0 - 140.0	C 136.1	2.2	118.0 - 126.0	C 121.9	2.2	15
Initial Grouping by Reagent																	
Abbott ICT	15	134.0 - 142.0	C 137.7	1.7	153.0 - 161.0	C 156.8	1.4	124.0 - 132.0	C 127.9	1.6	133.0 - 141.0	C 136.9	1.3	114.0 - 122.0	C 118.1	1.4	15
Alfa Wassermann und ISE	16	137.0 - 145.0	C 141.0	1.8	159.0 - 167.0	C 162.6	1.8	125.0 - 133.0	C 129.4	1.4	130.0 - 138.0	C 134.2	1.1	114.0 - 122.0	C 118.3	1.7	61
AVL und ISE	17	135.0 - 143.0	C 138.7	0.9	158.0 - 166.0	C 162.3	1.5	124.0 - 132.0	C 128.0	1.4	129.0 - 137.0	C 133.2	0.8	113.0 - 121.0	C 117.2	1.8	10
Beckman dil ISE	18	133.0 - 141.0	C 137.3	1.7	152.0 - 160.0	C 155.6	1.9	125.0 - 133.0	C 128.7	1.8	135.0 - 143.0	C 139.2	1.6	116.0 - 124.0	C 119.7	1.4	96
Carolina dil ISE	19	134.0 - 142.0	C 137.9	2.6	151.0 - 159.0	C 155.2	2.9	125.0 - 133.0	C 128.7	3.4	134.0 - 142.0	C 137.8	2.0	116.0 - 124.0	C 119.8	3.7	29
Clin Data ATAC 8000 dil ISE	20	134.0 - 142.0	C 138.1	2.5	153.0 - 161.0	C 156.8	2.7	125.0 - 133.0	C 129.3	3.1	135.0 - 143.0	C 139.4	2.9	115.0 - 123.0	C 118.9	4.0	14
Clinical Data Envoy ISE	21	132.0 - 140.0	C 135.8	2.3	151.0 - 159.0	C 155.4	2.6	123.0 - 131.0	C 127.2	1.7	134.0 - 142.0	C 138.4	2.0	114.0 - 122.0	C 118.1	1.4	13
Horiba ABX ISE	22	134.0 - 142.0	C 137.9	0.9	154.0 - 162.0	C 157.8	1.0	125.0 - 133.0	C 128.8	0.6	130.0 - 138.0	C 133.8	1.0	115.0 - 123.0	C 119.4	0.8	12
J&J Vitros und ISE	23	137.0 - 145.0	C 140.9	1.7	159.0 - 167.0	C 162.6	2.3	127.0 - 135.0	C 131.3	1.8	134.0 - 142.0	C 138.0	1.9	118.0 - 126.0	C 121.6	1.9	98
Medica EasyLyte und ISE	24	136.0 - 144.0	C 139.8	1.9	156.0 - 164.0	C 160.0	2.4	126.0 - 134.0	C 130.1	1.9	132.0 - 140.0	C 136.2	1.6	117.0 - 125.0	C 120.8	1.7	23
Beckman Olympus dil ISE	25	132.0 - 140.0	C 135.8	1.5	150.0 - 158.0	C 154.0	1.5	123.0 - 131.0	C 127.4	1.3	133.0 - 141.0	C 137.2	1.5	114.0 - 122.0	C 118.3	1.6	69
Roche Cobas Integra dil ISE	26	132.0 - 140.0	C 135.8	1.6	150.0 - 158.0	C 153.8	1.8	123.0 - 131.0	C 126.5	1.5	133.0 - 141.0	C 136.6	1.2	113.0 - 121.0	C 117.2	1.2	33
Roche Cobas und ISE	27	135.0 - 143.0	C 139.5	3.9	155.0 - 163.0	C 159.3	4.2	126.0 - 134.0	C 130.1	3.4	134.0 - 142.0	C 137.5	2.4	116.0 - 124.0	C 120.3	3.0	22
Roche/Hitachi dil ISE	28	133.0 - 141.0	C 137.2	1.8	152.0 - 160.0	C 156.5	2.4	124.0 - 132.0	C 127.9	2.6	134.0 - 142.0	C 137.8	2.2	114.0 - 122.0	C 118.4	2.0	18
Siemens dil ISE	29	134.0 - 142.0	C 138.3	1.1	153.0 - 161.0	C 156.8	1.4	125.0 - 133.0	C 129.0	1.4	135.0 - 143.0	C 138.5	1.3	116.0 - 124.0	C 119.5	1.1	15
Siemens QuickLYTE IMT	30	133.0 - 141.0	C 137.0	1.6	150.0 - 158.0	C 154.2	1.8	124.0 - 132.0	C 128.2	1.5	134.0 - 142.0	C 138.2	1.6	115.0 - 123.0	C 119.5	1.3	190
SDI Biomed	31	137.0 - 145.0	C 140.6	2.2	156.0 - 164.0	C 160.3	2.9	127.0 - 135.0	C 131.0	2.1	132.0 - 140.0	C 136.1	2.2	118.0 - 126.0	C 121.9	2.2	15
Initial Grouping by Sensitivity or Principle																	
Diluted ISE	32	133.0 - 141.0	C 137.0	2.1	151.0 - 159.0	C 155.4	2.4	124.0 - 132.0	C 128.1	2.2	134.0 - 142.0	C 138.0	2.0	115.0 - 123.0	C 118.9	2.2	325
Undiluted ISE	33	135.0 - 143.0	C 138.9	2.7	154.0 - 162.0	C 158.4	4.6	125.0 - 133.0	C 129.4	2.2	133.0 - 141.0	C 137.1	2.4	116.0 - 124.0	C 119.9	2.1	451

