



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																		
Beckman Olympus BCG & Beckm Olym AU 400/600/5400	1	2.1 - 2.6	P 2.37	0.06	2.1 - 2.5	P 2.30	0.06	3.6 - 4.4	P 3.98	0.08	2.5 - 3.0	P 2.76	0.07	2.4 - 3.0	P 2.70	0.06	55	
Alfa Wassermann BCG & Alfa Wasser ACE/Centr/Alera	2	2.2 - 2.7	P 2.47	0.07	2.2 - 2.7	P 2.43	0.07	3.7 - 4.5	P 4.06	0.09	2.6 - 3.2	P 2.88	0.06	2.6 - 3.1	P 2.84	0.10	58	
Beckman BCP & Beckman Unicel DXC series	3	1.7 - 2.1	P 1.86	0.07	1.7 - 2.0	P 1.85	0.06	2.8 - 3.4	P 3.13	0.09	2.0 - 2.4	P 2.19	0.04	1.9 - 2.4	P 2.15	0.06	58	
Carolina BCG & Beckman Synchron CX3/7/9/L	4	1.6 - 2.0	P 1.82	0.04	1.6 - 2.0	P 1.80	0.00	2.8 - 3.5	P 3.17	0.12	2.0 - 2.4	P 2.18	0.09	1.9 - 2.3	P 2.10	0.00	12	
Clinical Data BCG & Vital Diag CI Data ATAC8000	5	2.1 - 2.6	P 2.37	0.08	2.1 - 2.6	P 2.34	0.08	3.6 - 4.4	P 4.01	0.14	2.5 - 3.1	P 2.78	0.10	2.4 - 3.0	P 2.70	0.12	10	
Clinical Data Envoy & Vital Diagnostics Envoy	6	2.2 - 2.7	P 2.43	0.10	2.1 - 2.6	P 2.38	0.10	3.6 - 4.4	P 4.04	0.17	2.6 - 3.1	P 2.84	0.12	2.5 - 3.0	P 2.76	0.12	12	
Horiba ABX & Horiba ABX Pentra 400	7	2.1 - 2.6	P 2.38	0.09	2.1 - 2.6	P 2.35	0.09	3.5 - 4.2	P 3.84	0.13	2.5 - 3.1	P 2.78	0.10	2.4 - 3.0	P 2.69	0.11	11	
J&J Vitros rapid BCG & J&J Vitros not DT or ECi	8	2.0 - 2.5	P 2.23	0.08	2.0 - 2.4	P 2.17	0.08	3.7 - 4.5	P 4.10	0.17	2.4 - 3.0	P 2.69	0.09	2.3 - 2.9	P 2.61	0.08	66	
J&J Vitros rapid BCG & J&J Vitros 5,1 FS	9	2.0 - 2.5	P 2.25	0.09	2.0 - 2.4	P 2.20	0.09	3.8 - 4.6	P 4.17	0.18	2.4 - 3.0	P 2.70	0.11	2.4 - 2.9	P 2.62	0.08	20	
Roche Cobas BCG, gen II & Roche Cobas 6000	10	2.3 - 2.9	P 2.61	0.14	2.3 - 2.8	P 2.52	0.15	3.8 - 4.7	P 4.23	0.18	2.7 - 3.3	P 2.98	0.13	2.6 - 3.2	P 2.92	0.15	11	
Roche Cobas BCG, gen II & Roche Cobas Integra	11	2.2 - 2.7	P 2.47	0.07	2.2 - 2.7	P 2.41	0.07	3.7 - 4.5	P 4.11	0.09	2.6 - 3.2	P 2.88	0.08	2.5 - 3.1	P 2.82	0.06	21	
SDI Biomed & SDI CA-240, 480	12	2.3 - 2.8	P 2.56	0.12	2.3 - 2.8	P 2.51	0.12	3.7 - 4.5	P 4.13	0.15	2.7 - 3.2	P 2.95	0.10	2.6 - 3.2	P 2.89	0.08	18	
Siemens BCG-rapid & Siemens Advia series	13	2.2 - 2.6	P 2.39	0.10	2.1 - 2.6	P 2.36	0.09	3.6 - 4.5	P 4.05	0.12	2.5 - 3.1	P 2.80	0.09	2.5 - 3.0	P 2.76	0.12	14	
Siemens BCP & Siemens Dimension Rxl	14	1.6 - 2.0	P 1.80	0.00	1.6 - 1.9	P 1.76	0.05	2.8 - 3.4	P 3.10	0.06	1.9 - 2.3	P 2.12	0.05	1.9 - 2.3	P 2.10	0.04	22	
Siemens BCP & Siemens Dimension EXL	15	1.6 - 2.0	P 1.78	0.04	1.6 - 1.9	P 1.74	0.05	2.7 - 3.4	P 3.05	0.08	1.9 - 2.3	P 2.08	0.06	1.9 - 2.3	P 2.06	0.05	24	
Siemens BCP & Siemens Dimension ser	16	1.6 - 2.0	P 1.78	0.05	1.6 - 1.9	P 1.73	0.06	2.8 - 3.4	P 3.06	0.06	1.9 - 2.3	P 2.10	0.04	1.9 - 2.3	P 2.06	0.06	48	
Siemens BCP & Siemens Dimension Xpand	17	1.6 - 1.9	P 1.77	0.05	1.6 - 1.9	P 1.74	0.05	2.8 - 3.4	P 3.06	0.07	1.9 - 2.3	P 2.09	0.05	1.9 - 2.3	P 2.07	0.06	91	
Initial Grouping by Reagent																		

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		
FS	10	23.0 - 34.0	P	28.2	1.2	17.0 - 26.0	P	21.5	1.3	26.0 - 39.0	P	32.1	1.0	20.0 - 31.0	P	25.6	1.2	15.0 - 23.0	C	19.3	1.2	19
Beckman Olympus UV/bic & Beckm Olym AU 400/600/5400	11	24.0 - 35.0	P	29.4	2.2	17.0 - 26.0	P	21.7	2.1	27.0 - 40.0	P	33.3	2.6	21.0 - 31.0	P	26.2	2.2	15.0 - 23.0	C	18.9	2.2	56
Roche/Hitachi/Integra liq & Roche Cobas Integra	12	23.0 - 34.0	P	28.6	1.7	17.0 - 25.0	P	20.9	1.3	26.0 - 39.0	P	32.3	1.4	20.0 - 30.0	P	25.4	1.4	14.0 - 22.0	C	18.0	1.5	17
SDI Biomed & SDI CA-240, 480	13	22.0 - 33.0	P	27.5	1.8	17.0 - 25.0	P	20.7	1.4	25.0 - 37.0	P	30.7	2.0	20.0 - 29.0	P	24.4	1.7	14.0 - 22.0	C	17.7	1.6	18
Siemens ECO2 & Siemens Dimension Rxl	14	25.0 - 37.0	P	31.0	1.6	18.0 - 28.0	P	23.0	1.3	28.0 - 42.0	P	34.8	1.6	22.0 - 33.0	P	27.8	1.6	16.0 - 24.0	C	19.6	2.0	20
Siemens ECO2 & Siemens Dimension EXL	15	25.0 - 37.0	P	30.9	1.0	18.0 - 27.0	P	22.7	1.0	28.0 - 42.0	P	35.3	1.1	22.0 - 33.0	P	27.8	1.1	16.0 - 24.0	C	20.0	1.2	25
Siemens ECO2 & Siemens Dimension ser	16	24.0 - 36.0	P	30.4	2.1	18.0 - 27.0	P	22.2	1.9	27.0 - 41.0	P	33.8	2.9	22.0 - 32.0	P	27.0	2.3	15.0 - 23.0	C	19.4	1.8	38
Siemens ECO2 & Siemens Dimension Xpand	17	25.0 - 37.0	P	30.7	1.6	18.0 - 27.0	P	22.6	1.4	27.0 - 41.0	P	34.3	1.8	22.0 - 33.0	P	27.2	1.5	15.0 - 23.0	C	19.4	1.6	84
Siemens tCO2 & Siemens Dimension ser	18	24.0 - 36.0	P	30.2	0.9	18.0 - 27.0	P	22.2	1.0	27.0 - 41.0	P	33.8	0.4	22.0 - 33.0	P	27.2	1.5	15.0 - 23.0	C	19.3	1.3	10
Initial Grouping by Reagent																						