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Total Population																						
Whole Population	34	134.0 - 142.0	C	138.1	2.7	153.0 - 161.0	C	157.2	4.1	125.0 - 133.0	C	128.9	2.3	134.0 - 142.0	C	137.5	2.4	116.0 - 124.0	C	119.5	2.2	797
Protein, Total																						
Initial Grouping by Reagent and Instrument																						
All refractometers & All refractometers	1	8.4 - 10.2	P	9.30	0.12	10.1 - 12.4	P	11.25	0.13	7.5 - 9.2	P	8.34	0.14	4.0 - 4.9	P	4.47	0.11	6.6 - 8.1	P	7.35	0.11	304
Abbott bic/no SB & Abbott Architect c, ci, i	2	6.4 - 7.9	P	7.14	0.07	7.9 - 9.7	P	8.80	0.09	5.7 - 7.0	P	6.34	0.06	2.4 - 3.0	P	2.69	0.06	4.9 - 6.0	P	5.49	0.07	20
Alfa Wassermann bic/no SB & Alfa Wasser ACE/Centr/Alera	3	6.4 - 7.9	P	7.15	0.19	7.9 - 9.7	P	8.80	0.24	5.7 - 7.0	P	6.35	0.19	2.5 - 3.1	P	2.78	0.11	5.0 - 6.1	P	5.55	0.15	62
Beckman rate & Beckman Unicel DXC series	4	6.2 - 7.6	P	6.90	0.16	7.7 - 9.5	P	8.59	0.20	5.5 - 6.7	P	6.10	0.18	2.3 - 2.8	P	2.51	0.67	4.8 - 5.8	P	5.30	0.19	16
Beckman unc & Beckman Unicel DXC series	5	6.2 - 7.6	P	6.87	0.14	7.7 - 9.4	P	8.56	0.20	5.5 - 6.7	P	6.08	0.14	2.5 - 3.0	P	2.74	0.17	4.7 - 5.8	P	5.27	0.12	42
Clinical Dat ATAC bic/no SB & Vital Diag CI Data ATAC8000	6	6.4 - 7.9	P	7.15	0.42	8.1 - 9.9	P	9.03	0.28	5.8 - 7.1	P	6.45	0.26	2.5 - 3.1	P	2.82	0.13	5.1 - 6.2	P	5.62	0.19	13
Clinical Data Envoy & Vital Diagnostics Envoy	7	6.6 - 8.0	P	7.30	0.12	8.1 - 9.8	P	8.95	0.21	5.8 - 7.0	P	6.41	0.09	2.5 - 3.1	P	2.79	0.07	5.0 - 6.2	P	5.61	0.15	12
Horiba ABX & Horiba ABX Pentra 400	8	6.6 - 8.1	P	7.38	0.12	8.1 - 9.9	P	9.04	0.17	5.9 - 7.2	P	6.55	0.14	2.6 - 3.2	P	2.86	0.08	5.2 - 6.3	P	5.73	0.12	12
J&J Vitros unc & J&J Vitros not DT or ECi	9	6.1 - 7.4	P	6.76	0.16	7.2 - 8.9	P	8.05	0.25	5.5 - 6.7	P	6.09	0.18	2.5 - 3.1	P	2.83	0.10	4.8 - 5.9	P	5.36	0.14	68
J&J Vitros unc & J&J Vitros 5,1 FS	10	6.0 - 7.3	P	6.68	0.20	7.0 - 8.6	P	7.81	0.24	5.4 - 6.6	P	5.99	0.20	2.5 - 3.1	P	2.79	0.10	4.8 - 5.9	P	5.32	0.18	17
SDI Biomed & SDI CA-240, 480	11	6.8 - 8.4	P	7.59	0.14	8.3 - 10.1	P	9.22	0.18	6.1 - 7.5	P	6.79	0.15	2.8 - 3.5	P	3.14	0.12	5.3 - 6.5	P	5.94	0.15	16
Siemens biuret based & Siemens Dimension Xpand	12	6.7 - 8.2	P	7.47	0.15	8.3 - 10.1	P	9.18	0.21	6.0 - 7.3	P	6.62	0.13	2.5 - 3.0	P	2.76	0.09	5.2 - 6.3	P	5.75	0.12	20
Siemens Dimension bic/SB & Siemens Dimension Rxl	13	6.7 - 8.2	P	7.45	0.11	8.3 - 10.1	P	9.20	0.13	5.9 - 7.3	P	6.60	0.09	2.5 - 3.0	P	2.76	0.10	5.1 - 6.3	P	5.71	0.13	16
Siemens Dimension bic/SB & Siemens Dimension Xpand	14	6.7 - 8.2	P	7.45	0.15	8.3 - 10.1	P	9.18	0.20	5.9 - 7.2	P	6.58	0.13	2.5 - 3.0	P	2.74	0.07	5.1 - 6.3	P	5.72	0.14	62
Siemens Dimension bic/SB & Siemens Dimension EXL	15	6.7 - 8.2	P	7.44	0.16	8.3 - 10.1	P	9.22	0.26	5.9 - 7.2	P	6.57	0.11	2.5 - 3.0	P	2.74	0.06	5.1 - 6.3	P	5.72	0.12	20
Initial Grouping by Reagent																						
All refractometers	16	8.4 - 10.2	P	9.30	0.12	10.1 - 12.4	P	11.25	0.13	7.5 - 9.2	P	8.34	0.14	4.0 - 4.9	P	4.48	0.11	6.6 - 8.1	P	7.35	0.11	307
Abbott bic/no SB	17	6.4 - 7.9	P	7.16	0.09	7.9 - 9.7	P	8.81	0.11	5.7 - 7.0	P	6.34	0.06	2.4 - 3.0	P	2.70	0.06	5.0 - 6.1	P	5.50	0.08	22
Alfa Wassermann bic/no SB	18	6.4 - 7.9	P	7.15	0.19	7.9 - 9.7	P	8.80	0.24	5.7 - 7.0	P	6.35	0.19	2.5 - 3.1	P	2.78	0.11	5.0 - 6.1	P	5.55	0.15	62
Beckman rate	19	6.3 - 7.6	P	6.95	0.17	7.8 - 9.5	P	8.64	0.22	5.5 - 6.8	P	6.14	0.20	2.3 - 2.8	P	2.59	0.55	4.8 - 5.8	P	5.32	0.21	23
Beckman unc	20	6.2 - 7.6	P	6.92	0.17	7.8 - 9.5	P	8.62	0.23	5.5 - 6.7	P	6.11	0.16	2.4 - 3.0	P	2.72	0.16	4.8 - 5.8	P	5.28	0.14	64
Carolina rate	21	6.3 - 7.7	P	7.01	0.39	7.8 - 9.5	P	8.66	0.45	5.6 - 6.9	P	6.23	0.40	2.4 - 3.0	P	2.69	0.24	4.9 - 5.9	P	5.40	0.38	28
Clinical Dat ATAC bic/no SB	22	6.4 - 7.9	P	7.15	0.42	8.1 - 9.9	P	9.03	0.28	5.8 - 7.1	P	6.45	0.26	2.5 - 3.1	P	2.82	0.13	5.1 - 6.2	P	5.62	0.19	13
Clinical Data Envoy	23	6.6 - 8.0	P	7.30	0.12	8.1 - 9.8	P	8.95	0.21	5.8 - 7.0	P	6.41	0.09	2.5 - 3.1	P	2.79	0.07	5.0 - 6.2	P	5.61	0.15	12

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	
DCL/Genzyme unc	24	6.5 - 7.9	P 7.20	0.22	7.9 - 9.7	P 8.78	0.26		5.7 - 7.0	P 6.37	0.18		2.6 - 3.1	P 2.85	0.13		5.0 - 6.1	P 5.51	0.18	22
Horiba ABX	25	6.6 - 8.1	P 7.38	0.12	8.1 - 9.9	P 9.04	0.17		5.9 - 7.2	P 6.55	0.14		2.6 - 3.2	P 2.86	0.08		5.2 - 6.3	P 5.73	0.12	12
J&J Vitros unc	26	6.1 - 7.4	P 6.74	0.17	7.2 - 8.8	P 8.01	0.25		5.5 - 6.7	P 6.06	0.18		2.5 - 3.1	P 2.82	0.10		4.8 - 5.9	P 5.35	0.14	95
Beckman Olympus bic/no SB	27	6.4 - 7.8	P 7.06	0.23	7.8 - 9.5	P 8.65	0.27		5.6 - 6.9	P 6.23	0.20		2.4 - 3.0	P 2.68	0.16		4.9 - 6.0	P 5.43	0.19	59
Pointe Sci unc	28	6.5 - 7.9	P 7.19	0.26	7.9 - 9.7	P 8.83	0.37		5.8 - 7.0	P 6.40	0.21		2.5 - 3.1	P 2.78	0.08		5.0 - 6.1	P 5.54	0.25	18
Roche Cobas SB	29	6.4 - 7.8	P 7.12	0.22	7.8 - 9.6	P 8.71	0.26		5.7 - 7.0	P 6.35	0.20		2.4 - 3.0	P 2.70	0.11		5.0 - 6.1	P 5.55	0.14	46
Roche/Hitachi bic/SB	30	6.5 - 7.9	P 7.18	0.16	7.8 - 9.6	P 8.72	0.22		5.7 - 7.0	P 6.38	0.08		2.4 - 3.0	P 2.69	0.06		5.0 - 6.1	P 5.54	0.07	10
SDI Biomed	31	6.8 - 8.4	P 7.59	0.14	8.3 - 10.1	P 9.22	0.18		6.1 - 7.5	P 6.79	0.15		2.8 - 3.5	P 3.14	0.12		5.3 - 6.5	P 5.94	0.15	16
Siemens biuret based	32	6.7 - 8.1	P 7.40	0.17	8.2 - 10.0	P 9.08	0.24		5.9 - 7.2	P 6.57	0.17		2.5 - 3.1	P 2.78	0.09		5.1 - 6.2	P 5.68	0.15	42
Siemens Dimension bic/SB	33	6.7 - 8.2	P 7.44	0.16	8.3 - 10.1	P 9.18	0.20		5.9 - 7.2	P 6.58	0.13		2.5 - 3.0	P 2.74	0.08		5.1 - 6.3	P 5.72	0.13	165
Initial Grouping by Sensitivity or Principle																				
All refractometer users	34	8.4 - 10.2	P 9.30	0.12	10.1 - 12.4	P 11.25	0.13		7.5 - 9.2	P 8.34	0.14		4.0 - 4.9	P 4.48	0.11		6.6 - 8.1	P 7.35	0.11	307
Bichromatic-no sam blanks	35	6.5 - 7.9	P 7.20	0.23	8.0 - 9.7	P 8.85	0.28		5.7 - 7.0	P 6.38	0.21		2.5 - 3.0	P 2.76	0.13		5.0 - 6.1	P 5.56	0.18	241
Bichromatic-sample blanked	36	6.7 - 8.2	P 7.43	0.17	8.2 - 10.1	P 9.16	0.23		5.9 - 7.2	P 6.56	0.14		2.5 - 3.0	P 2.74	0.08		5.1 - 6.3	P 5.71	0.14	176
Just sample blanked	37	6.4 - 7.8	P 7.13	0.22	7.8 - 9.6	P 8.71	0.26		5.7 - 7.0	P 6.35	0.20		2.4 - 3.0	P 2.70	0.12		5.0 - 6.1	P 5.55	0.14	47
Rate	38	6.3 - 7.7	P 6.99	0.31	7.8 - 9.5	P 8.65	0.37		5.6 - 6.8	P 6.19	0.33		2.4 - 2.9	P 2.64	0.40		4.8 - 5.9	P 5.36	0.32	51
Uncorrected	39	6.3 - 7.7	P 6.98	0.33	7.6 - 9.3	P 8.47	0.49		5.6 - 6.8	P 6.22	0.29		2.5 - 3.1	P 2.82	0.16		4.9 - 6.0	P 5.43	0.25	236
Total Population																				
Whole Population	40	7.0 - 8.6	P 7.78	1.01	8.5 - 10.4	P 9.49	1.18		6.2 - 7.6	P 6.93	0.93		2.5 - 3.1	P 2.82	0.32		5.5 - 6.7	P 6.06	0.84	1067

Triglycerides

Initial Grouping by Reagent and Instrument																				
Abbott gly-unc/GPO & Abbott Architect c, ci, i	1	121.0 - 202.0	P 161.6	2.7	144.0 - 239.0	P 191.6	3.1		110.0 - 183.0	P 146.1	2.5		70.0 - 117.0	P 93.8	2.8		97.0 - 162.0	P 129.6	2.6	21
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	122.0 - 203.0	P 162.4	5.5	143.0 - 238.0	P 190.0	6.3		111.0 - 185.0	P 148.4	5.0		68.0 - 113.0	P 90.1	3.2		100.0 - 166.0	P 132.8	4.4	57
Beckman GPO glycerol-unc & Beckman Unicel DXC series	3	123.0 - 205.0	P 164.3	5.7	150.0 - 250.0	P 199.9	7.0		110.0 - 184.0	P 147.2	4.8		66.0 - 110.0	P 87.9	3.4		96.0 - 160.0	P 128.2	4.3	48
Clinical Data ATAC & Vital Diag Cl Data ATAC8000	4	127.0 - 211.0	P 169.0	4.2	149.0 - 248.0	P 198.6	10.2		113.0 - 188.0	P 150.2	7.2		79.0 - 132.0	P 105.6	5.0		99.0 - 165.0	P 132.2	8.3	12
Clinical Data Envoy & Vital Diagnostics Envoy	5	124.0 - 206.0	P 164.7	4.9	152.0 - 252.0	P 202.0	5.6		112.0 - 186.0	P 148.8	4.2		78.0 - 129.0	P 103.6	5.6		98.0 - 163.0	P 130.1	4.1	12
Horiba ABX & Horiba ABX Pentra 400	6	122.0 - 204.0	P 163.3	6.9	148.0 - 248.0	P 198.0	5.1		111.0 - 186.0	P 148.4	5.6		69.0 - 115.0	P 92.0	2.4		98.0 - 163.0	P 130.6	4.8	10
J&J Vitros & J&J Vitros not DT or ECi	7	139.0 - 232.0	P 185.3	5.7	173.0 - 288.0	P 230.3	7.2		123.0 - 205.0	P 164.4	5.7		77.0 - 128.0	P 102.2	3.7		107.0 - 178.0	P 142.6	5.0	59
J&J Vitros & J&J Vitros 5,1 FS	8	134.0 - 223.0	P 178.7	4.4	167.0 - 278.0	P 222.6	5.3		117.0 - 196.0	P 156.4	2.4		73.0 - 121.0	P 97.0	2.7		102.0 - 170.0	P 136.0	3.4	17
Pointe Sci gly-unc/GPO & Pointe Sci 180/Sterl 2000	9	111.0 - 184.0	P 147.6	5.4	131.0 - 219.0	P 175.1	7.2		99.0 - 166.0	P 132.4	7.4		45.0 - 75.0	P 60.1	5.9		89.0 - 148.0	P 118.2	5.3	18
SDI Biomed & SDI CA-240, 480	10	130.0 - 217.0	P 173.4	5.9	154.0 - 257.0	P 205.9	6.7		122.0 - 203.0	P 162.2	9.7		57.0 - 95.0	P 76.2	3.3		106.0 - 176.0	P 140.9	4.4	13

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Siemens Express	33	204.0	P	163.4	3.8	249.0	P	199.3	4.1	182.0	P	145.6	3.3	71.0 - 118.0	P	94.6	2.7	96.0 - 159.0	P	127.3	3.2	115
Sterling gly-unc/vis/GPO	34	124.0 - 206.0	P	164.8	8.0	145.0 - 241.0	P	192.7	12.2	110.0 - 184.0	P	147.3	7.7	59.0 - 98.0	P	78.2	6.1	98.0 - 164.0	P	131.2	5.4	26
Initial Grouping by Sensitivity or Principle																						
Gly-cor/visible/GPO-based	35	123.0 - 206.0	P	164.4	6.2	149.0 - 249.0	P	199.2	7.3	111.0 - 186.0	P	148.4	5.1	68.0 - 113.0	P	90.2	3.6	97.0 - 162.0	P	129.6	4.6	19
Gly-unc/visible/GPO-based	36	124.0 - 207.0	P	165.4	12.5	150.0 - 250.0	P	199.8	16.2	111.0 - 185.0	P	148.2	10.6	68.0 - 113.0	P	90.2	12.0	97.0 - 162.0	P	130.0	8.6	563
Gly-unc/visible/INT-based	37	121.0 - 202.0	P	161.5	6.6	143.0 - 238.0	P	190.2	7.4	111.0 - 185.0	P	148.0	5.4	66.0 - 110.0	P	88.3	6.1	99.0 - 166.0	P	132.5	4.6	68
Gly-unc/340nm/GDH-based	38	123.0 - 204.0	P	163.4	3.8	149.0 - 249.0	P	199.3	4.1	109.0 - 182.0	P	145.6	3.3	71.0 - 118.0	P	94.6	2.7	96.0 - 159.0	P	127.3	3.2	115
Total Population																						
Whole Population	39	124.0 - 206.0	P	164.7	10.5	149.0 - 249.0	P	198.8	14.4	111.0 - 185.0	P	147.8	9.3	68.0 - 114.0	P	91.0	9.0	97.0 - 162.0	P	129.8	7.8	790

Urea Nitrogen (BUN)

Initial Grouping by Reagent and Instrument																						
Abbott GLDH-rate & Abbott Architect c, ci, i	1	30.0 - 35.0	P	32.5	0.7	19.0 - 23.0	C	20.6	0.5	35.0 - 42.0	P	38.2	0.8	9.0 - 13.0	C	11.4	0.5	40.0 - 48.0	P	44.1	0.9	19
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	29.0 - 35.0	P	32.1	1.5	18.0 - 22.0	C	19.8	1.0	35.0 - 42.0	P	38.3	1.8	9.0 - 13.0	C	11.4	0.7	41.0 - 49.0	P	45.0	1.7	69
Beckman GLDH-rate & Beckman Unicel DXC series	3	30.0 - 36.0	P	32.8	0.9	19.0 - 23.0	C	20.7	0.6	35.0 - 42.0	P	38.8	1.1	10.0 - 14.0	C	11.7	0.4	41.0 - 49.0	P	45.0	1.3	50
Clinical Dat ATAC GLDH-rate & Vital Diag CI Data ATAC8000	4	30.0 - 36.0	P	33.0	0.8	18.0 - 22.0	C	20.4	0.9	36.0 - 43.0	P	39.8	1.3	10.0 - 14.0	C	12.0	0.6	42.0 - 50.0	P	45.9	1.8	14
Clinical Data Envoy & Vital Diagnostics Envoy	5	30.0 - 36.0	P	33.2	1.5	19.0 - 23.0	C	21.2	1.1	36.0 - 43.0	P	39.1	1.4	10.0 - 14.0	C	12.4	0.5	41.0 - 49.0	P	45.2	1.4	12
Horiba ABX & Horiba ABX Pentra 400	6	30.0 - 36.0	P	33.4	1.1	18.0 - 22.0	C	20.5	0.5	36.0 - 43.0	P	39.5	1.1	10.0 - 14.0	C	12.0	0.7	41.0 - 50.0	P	45.4	1.6	12
J&J Vitros & J&J Vitros not DT or ECI	7	25.0 - 30.0	P	27.4	0.7	16.0 - 20.0	C	17.8	0.7	29.0 - 35.0	P	32.2	0.8	8.0 - 12.0	C	9.9	0.4	34.0 - 40.0	P	37.1	0.8	70
J&J Vitros & J&J Vitros 5,1 FS	8	25.0 - 29.0	P	27.0	0.7	16.0 - 20.0	C	17.6	0.5	29.0 - 34.0	P	31.6	0.7	8.0 - 12.0	C	9.7	0.5	33.0 - 40.0	P	36.5	0.6	17
SDI Biomed & SDI CA-240, 480	9	32.0 - 38.0	P	34.6	2.4	20.0 - 24.0	C	21.6	1.5	37.0 - 44.0	P	40.2	2.4	10.0 - 14.0	C	11.9	1.2	42.0 - 50.0	P	46.3	3.6	16
Siemens GLDH-rate & Siemens Dimension Rxl	10	30.0 - 35.0	P	32.4	0.9	18.0 - 22.0	C	20.0	0.9	35.0 - 42.0	P	38.6	1.1	9.0 - 13.0	C	11.2	0.7	41.0 - 49.0	P	45.0	1.1	20
Siemens GLDH-rate & Siemens Dimension Xpand	11	30.0 - 35.0	P	32.5	1.0	18.0 - 22.0	C	20.0	0.9	35.0 - 42.0	P	38.5	1.2	9.0 - 13.0	C	11.1	0.7	41.0 - 49.0	P	44.9	1.3	75
Siemens GLDH-rate & Siemens Dimension EXL	12	30.0 - 36.0	P	32.6	1.3	18.0 - 22.0	C	20.0	0.8	35.0 - 42.0	P	38.4	1.7	9.0 - 13.0	C	10.9	0.8	41.0 - 49.0	P	44.8	1.8	22
Initial Grouping by Reagent																						
Abbott GLDH-rate	13	30.0 - 35.0	P	32.5	0.7	19.0 - 23.0	C	20.6	0.5	35.0 - 42.0	P	38.2	0.8	9.0 - 13.0	C	11.5	0.5	40.0 - 48.0	P	44.2	0.9	22
Alfa Wassermann	14	29.0 - 35.0	P	32.1	1.5	18.0 - 22.0	C	19.8	1.0	35.0 - 42.0	P	38.3	1.8	9.0 - 13.0	C	11.4	0.7	41.0 - 49.0	P	45.0	1.7	69
Beckman NH4 ISE urease	15	29.0 - 35.0	P	31.8	1.8	17.0 - 21.0	C	18.9	1.5	35.0 - 42.0	P	38.2	1.8	9.0 - 13.0	C	10.8	1.2	41.0 - 49.0	P	45.1	2.3	16