Carolina, liquid	19	24.0 - 36.0	P	29.7	2.5	18.0 - 28.0	P	23.0	1.9	26.0 - 39.0	P	32.6	3.0	21.0 - 32.0	P	26.9	2.4	16.0 - 24.0	P	20.3	1.9	32
Abbott Architect	20	21.0 - 32.0	P	26.5	1.5	15.0 - 23.0	C	18.6	0.8	24.0 - 37.0	P	30.4	1.4	19.0 - 28.0	P	23.2	1.2	12.0 - 20.0	C	16.3	1.1	21
Alfa Wassermann UV/bic	21	23.0 - 35.0	P	29.4	2.7	17.0 - 25.0	P	21.2	2.1	26.0 - 39.0	P	32.9	2.9	21.0 - 31.0	P	26.2	2.5	15.0 - 23.0	C	18.7	2.1	55
Beckman dil ISE	22	23.0 - 35.0	P	28.8	1.5	17.0 - 26.0	P	21.6	0.9	26.0 - 39.0	P	32.5	1.6	21.0 - 31.0	P	26.1	1.2	15.0 - 23.0	C	19.0	1.5	81
Clin Data ATAC 8000 dil ISE	23	23.0 - 34.0	P	28.4	2.2	17.0 - 25.0	P	20.6	1.6	25.0 - 38.0	P	31.6	2.9	20.0 - 31.0	P	25.5	1.9	15.0 - 23.0	C	18.9	1.4	11
Clinical Data Envoy ISE	24	21.0 - 32.0	P	26.8	2.3	14.0 - 22.0	C	18.2	2.3	24.0 - 36.0	P	30.2	3.8	18.0 - 27.0	P	22.2	2.1	12.0 - 20.0	C	16.0	2.1	13
DCL/Genzyme/Equal UV/unc	25	22.0 - 33.0	P	27.5	3.4	16.0 - 24.0	C	19.8	2.4	25.0 - 37.0	P	31.0	3.2	19.0 - 29.0	P	24.3	3.1	13.0 - 21.0	C	17.3	2.5	19
Horiba ABX	26	24.0 - 36.0	P	29.6	1.7	18.0 - 27.0	P	22.2	1.3	26.0 - 39.0	P	32.7	1.6	21.0 - 32.0	P	26.6	1.3	16.0 - 24.0	C	19.6	1.0	10
J&J Vitros ISE	27	21.0 - 32.0	P	26.8	2.2	17.0 - 26.0	P	21.3	0.9	24.0 - 37.0	P	30.5	2.6	20.0 - 29.0	P	24.4	2.0	14.0 - 22.0	C	17.8	1.0	10
J&J Vitros UV/unc	28	23.0 - 34.0	P	28.2	1.1	17.0 - 26.0	P	21.4	1.3	25.0 - 38.0	P	31.7	1.3	20.0 - 30.0	P	25.2	1.2	15.0 - 23.0	C	18.5	1.3	91
Beckman Olympus UV/bic	29	24.0 - 35.0	P	29.5	2.2	17.0 - 26.0	P	21.7	2.1	27.0 - 40.0	P	33.3	2.8	21.0 - 31.0	P	26.1	2.3	15.0 - 23.0	C	18.9	2.2	63
Pointe Sci UV/unc	30	23.0 - 35.0	P	29.4	3.9	17.0 - 26.0	P	21.5	3.2	25.0 - 38.0	P	31.6	4.7	23.0 - 34.0	P	28.6	3.8	16.0 - 24.0	C	19.6	1.7	12
Roche Cobas UV/rate	31	23.0 - 35.0	P	29.0	1.9	17.0 - 25.0	P	20.7	1.6	26.0 - 38.0	P	31.9	2.3	20.0 - 30.0	P	24.9	2.1	13.0 - 21.0	C	17.0	2.1	27
Roche/Hitachi/Integra liq	32	23.0 - 34.0	P	28.5	1.9	17.0 - 25.0	P	20.7	1.4	26.0 - 39.0	P	32.1	1.9	20.0 - 30.0	P	25.2	1.7	14.0 - 22.0	C	17.7	1.5	31
SDI Biomed	33	22.0 - 33.0	P	27.5	1.8	17.0 - 25.0	P	20.7	1.4	25.0 - 37.0	P	30.7	2.0	20.0 - 29.0	P	24.4	1.7	14.0 - 22.0	C	17.7	1.6	18
Siemens ECO2	34	25.0 - 37.0	P	30.7	1.7	18.0 - 27.0	P	22.6	1.5	28.0 - 41.0	P	34.4	2.1	22.0 - 33.0	P	27.4	1.7	16.0 - 24.0	C	19.5	1.7	172
Siemens tCO2	35	24.0 - 36.0	P	30.1	0.9	17.0 - 26.0	P	21.7	1.9	27.0 - 41.0	P	34.0	0.7	21.0 - 32.0	P	26.5	2.2	15.0 - 23.0	C	19.2	1.3	18
Initial Grouping by Sensitivity or Principle																						
UV/bichromatic methods	36	24.0 - 35.0	P	29.4	2.4	17.0 - 26.0	P	21.5	2.1	26.0 - 40.0	P	33.1	2.7	21.0 - 31.0	P	26.2	2.3	15.0 - 23.0	C	18.8	2.1	128
UV/kinetic (rate) methods	37	23.0 - 34.0	P	28.7	2.2	17.0 - 25.0	P	20.8	1.6	25.0 - 38.0	P	31.6	2.5	20.0 - 30.0	P	25.0	1.9	13.0 - 21.0	C	17.4	1.9	64
UV/uncorrected methods	38	23.0 - 35.0	P	28.8	2.5	17.0 - 26.0	P	21.5	2.1	27.0 - 40.0	P	33.4	18.3	21.0 - 31.0	P	25.8	2.4	15.0 - 23.0	C	18.7	2.0	211
Diluted ISE results	39	23.0 - 34.0	P	28.4	1.9	17.0 - 25.0	P	20.8	1.9	26.0 - 38.0	P	32.1	2.2	20.0 - 30.0	P	25.3	2.1	14.0 - 22.0	C	18.3	1.9	144
Undiluted ISE results	40	21.0 - 32.0	P	26.8	2.1	17.0 - 26.0	P	21.6	1.4	25.0 - 37.0	P	30.8	2.8	20.0 - 30.0	P	24.8	2.4	14.0 - 22.0	C	18.3	1.6	12
All other methods	41	25.0 - 37.0	P	30.7	1.7	18.0 - 27.0	P	22.6	1.5	28.0 - 41.0	P	34.4	2.1	22.0 - 33.0	P	27.4	1.7	16.0 - 24.0	C	19.5	1.7	172

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	42	23.0 - 35.0	P	29.2	2.3	17.0 - 26.0	P	21.6	1.9	26.0 - 39.0	P	32.7	2.6	21.0 - 31.0	P	26.0	2.2	15.0 - 23.0	C	18.7	2.0	746
Bilirubin, Total																						
Initial Grouping by Reagent and Instrument																						
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	3.0 - 4.5	P	3.72	0.22	2.1 - 3.2	P	2.64	0.19	1.9 - 2.9	P	2.40	0.19	2.3 - 3.4	P	2.86	0.21	1.4 - 2.2	C	1.80	0.17	25
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	3.7 - 5.6	P	4.63	0.31	2.6 - 4.0	P	3.29	0.19	2.5 - 3.7	P	3.09	0.21	2.8 - 4.3	P	3.55	0.29	1.8 - 2.7	P	2.23	0.18	62
Beckman & Beckman Unicel DXC series	3	3.5 - 5.2	P	4.32	0.27	2.5 - 3.8	P	3.13	0.23	2.5 - 3.7	P	3.10	0.22	2.7 - 4.1	P	3.43	0.23	1.8 - 2.7	P	2.25	0.16	61
Carolina & Beckman Synchron CX3/7/9/L	4	3.2 - 4.8	P	3.98	0.22	2.4 - 3.5	P	2.94	0.26	2.3 - 3.4	P	2.84	0.19	2.6 - 3.9	P	3.24	0.26	1.7 - 2.5	P	2.09	0.11	15
Clinical Data & Vital Diag CI Data ATAC8000	5	3.4 - 5.1	P	4.21	0.22	2.4 - 3.6	P	2.98	0.16	2.3 - 3.5	P	2.91	0.16	2.6 - 3.9	P	3.27	0.27	1.6 - 2.4	P	2.04	0.17	12