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs	
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD
Beckman GLDH-rate	16	30.0 - 36.0	P 32.7	0.9		19.0 - 23.0	C 20.5	0.8		35.0 - 42.0	P 38.8	1.0		10.0 - 14.0	C 11.7	0.6		41.0 - 49.0	P 45.1	1.3	77
Carolina	17	30.0 - 35.0	P 32.4	1.5		18.0 - 22.0	C 19.6	1.4		35.0 - 42.0	P 38.6	1.6		9.0 - 13.0	C 11.3	0.9		41.0 - 49.0	P 45.4	1.8	32
Clinical Dat ATAC GLDH-rate	18	30.0 - 36.0	P 33.0	0.8		18.0 - 22.0	C 20.4	0.9		36.0 - 43.0	P 39.8	1.3		10.0 - 14.0	C 12.0	0.6		42.0 - 50.0	P 45.9	1.8	14
Clinical Data Envoy	19	30.0 - 36.0	P 33.2	1.5		19.0 - 23.0	C 21.2	1.1		36.0 - 43.0	P 39.1	1.4		10.0 - 14.0	C 12.4	0.5		41.0 - 49.0	P 45.2	1.4	12
DCL/Genzyme	20	30.0 - 36.0	P 32.6	1.5		18.0 - 22.0	C 20.1	1.5		36.0 - 43.0	P 39.4	1.7		9.0 - 13.0	C 11.5	0.8		41.0 - 49.0	P 44.8	2.6	26
Horiba ABX	21	30.0 - 36.0	P 33.4	1.1		18.0 - 22.0	C 20.5	0.5		36.0 - 43.0	P 39.5	1.1		10.0 - 14.0	C 12.0	0.7		41.0 - 50.0	P 45.4	1.6	12
J&J Vitros	22	25.0 - 30.0	P 27.3	0.8		16.0 - 20.0	C 17.7	0.7		29.0 - 35.0	P 32.0	0.8		8.0 - 12.0	C 9.9	0.5		34.0 - 40.0	P 36.9	0.9	102
Beckman Olympus	23	30.0 - 35.0	P 32.5	1.0		18.0 - 22.0	C 20.1	0.8		35.0 - 42.0	P 38.6	1.3		9.0 - 13.0	C 11.3	0.6		41.0 - 49.0	P 44.9	1.5	59
Pointe Sci	24	30.0 - 37.0	P 33.5	1.7		19.0 - 23.0	C 20.9	0.9		36.0 - 43.0	P 39.9	1.9		9.0 - 13.0	C 11.4	1.4		42.0 - 50.0	P 45.9	2.5	15
Roche Cobas	25	29.0 - 35.0	P 31.9	1.4		18.0 - 22.0	C 19.8	0.8		35.0 - 42.0	P 38.1	1.4		9.0 - 13.0	C 11.1	0.6		40.0 - 48.0	P 44.2	1.7	50
Roche/Hitachi	26	30.0 - 36.0	P 32.7	0.9		19.0 - 23.0	C 20.6	0.7		36.0 - 43.0	P 39.3	1.5		9.0 - 13.0	C 11.4	0.7		41.0 - 49.0	P 45.0	1.9	11
SDI Biomed	27	32.0 - 38.0	P 34.6	2.4		20.0 - 24.0	C 21.6	1.5		37.0 - 44.0	P 40.2	2.4		10.0 - 14.0	C 11.9	1.2		42.0 - 50.0	P 46.3	3.6	16
Siemens GLDH-endpt	28	30.0 - 36.0	P 33.3	0.8		18.0 - 22.0	C 20.4	0.5		36.0 - 43.0	P 39.4	0.8		9.0 - 13.0	C 10.9	0.5		41.0 - 50.0	P 45.5	1.0	13
Siemens GLDH-rate	29	30.0 - 35.0	P 32.6	1.1		18.0 - 22.0	C 20.1	0.9		35.0 - 42.0	P 38.6	1.4		9.0 - 13.0	C 11.1	0.7		41.0 - 49.0	P 44.9	1.5	193
Initial Grouping by Sensitivity or Principle																					
Ammonia (NH3) diffusion	30	25.0 - 30.0	P 27.3	0.8		16.0 - 20.0	C 17.7	0.7		29.0 - 35.0	P 32.0	0.8		8.0 - 12.0	C 9.9	0.5		34.0 - 40.0	P 36.9	0.9	102
Electrochemical-all methods	31	29.0 - 35.0	P 31.8	1.8		17.0 - 21.0	C 18.9	1.5		35.0 - 42.0	P 38.2	1.8		9.0 - 13.0	C 10.9	1.3		41.0 - 49.0	P 45.1	2.3	17
Glutamate DH-endpoint meths	32	29.0 - 35.0	P 32.4	1.2		18.0 - 22.0	C 20.0	0.9		35.0 - 42.0	P 38.3	1.7		9.0 - 13.0	C 11.2	0.7		40.0 - 48.0	P 44.4	2.0	29
Glutamate DH-rate methods	33	30.0 - 36.0	P 32.6	2.3		18.0 - 22.0	C 20.2	1.7		35.0 - 42.0	P 38.7	2.6		9.0 - 13.0	C 11.4	1.1		41.0 - 49.0	P 45.0	3.0	640
Total Population																					
Whole Population	34	29.0 - 35.0	P 31.8	2.2		18.0 - 22.0	C 19.8	1.4		34.0 - 41.0	P 37.8	2.7		9.0 - 13.0	C 11.2	1.0		40.0 - 48.0	P 43.9	3.2	809

Uric Acid

Initial Grouping by Reagent and Instrument

Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	6.3 - 9.0	P 7.65	0.09		1.7 - 2.4	P 2.08	0.12		8.8 - 12.4	P 10.56	0.14		6.2 - 8.8	P 7.49	0.10		11.2 - 15.8	P 13.47	0.19	19
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	6.2 - 8.7	P 7.48	0.28		2.6 - 3.7	P 3.18	0.27		8.4 - 11.8	P 10.12	0.38		6.0 - 8.5	P 7.27	0.24		10.9 - 15.4	P 13.13	0.50	41
Beckman & Beckman Unicel DXC series	3	6.0 - 8.5	P 7.25	0.13		1.7 - 2.4	P 2.02	0.06		8.3 - 11.7	P 9.96	0.17		5.8 - 8.2	P 7.03	0.12		10.9 - 15.4	P 13.15	0.55	56
Clinical Data Envoy & Vital Diagnostics Envoy	4	6.2 - 8.7	P 7.47	0.21		1.5 - 2.1	P 1.81	0.06		8.6 - 12.2	P 10.40	0.22		6.5 - 9.1	P 7.80	0.21		11.2 - 15.8	P 13.47	0.42	10
J&J Vitros & J&J Vitros not DT or ECi	5	6.1 - 8.6	P 7.35	0.15		1.5 - 2.1	P 1.77	0.09		8.4 - 11.8	P 10.07	0.20		6.3 - 8.9	P 7.57	0.16		10.7 - 15.0	P 12.85	0.26	50
J&J Vitros & J&J Vitros 5,1 FS	6	6.1 - 8.6	P 7.35	0.12		1.5 - 2.0	P 1.75	0.08		8.4 - 11.8	P 10.09	0.23		6.3 - 8.8	P 7.54	0.16		10.7 - 15.0	P 12.84	0.33	16
SDI Biomed & SDI CA-240, 480	7	7.2 - 10.2	P 8.69	0.30		1.9 - 2.7	P 2.29	0.12		10.2 - 14.3	P 12.24	0.31		7.0 - 9.8	P 8.38	0.31		13.2 - 18.7	P 15.95	0.52	15
Siemens Dimension & Siemens Dimension Rxl	8	6.0 - 8.5	P 7.22	0.16		1.7 - 2.3	P 2.00	0.16		8.4 - 11.8	P 10.06	0.17		6.5 - 9.1	P 7.78	0.14		10.6 - 15.0	P 12.79	0.23	17
Siemens Dimension & Siemens Dimension Xpand	9	6.0 - 8.5	P 7.24	0.18		1.6 - 2.3	P 1.98	0.14		8.3 - 11.7	P 10.01	0.24		6.4 - 9.1	P 7.76	0.14		10.7 - 15.0	P 12.85	0.29	63
Siemens Dimension & Siemens Dimension EXL	10	6.0 - 8.5	P 7.22	0.15		1.7 - 2.3	P 2.00	0.10		8.3 - 11.7	P 9.98	0.20		6.4 - 9.1	P 7.75	0.13		10.6 - 15.0	P 12.78	0.23	22