Clinical Data Envoy & Vital Diagnostics Envoy	6	3.0 - 4.6	P	3.79	0.30	2.1 - 3.2	P	2.63	0.22	1.9 - 2.9	P	2.42	0.19	2.3 - 3.5	P	2.88	0.24	1.3 - 2.1	C	1.73	0.12	12
Horiba ABX & Horiba ABX Pentra 400	7	3.5 - 5.3	P	4.38	0.30	2.5 - 3.7	P	3.07	0.23	2.2 - 3.4	P	2.81	0.16	2.7 - 4.0	P	3.34	0.17	1.6 - 2.5	P	2.05	0.11	11
J&J Vitros not neonatal & J&J Vitros not DT or ECI	8	3.2 - 4.8	P	4.04	0.25	2.2 - 3.3	P	2.78	0.19	2.1 - 3.2	P	2.67	0.22	2.4 - 3.7	P	3.05	0.20	1.5 - 2.3	C	1.88	0.14	66
J&J Vitros not neonatal & J&J Vitros 5,1 FS	9	3.3 - 4.9	P	4.08	0.23	2.2 - 3.4	P	2.80	0.15	2.1 - 3.2	P	2.64	0.23	2.5 - 3.7	P	3.08	0.15	1.5 - 2.3	C	1.86	0.14	20
Beckman Olympus & Beckm Olym AU 400/600/5400	10	3.6 - 5.4	P	4.47	0.15	2.6 - 3.9	P	3.23	0.12	2.4 - 3.5	P	2.94	0.12	2.8 - 4.2	P	3.48	0.13	1.8 - 2.7	P	2.27	0.10	55
Roche Cobas BILTS & Roche Cobas 6000	11	2.9 - 4.4	P	3.63	0.24	2.0 - 3.1	P	2.56	0.16	1.9 - 2.8	P	2.33	0.16	2.2 - 3.3	P	2.76	0.16	1.3 - 2.1	C	1.66	0.08	10
Roche Cobas BILTS & Roche Cobas Integra	12	2.9 - 4.4	P	3.64	0.25	2.0 - 3.0	P	2.52	0.16	1.8 - 2.7	P	2.26	0.17	2.2 - 3.3	P	2.76	0.17	1.3 - 2.1	C	1.68	0.10	20
SDI Biomed & SDI CA-240, 480	13	4.7 - 7.1	P	5.91	0.39	3.2 - 4.8	P	4.03	0.23	2.8 - 4.2	P	3.54	0.25	3.5 - 5.2	P	4.34	0.26	2.1 - 3.2	P	2.68	0.18	18
Siemens Dimension TBI & Siemens Dimension Rxl	14	3.2 - 4.8	P	3.97	0.26	2.2 - 3.3	P	2.78	0.18	2.1 - 3.1	P	2.61	0.22	2.4 - 3.6	P	3.04	0.22	1.5 - 2.3	C	1.88	0.16	21
Siemens Dimension TBI & Siemens Dimension EXL	15	3.1 - 4.7	P	3.92	0.24	2.2 - 3.3	P	2.75	0.16	2.1 - 3.1	P	2.61	0.18	2.4 - 3.7	P	3.05	0.18	1.5 - 2.3	C	1.88	0.13	25
Siemens Dimension TBI & Siemens Dimension ser	16	3.2 - 4.7	P	3.94	0.22	2.2 - 3.3	P	2.76	0.16	2.1 - 3.2	P	2.64	0.16	2.4 - 3.7	P	3.05	0.18	1.5 - 2.3	C	1.87	0.12	48
Siemens Dimension TBI & Siemens Dimension Xpand	17	3.1 - 4.7	P	3.92	0.26	2.2 - 3.3	P	2.75	0.19	2.1 - 3.1	P	2.61	0.20	2.4 - 3.7	P	3.04	0.19	1.5 - 2.3	C	1.86	0.15	90
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	18	3.0 - 4.5	P	3.72	0.22	2.1 - 3.2	P	2.64	0.19	1.9 - 2.9	P	2.40	0.19	2.3 - 3.4	P	2.86	0.21	1.4 - 2.2	C	1.80	0.17	25
Alfa Wassermann	19	3.7 - 5.6	P	4.63	0.31	2.6 - 4.0	P	3.29	0.19	2.5 - 3.7	P	3.09	0.21	2.8 - 4.3	P	3.55	0.29	1.8 - 2.7	P	2.23	0.18	62