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	11	6.4 - 9.0	P	7.66	0.08	1.7 - 2.4	P	2.07	0.12	8.8 - 12.4	P	10.56	0.14	6.2 - 8.8	P	7.49	0.10	11.2 - 15.8	P	13.47	0.18	21
Alfa Wassermann	12	6.2 - 8.7	P	7.48	0.28	2.6 - 3.7	P	3.18	0.27	8.4 - 11.8	P	10.12	0.38	6.0 - 8.5	P	7.27	0.24	10.9 - 15.4	P	13.13	0.50	41
Beckman	13	6.0 - 8.5	P	7.26	0.13	1.7 - 2.4	P	2.05	0.07	8.3 - 11.6	P	9.95	0.19	5.8 - 8.2	P	7.01	0.14	10.9 - 15.3	P	13.11	0.62	81
Carolina	14	5.9 - 8.3	P	7.13	0.34	1.6 - 2.2	P	1.90	0.27	8.3 - 11.7	P	9.96	0.47	5.8 - 8.1	P	6.95	0.36	10.5 - 14.8	P	12.61	0.56	26
Clinical Data Envoy	15	6.2 - 8.7	P	7.47	0.21	1.5 - 2.1	P	1.81	0.06	8.6 - 12.2	P	10.40	0.22	6.5 - 9.1	P	7.80	0.21	11.2 - 15.8	P	13.47	0.42	10
DCL/Genzyme	16	6.6 - 9.2	P	7.89	0.48	1.9 - 2.7	P	2.28	0.44	9.3 - 13.1	P	11.22	0.51	6.3 - 8.9	P	7.62	0.42	12.5 - 17.6	P	15.01	0.89	13
J&J Vitros	17	6.1 - 8.6	P	7.34	0.15	1.5 - 2.1	P	1.76	0.09	8.4 - 11.8	P	10.06	0.20	6.3 - 8.8	P	7.55	0.16	10.7 - 15.0	P	12.83	0.27	78
Beckman Olympus	18	6.5 - 9.1	P	7.80	0.18	1.6 - 2.2	P	1.92	0.07	9.0 - 12.6	P	10.80	0.25	6.9 - 9.7	P	8.33	0.18	11.5 - 16.2	P	13.88	0.32	52
Pointe Sci	19	6.5 - 9.1	P	7.80	0.68	1.8 - 2.5	P	2.14	0.37	9.0 - 12.7	P	10.86	0.91	6.1 - 8.6	P	7.33	0.86	11.5 - 16.2	P	13.82	1.33	20
Roche Cobas	20	6.1 - 8.6	P	7.36	0.19	1.4 - 2.0	P	1.73	0.07	8.4 - 11.9	P	10.16	0.28	6.3 - 8.8	P	7.55	0.23	10.7 - 15.1	P	12.94	0.44	44
Roche/Hitachi Plus	21	6.1 - 8.6	P	7.38	0.18	1.4 - 2.0	P	1.71	0.06	8.5 - 12.0	P	10.26	0.24	6.4 - 9.0	P	7.67	0.16	10.9 - 15.4	P	13.15	0.32	10
SDI Biomed	22	7.2 - 10.2	P	8.69	0.30	1.9 - 2.7	P	2.29	0.12	10.2 - 14.3	P	12.24	0.31	7.0 - 9.8	P	8.38	0.31	13.2 - 18.7	P	15.95	0.52	15
Siemens Advia	23	6.2 - 8.8	P	7.49	0.17	1.5 - 2.1	P	1.81	0.08	8.6 - 12.1	P	10.34	0.28	6.4 - 9.1	P	7.74	0.21	10.9 - 15.4	P	13.15	0.36	14
Siemens Dimension	24	6.0 - 8.5	P	7.23	0.18	1.6 - 2.3	P	1.98	0.13	8.3 - 11.7	P	10.00	0.23	6.4 - 9.1	P	7.75	0.16	10.6 - 15.0	P	12.82	0.28	154
Initial Grouping by Sensitivity or Principle																						
Endpt-corrected(bic or SB)	25	6.2 - 8.8	P	7.48	0.29	1.7 - 2.4	P	2.06	0.53	8.5 - 12.0	P	10.30	0.41	6.4 - 9.0	P	7.68	0.41	11.0 - 15.5	P	13.22	0.57	239
Endpoint-uncorrected	26	6.6 - 9.3	P	7.91	0.71	1.8 - 2.5	P	2.14	0.36	9.2 - 12.9	P	11.04	1.03	6.3 - 8.9	P	7.64	0.79	11.8 - 16.7	P	14.24	1.48	85
Rate	27	6.0 - 8.5	P	7.25	0.20	1.6 - 2.3	P	1.96	0.16	8.3 - 11.7	P	10.01	0.27	6.2 - 8.7	P	7.46	0.39	10.7 - 15.1	P	12.90	0.46	308
Total Population																						
Whole Population	28	6.2 - 8.7	P	7.43	0.41	1.6 - 2.3	P	1.94	0.20	8.5 - 12.0	P	10.25	0.58	6.3 - 8.9	P	7.57	0.49	11.0 - 15.4	P	13.20	0.82	641

Alanine Aminotransferase (ALT or SGPT)

Initial Grouping by Reagent and Instrument

Abbott no P5P & Abbott Architect c, ci, i	1	153.0 - 230.0	P	191.8	4.0	87.0 - 130.0	P	108.2	3.4	187.0 - 281.0	P	233.8	5.1	22.0 - 33.0	P	27.5	2.0	220.0 - 331.0	P	275.6	5.3	21
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	134.0 - 201.0	P	167.8	6.0	77.0 - 116.0	P	96.8	3.7	164.0 - 246.0	P	205.4	7.1	24.0 - 35.0	P	29.4	3.0	193.0 - 290.0	P	241.8	8.7	67
Beckman no P5P & Beckman Unicel DXC series	3	146.0 - 219.0	P	182.4	3.7	84.0 - 125.0	P	104.5	2.3	178.0 - 267.0	P	222.7	4.7	23.0 - 35.0	P	28.9	1.5	210.0 - 316.0	P	263.0	5.2	55
Clinical Data ATAC & Vital Diag CI Data ATAC8000	4	144.0 - 215.0	P	179.4	9.5	82.0 - 123.0	P	102.4	3.8	172.0 - 258.0	P	215.3	11.8	21.0 - 32.0	P	26.4	2.4	210.0 - 315.0	P	262.8	15.9	14
Clinical Data Envoy & Vital Diagnostics Envoy	5	156.0 - 234.0	P	195.1	6.2	89.0 - 133.0	P	110.9	3.9	189.0 - 284.0	P	236.7	6.5	21.0 - 32.0	P	26.7	1.3	223.0 - 335.0	P	278.8	7.3	13
Horriba ABX & Horiba ABX Pentra 400	6	162.0 - 243.0	P	202.4	3.4	91.0 - 136.0	P	113.6	2.5	197.0 - 295.0	P	246.1	5.4	24.0 - 35.0	P	29.4	1.3	231.0 - 347.0	P	288.8	6.1	12
J&J Vitros & J&J Vitros not DT or ECi	7	154.0 - 231.0	P	192.7	5.4	89.0 - 133.0	P	111.2	5.4	189.0 - 284.0	P	236.3	6.7	35.0 - 53.0	P	44.4	3.9	224.0 - 336.0	P	280.1	6.6	68
J&J Vitros & J&J Vitros 5,1 FS	8	154.0 - 230.0	P	192.0	4.7	89.0 - 134.0	P	111.4	3.6	188.0 - 282.0	P	234.8	6.1	35.0 - 52.0	P	43.7	3.0	221.0 - 332.0	P	276.6	8.3	17
SDI Biomed & SDI CA-240, 480	9	119.0 - 178.0	P	148.4	8.9	70.0 - 105.0	P	87.6	5.3	146.0 - 219.0	P	182.5	12.4	17.0 - 25.0	P	20.9	1.3	157.0 - 235.0	P	195.8	16.5	16

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Siemens Dimension, DIM CKI & Siemens Dimension Rxl	10	144.0 - 216.0	P 179.8	5.7		86.0 - 129.0	P 107.7	5.2		174.0 - 261.0	P 217.1	6.4		28.0 - 42.0	P 34.9	2.3		204.0 - 306.0	P 254.6	5.9	19	
Siemens Dimension, DIM CKI & Siemens Dimension Xpand	11	146.0 - 220.0	P 183.0	5.4		88.0 - 132.0	P 109.7	3.9		176.0 - 264.0	P 219.9	6.0		28.0 - 42.0	P 35.0	2.1		205.0 - 308.0	P 256.7	7.6	79	
Siemens Dimension, DIM CKI & Siemens Dimension EXL	12	144.0 - 215.0	P 179.5	3.6		86.0 - 129.0	P 107.7	2.8		174.0 - 261.0	P 217.5	4.8		28.0 - 42.0	P 34.6	1.1		202.0 - 304.0	P 253.0	4.9	22	
Initial Grouping by Reagent																						
Abbott no P5P	13	153.0 - 230.0	P 191.6	4.2		87.0 - 130.0	P 108.2	3.5		187.0 - 280.0	P 233.5	5.2		22.0 - 33.0	P 27.5	2.0		220.0 - 331.0	P 275.4	5.6	24	
Alfa Wassermann	14	134.0 - 201.0	P 167.8	6.0		77.0 - 116.0	P 96.8	3.7		164.0 - 246.0	P 205.4	7.1		24.0 - 35.0	P 29.4	3.0		193.0 - 290.0	P 241.8	8.7	67	
Beckman no P5P	15	144.0 - 216.0	P 179.8	5.3		82.0 - 123.0	P 102.9	3.3		176.0 - 264.0	P 219.6	6.4		22.0 - 34.0	P 28.1	1.9		207.0 - 311.0	P 259.3	7.4	88	
Beckman Olympus	16	133.0 - 200.0	P 166.6	4.7		75.0 - 113.0	P 94.2	2.6		162.0 - 243.0	P 202.6	6.0		19.0 - 28.0	P 23.7	1.1		191.0 - 287.0	P 239.3	6.4	58	
Carolina	17	149.0 - 224.0	P 186.4	10.2		85.0 - 127.0	P 105.8	5.1		183.0 - 274.0	P 228.4	13.2		22.0 - 33.0	P 27.3	2.0		215.0 - 322.0	P 268.2	15.4	25	
Clinical Data ATAC	18	144.0 - 215.0	P 179.4	9.5		82.0 - 123.0	P 102.4	3.8		172.0 - 258.0	P 215.3	11.8		21.0 - 32.0	P 26.4	2.4		210.0 - 315.0	P 262.8	15.9	14	
Clinical Data Envoy	19	156.0 - 234.0	P 195.1	6.2		89.0 - 133.0	P 110.9	3.9		189.0 - 284.0	P 236.7	6.5		21.0 - 32.0	P 26.7	1.3		223.0 - 335.0	P 278.8	7.3	13	
DCL/Genzyme	20	138.0 - 207.0	P 172.1	9.0		78.0 - 116.0	P 96.9	4.8		168.0 - 251.0	P 209.4	9.7		19.0 - 29.0	P 24.3	1.5		197.0 - 295.0	P 245.9	12.9	20	
Horriba ABX	21	162.0 - 243.0	P 202.4	3.4		91.0 - 136.0	P 113.6	2.5		197.0 - 295.0	P 246.1	5.4		24.0 - 35.0	P 29.4	1.3		231.0 - 347.0	P 288.8	6.1	12	
J&J Vitros	22	154.0 - 231.0	P 192.7	5.4		89.0 - 134.0	P 111.4	5.4		189.0 - 283.0	P 236.1	6.7		35.0 - 53.0	P 44.3	4.0		223.0 - 335.0	P 279.3	7.0	97	
Pointe Sci 37 deg	23	154.0 - 231.0	P 192.2	15.2		88.0 - 132.0	P 109.7	10.4		188.0 - 283.0	P 235.6	19.5		23.0 - 34.0	P 28.6	4.4		220.0 - 330.0	P 275.2	21.7	18	
Roche Cobas	24	151.0 - 227.0	P 189.3	7.0		85.0 - 127.0	P 106.1	4.2		184.0 - 276.0	P 230.3	9.6		22.0 - 33.0	P 27.2	1.1		218.0 - 328.0	P 273.0	10.5	46	
Roche/Hitachi no P5P	25	154.0 - 231.0	P 192.1	8.5		87.0 - 131.0	P 109.2	5.4		190.0 - 285.0	P 237.4	14.4		22.0 - 33.0	P 27.8	1.1		221.0 - 332.0	P 276.5	11.4	13	
SDI Biomed	26	119.0 - 178.0	P 148.4	8.9		70.0 - 105.0	P 87.6	5.3		146.0 - 219.0	P 182.5	12.4		17.0 - 25.0	P 20.9	1.3		157.0 - 235.0	P 195.8	16.5	16	
Siemens no P5P	27	154.0 - 230.0	P 191.9	5.8		88.0 - 132.0	P 109.8	4.2		188.0 - 281.0	P 234.5	7.5		24.0 - 35.0	P 29.4	2.2		220.0 - 330.0	P 275.1	9.1	15	
Siemens Dimension, DIM CKI	28	146.0 - 218.0	P 182.0	5.5		87.0 - 131.0	P 109.1	4.1		175.0 - 263.0	P 219.2	6.0		28.0 - 42.0	P 34.9	1.9		205.0 - 307.0	P 256.0	7.1	183	
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meths	29	141.0 - 211.0	P 176.1	14.8		80.0 - 120.0	P 100.2	8.0		171.0 - 256.0	P 213.3	19.4		20.0 - 31.0	P 25.5	3.6		201.0 - 301.0	P 250.8	24.5	17	
Moderate recovery methods	30	137.0 - 205.0	P 171.2	10.9		78.0 - 118.0	P 98.0	6.0		167.0 - 251.0	P 208.9	12.9		21.0 - 32.0	P 26.8	3.4		196.0 - 294.0	P 245.3	18.9	241	
High moderate recovery meth	31	150.0 - 226.0	P 188.0	10.6		85.0 - 128.0	P 106.7	6.4		183.0 - 275.0	P 229.0	13.9		22.0 - 33.0	P 27.5	2.8		216.0 - 324.0	P 270.1	15.4	181	

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs	
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD
High recovery methods	32	149.0 - 224.0	P 186.7	8.5		88.0 - 132.0	P 109.8	4.9		181.0 - 272.0	P 226.5	11.4		29.0 - 44.0	P 36.8	6.0		213.0 - 319.0	P 265.8	14.4	324
Total Population																					
Whole Population	33	145.0 - 218.0	P 181.8	13.1		84.0 - 126.0	P 105.0	8.0		177.0 - 265.0	P 221.0	16.4		24.0 - 36.0	P 29.9	4.7		208.0 - 312.0	P 260.1	19.6	786

Alkaline Phosphatase

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	201.0 - 373.0	P 286.7	10.6		93.0 - 172.0	P 132.7	4.2		252.0 - 469.0	P 360.7	12.4		32.0 - 59.0	P 45.1	2.3		307.0 - 569.0	P 438.0	15.1	21
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	191.0 - 355.0	P 273.1	19.2		88.0 - 164.0	P 126.3	8.9		245.0 - 455.0	P 350.3	25.5		31.0 - 58.0	P 44.7	3.5		301.0 - 558.0	P 429.5	28.9	63
Beckman & Beckman Unicel DXC series	3	181.0 - 335.0	P 257.9	12.6		85.0 - 157.0	P 121.1	6.6		230.0 - 427.0	P 328.5	16.2		28.0 - 52.0	P 40.1	2.8		279.0 - 518.0	P 398.7	20.9	58
Clinical Data ATAC & Vital Diag CI Data ATAC8000	4	187.0 - 347.0	P 267.0	19.6		90.0 - 167.0	P 128.8	10.7		238.0 - 441.0	P 339.6	29.6		32.0 - 60.0	P 46.4	3.3		292.0 - 543.0	P 417.5	29.0	14
Clinical Data Envoy & Vital Diagnostics Envoy	5	183.0 - 340.0	P 261.4	16.5		85.0 - 159.0	P 122.0	7.2		233.0 - 433.0	P 333.3	15.4		29.0 - 55.0	P 41.9	3.1		283.0 - 526.0	P 404.3	19.7	13
Horriba ABX & Horiba ABX Pentra 400	6	206.0 - 383.0	P 294.8	8.2		96.0 - 178.0	P 136.8	4.1		261.0 - 486.0	P 373.5	13.3		33.0 - 62.0	P 47.4	2.2		320.0 - 595.0	P 457.4	15.5	12
J&J Vitros & J&J Vitros not DT or ECi	7	138.0 - 256.0	P 196.7	12.2		72.0 - 134.0	P 102.9	5.8		170.0 - 315.0	P 242.5	14.3		24.0 - 44.0	P 33.8	3.0		201.0 - 373.0	P 286.7	18.1	68
J&J Vitros & J&J Vitros 5,1 FS	8	145.0 - 269.0	P 207.1	12.2		76.0 - 141.0	P 108.2	4.9		178.0 - 330.0	P 254.1	17.8		25.0 - 46.0	P 35.4	2.2		208.0 - 387.0	P 297.7	21.3	17
SDI Biomed & SDI CA-240, 480	9	183.0 - 340.0	P 261.8	8.2		85.0 - 157.0	P 120.7	3.8		217.0 - 403.0	P 309.8	17.4		29.0 - 53.0	P 41.0	5.9		277.0 - 514.0	P 395.1	18.4	16
Siemens Dimension & Siemens Dimension Rxl	10	213.0 - 395.0	P 303.8	17.4		100.0 - 186.0	P 143.4	14.4		274.0 - 508.0	P 390.8	17.1		37.0 - 69.0	P 52.7	7.5		331.0 - 615.0	P 473.2	19.2	20
Siemens Dimension & Siemens Dimension Xpand	11	210.0 - 389.0	P 299.6	15.4		98.0 - 182.0	P 139.8	8.2		268.0 - 497.0	P 382.3	18.9		35.0 - 66.0	P 50.6	5.0		327.0 - 607.0	P 467.0	22.7	84
Siemens Dimension & Siemens Dimension EXL	12	224.0 - 416.0	P 320.2	11.5		106.0 - 197.0	P 151.5	5.4		284.0 - 527.0	P 405.0	13.3		39.0 - 73.0	P 55.9	3.6		339.0 - 630.0	P 484.7	12.5	23