Beckman	20	3.4 - 5.2	P	4.30	0.26	2.5 - 3.7	P	3.11	0.24	2.5 - 3.7	P	3.10	0.21	2.7 - 4.1	P	3.43	0.23	1.8 - 2.7	P	2.25	0.16	82
Carolina	21	3.2 - 4.8	P	4.04	0.24	2.4 - 3.5	P	2.94	0.22	2.3 - 3.4	P	2.83	0.20	2.6 - 3.9	P	3.21	0.23	1.7 - 2.5	P	2.07	0.14	30
Clinical Data	22	3.4 - 5.1	P	4.21	0.22	2.4 - 3.6	P	2.98	0.16	2.3 - 3.5	P	2.91	0.16	2.6 - 3.9	P	3.27	0.27	1.6 - 2.4	P	2.04	0.17	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	SD		
Beckm Olym AU 400/600/5400	11	7.8 - 9.8	C	8.76	0.15	10.3 - 12.3	C	11.30	0.19	6.4 - 8.4	C	7.43	0.13	8.7 - 10.7	C	9.72	0.18	11.3 - 13.3	C	12.27	0.28	39
Roche Cobas OCPC & Roche Cobas 6000	12	7.9 - 9.9	C	8.89	0.25	10.9 - 12.9	C	11.95	0.27	6.2 - 8.2	C	7.22	0.19	9.0 - 11.0	C	9.98	0.32	12.0 - 14.0	C	13.00	0.26	11
Roche Cobas OCPC & Roche Cobas Integra	13	7.9 - 9.9	C	8.88	0.22	10.9 - 12.9	C	11.91	0.30	6.1 - 8.1	C	7.10	0.18	8.9 - 10.9	C	9.90	0.24	11.9 - 13.9	C	12.92	0.32	22
SDI Biomed & SDI CA-240, 480	14	7.7 - 9.7	C	8.72	0.33	10.5 - 12.5	C	11.47	0.49	6.4 - 8.4	C	7.43	0.29	8.8 - 10.8	C	9.76	0.38	11.6 - 13.6	C	12.55	0.54	18
Siemens arsenazo & Siemens Advia series	15	7.9 - 9.9	C	8.89	0.24	10.5 - 12.5	C	11.52	0.36	6.7 - 8.7	C	7.72	0.19	8.9 - 10.9	C	9.92	0.17	11.4 - 13.4	C	12.38	0.26	10
Siemens OCPC & Siemens Dimension Rxl	16	7.8 - 9.8	C	8.79	0.17	10.5 - 12.5	C	11.46	0.18	6.3 - 8.3	C	7.34	0.19	8.8 - 10.8	C	9.80	0.24	11.5 - 13.5	C	12.46	0.16	22
Siemens OCPC & Siemens Dimension EXL	17	7.7 - 9.7	C	8.68	0.23	10.4 - 12.4	C	11.39	0.26	6.2 - 8.2	C	7.23	0.14	8.7 - 10.7	C	9.66	0.16	11.3 - 13.3	C	12.34	0.25	24
Siemens OCPC & Siemens Dimension ser	18	7.7 - 9.7	C	8.68	0.22	10.4 - 12.4	C	11.41	0.28	6.2 - 8.2	C	7.24	0.18	8.7 - 10.7	C	9.69	0.24	11.4 - 13.4	C	12.41	0.27	48
Siemens OCPC & Siemens Dimension Xpand	19	7.7 - 9.7	C	8.70	0.19	10.4 - 12.4	C	11.39	0.24	6.2 - 8.2	C	7.23	0.15	8.7 - 10.7	C	9.69	0.20	11.4 - 13.4	C	12.40	0.28	89
Initial Grouping by Reagent																						
Abbott Arsenazo III	20	7.7 - 9.7	C	8.68	0.26	10.5 - 12.5	C	11.50	0.20	6.5 - 8.5	C	7.47	0.15	8.7 - 10.7	C	9.74	0.24	11.5 - 13.5	C	12.50	0.30	24
Alfa Wassermann Arsenazo	21	7.5 - 9.5	C	8.53	0.31	10.2 - 12.2	C	11.24	0.37	6.4 - 8.4	C	7.40	0.25	8.7 - 10.7	C	9.70	0.32	11.2 - 13.2	C	12.24	0.43	61