Initial Grouping by Reagent

Abbott	13	201.0 - 374.0	P 287.5	11.2		93.0 - 173.0	P 133.2	5.0		253.0 - 470.0	P 361.7	13.8		32.0 - 59.0	P 45.4	2.5		308.0 - 571.0	P 439.4	17.3	23
Alfa Wassermann	14	191.0 - 355.0	P 273.1	19.2		88.0 - 164.0	P 126.3	8.9		245.0 - 455.0	P 350.3	25.5		31.0 - 58.0	P 44.7	3.5		301.0 - 558.0	P 429.5	28.9	63
Beckman	15	179.0 - 333.0	P 255.8	11.6		84.0 - 155.0	P 119.5	6.6		228.0 - 423.0	P 325.3	15.0		28.0 - 52.0	P 39.7	2.8		276.0 - 512.0	P 394.0	20.6	89
Beckman Olym DEA/converted	16	172.0 - 319.0	P 245.1	19.0		80.0 - 149.0	P 114.3	10.4		221.0 - 411.0	P 316.2	30.3		28.0 - 51.0	P 39.5	4.0		268.0 - 498.0	P 382.9	35.3	35
Beckman Olympus no DEA	17	173.0 - 322.0	P 247.8	15.1		80.0 - 149.0	P 114.7	6.8		220.0 - 408.0	P 314.0	19.0		28.0 - 52.0	P 40.1	3.3		268.0 - 498.0	P 383.0	23.9	24
Carolina	18	165.0 - 306.0	P 235.6	27.6		79.0 - 146.0	P 112.2	8.7		213.0 - 395.0	P 303.7	27.3		28.0 - 51.0	P 39.3	4.6		259.0 - 482.0	P 370.5	34.3	29

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
Clinical Data ATAC	19	187.0 - 347.0	P 267.0	19.6	90.0 - 167.0	P 128.8	10.7	238.0 - 441.0	P 339.6	29.6	32.0 - 60.0	P 46.4	3.3	292.0 - 543.0	P 417.5	29.0	14
Clinical Data Envoy	20	183.0 - 340.0	P 261.4	16.5	85.0 - 159.0	P 122.0	7.2	233.0 - 433.0	P 333.3	15.4	29.0 - 55.0	P 41.9	3.1	283.0 - 526.0	P 404.3	19.7	13
DCL/Genzyme	21	195.0 - 362.0	P 278.6	35.7	88.0 - 164.0	P 126.0	15.9	247.0 - 459.0	P 353.2	47.9	30.0 - 55.0	P 42.2	5.3	302.0 - 561.0	P 431.6	54.8	22
Horriba ABX	22	206.0 - 383.0	P 294.8	8.2	96.0 - 178.0	P 136.8	4.1	261.0 - 486.0	P 373.5	13.3	33.0 - 62.0	P 47.4	2.2	320.0 - 595.0	P 457.4	15.5	12
J&J Vitros	23	139.0 - 259.0	P 199.1	12.5	73.0 - 136.0	P 104.3	6.1	171.0 - 318.0	P 245.0	15.1	24.0 - 45.0	P 34.3	3.0	202.0 - 375.0	P 288.5	19.3	95
Pointe Sci	24	187.0 - 347.0	P 266.7	22.1	87.0 - 161.0	P 123.9	11.8	241.0 - 447.0	P 343.7	23.8	28.0 - 51.0	P 39.3	4.7	297.0 - 551.0	P 424.1	30.3	19
Roche IFCC Gen. 2	25	185.0 - 343.0	P 264.0	10.8	84.0 - 156.0	P 119.9	4.4	236.0 - 438.0	P 337.1	13.3	29.0 - 53.0	P 40.8	2.0	288.0 - 535.0	P 411.8	15.5	46
SDI Biomed	26	183.0 - 340.0	P 261.8	8.2	85.0 - 157.0	P 120.7	3.8	217.0 - 403.0	P 309.8	17.4	29.0 - 53.0	P 41.0	5.9	277.0 - 514.0	P 395.1	18.4	16
Siemens	27	195.0 - 361.0	P 278.0	17.5	91.0 - 169.0	P 130.1	7.0	249.0 - 463.0	P 356.3	19.8	31.0 - 57.0	P 43.7	3.8	299.0 - 555.0	P 426.8	26.3	15
Siemens Dimension	28	213.0 - 396.0	P 304.6	16.1	100.0 - 186.0	P 143.3	9.7	272.0 - 505.0	P 388.8	19.4	37.0 - 68.0	P 52.3	5.5	331.0 - 615.0	P 473.2	22.1	191
Initial Grouping by Sensitivity or Principle																	
Low moderate recovery meths	29	179.0 - 332.0	P 255.1	15.9	83.0 - 155.0	P 119.0	7.9	225.0 - 418.0	P 321.2	21.3	28.0 - 52.0	P 39.9	3.5	275.0 - 510.0	P 392.4	25.8	111
Moderate recovery methods	30	157.0 - 292.0	P 224.7	40.5	78.0 - 145.0	P 111.4	15.4	197.0 - 365.0	P 280.7	56.2	26.0 - 49.0	P 37.5	5.8	235.0 - 437.0	P 336.0	71.7	161
High moderate recovery meth	31	183.0 - 340.0	P 261.7	28.0	86.0 - 160.0	P 122.9	11.9	234.0 - 435.0	P 334.7	31.9	29.0 - 55.0	P 41.9	5.1	286.0 - 531.0	P 408.2	39.3	110
High recovery methods	32	186.0 - 345.0	P 265.8	23.8	85.0 - 159.0	P 122.0	10.9	238.0 - 442.0	P 340.2	32.4	30.0 - 55.0	P 42.1	4.2	290.0 - 539.0	P 414.7	37.5	180
Very high recovery methods	33	213.0 - 396.0	P 304.4	16.1	100.0 - 186.0	P 143.2	9.7	272.0 - 505.0	P 388.6	19.5	37.0 - 68.0	P 52.3	5.5	331.0 - 615.0	P 472.9	22.3	193
Total Population																	
Whole Population	34	186.0 - 345.0	P 265.6	36.7	88.0 - 163.0	P 125.1	15.6	237.0 - 439.0	P 337.9	48.5	30.0 - 56.0	P 42.9	6.4	288.0 - 534.0	P 410.9	60.5	771

Aspartate Aminotransferase (AST or SGOT)

Initial Grouping by Reagent and Instrument

Abbott no P5P & Abbott Architect c, ci, i	1	133.0 - 200.0	P 166.8	4.3	73.0 - 109.0	P 90.7	2.8	165.0 - 248.0	P 206.7	5.0	21.0 - 31.0	P 26.2	1.2	200.0 - 300.0	P 250.3	5.4	19
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	130.0 - 194.0	P 162.0	7.2	70.0 - 105.0	P 87.4	5.1	162.0 - 243.0	P 202.4	7.8	24.0 - 36.0	P 29.8	2.8	198.0 - 297.0	P 247.2	8.3	65
Beckman no P5P & Beckman Unicel DXC series	3	130.0 - 195.0	P 162.7	5.4	71.0 - 106.0	P 88.4	3.9	162.0 - 244.0	P 203.0	6.2	21.0 - 32.0	P 26.4	1.4	197.0 - 296.0	P 246.6	7.1	56
Clinical Data ATAC & Vital Diag Cl Data ATAC8000	4	121.0 - 181.0	P 150.8	9.7	66.0 - 100.0	P 83.1	6.8	148.0 - 222.0	P 184.9	14.8	21.0 - 31.0	P 26.1	2.0	181.0 - 272.0	P 226.7	11.9	14

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Clinical Data Envoy & Vital Diagnostics Envoy	5	138.0 - 207.0	P 172.1	7.7		76.0 - 114.0	P 94.7	6.3		168.0 - 251.0	P 209.5	10.0		21.0 - 31.0	P 25.9	4.3		202.0 - 303.0	P 252.5	12.5	13	
Horriba ABX & Horiba ABX Pentra 400	6	130.0 - 196.0	P 163.1	6.8		71.0 - 107.0	P 88.8	4.8		162.0 - 242.0	P 202.0	8.1		23.0 - 34.0	P 28.5	1.9		196.0 - 294.0	P 244.9	8.3	12	
J&J Vitros & J&J Vitros not DT or ECi	7	168.0 - 252.0	P 209.6	7.8		95.0 - 143.0	P 119.2	4.9		207.0 - 311.0	P 259.2	10.3		29.0 - 44.0	P 36.5	1.6		248.0 - 372.0	P 309.9	12.4	68	
J&J Vitros & J&J Vitros 5,1 FS	8	162.0 - 243.0	P 202.8	7.1		93.0 - 139.0	P 116.1	6.3		200.0 - 301.0	P 250.5	10.7		28.0 - 42.0	P 35.3	1.8		239.0 - 359.0	P 299.0	12.2	17	
SDI Biomed & SDI CA-240, 480	9	111.0 - 166.0	P 138.5	6.8		64.0 - 95.0	P 79.5	4.6		134.0 - 201.0	P 167.5	14.2		18.0 - 27.0	P 22.2	2.0		140.0 - 210.0	P 175.1	20.3	15	
Siemens Dimension & Siemens Dimension Rxl	10	162.0 - 243.0	P 202.2	7.9		95.0 - 143.0	P 118.9	5.0		195.0 - 292.0	P 243.2	12.5		29.0 - 43.0	P 36.2	2.6		231.0 - 346.0	P 288.7	11.5	18	
Siemens Dimension & Siemens Dimension Xpand	11	164.0 - 246.0	P 205.0	5.3		96.0 - 144.0	P 120.1	3.7		198.0 - 297.0	P 247.8	6.9		29.0 - 43.0	P 36.0	2.5		234.0 - 351.0	P 292.7	8.1	78	
Siemens Dimension & Siemens Dimension EXL	12	161.0 - 242.0	P 201.4	5.2		95.0 - 142.0	P 118.5	3.3		196.0 - 295.0	P 245.5	5.6		28.0 - 43.0	P 35.5	2.2		231.0 - 347.0	P 289.2	6.3	22	
Initial Grouping by Reagent																						
Abbott no P5P	13	133.0 - 200.0	P 166.6	5.1		72.0 - 109.0	P 90.6	3.2		165.0 - 248.0	P 206.6	5.3		21.0 - 31.0	P 26.2	1.1		200.0 - 300.0	P 250.3	5.6	21	
Alfa Wassermann	14	130.0 - 194.0	P 162.0	7.2		70.0 - 105.0	P 87.4	5.1		162.0 - 243.0	P 202.4	7.8		24.0 - 36.0	P 29.8	2.8		198.0 - 297.0	P 247.2	8.3	65	
Beckman no P5P	15	128.0 - 193.0	P 160.6	6.6		70.0 - 105.0	P 87.3	4.3		160.0 - 240.0	P 200.4	7.6		21.0 - 31.0	P 25.9	1.7		195.0 - 292.0	P 243.3	8.6	88	
Beckman Olympus	16	118.0 - 177.0	P 147.3	5.3		64.0 - 96.0	P 80.1	3.3		146.0 - 220.0	P 183.1	6.4		19.0 - 28.0	P 23.5	1.3		178.0 - 266.0	P 222.0	7.5	59	
Carolina	17	144.0 - 215.0	P 179.5	13.1		77.0 - 116.0	P 96.5	6.9		179.0 - 269.0	P 223.9	16.3		23.0 - 34.0	P 28.7	2.6		217.0 - 326.0	P 271.7	18.4	28	
Clinical Data ATAC	18	121.0 - 181.0	P 150.8	9.7		66.0 - 100.0	P 83.1	6.8		148.0 - 222.0	P 184.9	14.8		21.0 - 31.0	P 26.1	2.0		181.0 - 272.0	P 226.7	11.9	14	
Clinical Data Envoy	19	138.0 - 207.0	P 172.1	7.7		76.0 - 114.0	P 94.7	6.3		168.0 - 251.0	P 209.5	10.0		21.0 - 31.0	P 25.9	4.3		202.0 - 303.0	P 252.5	12.5	13	
DCL/Genzyme	20	132.0 - 198.0	P 164.6	22.9		71.0 - 106.0	P 88.6	12.1		164.0 - 245.0	P 204.4	28.8		20.0 - 31.0	P 25.5	3.4		199.0 - 298.0	P 248.6	37.3	23	
Horriba ABX	21	130.0 - 196.0	P 163.1	6.8		71.0 - 107.0	P 88.8	4.8		162.0 - 242.0	P 202.0	8.1		23.0 - 34.0	P 28.5	1.9		196.0 - 294.0	P 244.9	8.3	12	
J&J Vitros	22	167.0 - 250.0	P 208.4	8.3		95.0 - 142.0	P 118.6	5.3		206.0 - 309.0	P 257.4	11.0		29.0 - 44.0	P 36.3	1.7		246.0 - 368.0	P 307.1	12.7	95	
Pointe Sci 37 deg	23	141.0 - 212.0	P 176.4	8.8		76.0 - 114.0	P 94.9	6.6		178.0 - 267.0	P 222.6	9.9		21.0 - 32.0	P 26.3	2.5		217.0 - 325.0	P 270.8	12.5	18	
Roche Cobas	24	136.0 - 204.0	P 170.2	7.8		72.0 - 109.0	P 90.5	4.5		170.0 - 255.0	P 212.5	9.8		21.0 - 32.0	P 26.5	1.3		206.0 - 309.0	P 257.1	11.6	47	
Roche/Hitachi no P5P	25	133.0 - 200.0	P 166.6	7.0		72.0 - 109.0	P 90.6	5.2		167.0 - 251.0	P 209.2	7.4		22.0 - 32.0	P 26.9	1.9		204.0 - 306.0	P 254.8	7.8	12	
SDI Biomed	26	111.0 - 167.0	P 138.8	6.7		64.0 - 95.0	P 79.4	4.5		134.0 - 202.0	P 168.1	13.9		18.0 - 27.0	P 22.2	1.9		141.0 - 212.0	P 176.9	20.9	16	
		140.0 -								174.0 -								210.0 -				

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs					
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD						
Siemens no P5P	27	210.0	P	175.1	8.9	77.0 - 115.0	P	95.9	6.4	262.0	P	217.9	10.4	24.0 - 36.0	P	30.1	3.0	315.0	P	262.2	11.6	15
Siemens Dimension	28	163.0 - 245.0	P	204.1	5.6	96.0 - 144.0	P	120.0	3.8	198.0 - 297.0	P	247.3	7.5	29.0 - 43.0	P	36.1	2.4	233.0 - 350.0	P	291.8	8.2	183
Sterling	29	150.0 - 225.0	P	187.8	10.4	98.0 - 147.0	P	122.1	3.5	177.0 - 265.0	P	220.8	14.3	65.0 - 98.0	P	81.5	7.2	205.0 - 307.0	P	255.9	10.2	10
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	30	124.0 - 186.0	P	154.9	10.0	67.0 - 101.0	P	84.0	5.7	153.0 - 229.0	P	190.7	14.2	21.0 - 31.0	P	25.9	2.4	187.0 - 280.0	P	233.7	14.2	23
Low moderate recovery meth	31	127.0 - 190.0	P	158.3	9.1	69.0 - 103.0	P	85.8	5.4	158.0 - 237.0	P	197.3	11.0	21.0 - 32.0	P	26.4	3.0	192.0 - 288.0	P	239.9	13.1	236
Moderate recovery methods	32	134.0 - 200.0	P	166.9	16.5	73.0 - 110.0	P	91.3	16.3	165.0 - 248.0	P	206.7	23.1	21.0 - 32.0	P	26.7	3.1	199.0 - 299.0	P	249.1	32.5	160
High moderate recovery meth	33	141.0 - 212.0	P	176.5	13.5	79.0 - 118.0	P	98.6	11.9	175.0 - 262.0	P	218.5	16.5	28.0 - 42.0	P	35.4	19.6	211.0 - 316.0	P	263.3	20.1	71
Very high recovery methods	34	164.0 - 246.0	P	205.4	7.0	96.0 - 143.0	P	119.5	4.4	200.0 - 301.0	P	250.5	10.0	29.0 - 43.0	P	36.1	2.2	237.0 - 356.0	P	296.7	12.2	286
Total Population																						
Whole Population	35	143.0 - 215.0	P	178.9	23.5	80.0 - 120.0	P	100.2	16.5	177.0 - 265.0	P	220.8	27.4	24.0 - 36.0	P	30.2	5.3	212.0 - 318.0	P	265.3	30.5	788