Beckman Arsenazo	22	7.8 - 9.8	C	8.82	0.19	10.4 - 12.4	C	11.39	0.25	6.5 - 8.5	C	7.47	0.17	8.8 - 10.8	C	9.83	0.25	11.4 - 13.4	C	12.37	0.42	25
Beckman ISE	23	7.8 - 9.8	C	8.77	0.13	10.4 - 12.4	C	11.36	0.15	6.4 - 8.4	C	7.36	0.10	8.7 - 10.7	C	9.75	0.14	11.3 - 13.3	C	12.33	0.20	62
Carolina Arsenazo III	24	7.9 - 9.9	C	8.88	0.37	10.6 - 12.6	C	11.56	0.45	6.7 - 8.7	C	7.66	0.40	8.9 - 10.9	C	9.90	0.41	11.5 - 13.5	C	12.49	0.47	28
Clinical Data Envoy	25	7.8 - 9.8	C	8.78	0.15	10.3 - 12.3	C	11.29	0.20	6.4 - 8.4	C	7.39	0.20	8.7 - 10.7	C	9.66	0.17	11.3 - 13.3	C	12.32	0.28	14
DCL/Genzyme #140 Arsen III	26	8.0 - 10.0	C	9.04	0.41	10.5 - 12.5	C	11.51	0.58	6.8 - 8.8	C	7.76	0.40	9.0 - 11.0	C	9.98	0.51	11.4 - 13.4	C	12.36	0.44	22
Horiba ABX	27	7.9 - 9.9	C	8.92	0.23	11.4 - 13.4	C	12.44	0.27	6.1 - 8.1	C	7.06	0.20	9.2 - 11.2	C	10.18	0.25	12.9 - 14.9	C	13.86	0.37	11
J&J Vitros Arsenazo	28	7.5 - 9.5	C	8.53	0.19	10.5 - 12.5	C	11.48	0.24	5.9 - 7.9	C	6.95	0.18	8.7 - 10.7	C	9.66	0.21	11.5 - 13.5	C	12.51	0.26	101
Beckman Olympus OCPC-based	29	7.8 - 9.8	C	8.75	0.22	10.3 - 12.3	C	11.32	0.33	6.4 - 8.4	C	7.38	0.23	8.7 - 10.7	C	9.68	0.25	11.3 - 13.3	C	12.32	0.34	17
Beckman Olympus Arsenazo	30	7.8 - 9.8	C	8.76	0.14	10.3 - 12.3	C	11.30	0.18	6.4 - 8.4	C	7.44	0.13	8.7 - 10.7	C	9.72	0.18	11.3 - 13.3	C	12.27	0.27	44
Pointe Sci OCPC	31	7.9 - 9.9	C	8.89	0.38	10.7 - 12.7	C	11.69	0.48	6.4 - 8.4	C	7.45	0.51	8.8 - 10.8	C	9.81	0.58	11.6 - 13.6	C	12.60	0.84	13
Roche Cobas OCPC	32	7.9 - 9.9	C	8.88	0.23	10.9 - 12.9	C	11.89	0.32	6.2 - 8.2	C	7.16	0.20	8.9 - 10.9	C	9.92	0.28	11.9 - 13.9	C	12.92	0.34	50
Roche/Hitachi OCPC	33	7.9 - 10.0	C	8.95	0.22	11.0 - 13.0	C	11.97	0.22	6.4 - 8.4	C	7.36	0.23	9.0 - 11.0	C	9.96	0.26	11.9 - 13.9	C	12.90	0.43	10
SDI Biomed	34	7.7 - 9.7	C	8.72	0.33	10.5 - 12.5	C	11.47	0.49	6.4 - 8.4	C	7.43	0.29	8.8 - 10.8	C	9.76	0.38	11.6 - 13.6	C	12.55	0.54	18
Siemens arsenazo	35	7.8 - 9.8	C	8.85	0.22	10.4 - 12.4	C	11.42	0.21	6.6 - 8.6	C	7.61	0.27	8.9 - 10.9	C	9.86	0.19	11.4 - 13.4	C	12.39	0.24	13
Siemens OCPC	36	7.7 - 9.7	C	8.70	0.20	10.4 - 12.4	C	11.40	0.25	6.3 - 8.3	C	7.26	0.17	8.7 - 10.7	C	9.70	0.21	11.4 - 13.4	C	12.40	0.26	189
Initial Grouping by Sensitivity or Principle																						
Arsenazo-based	37	7.7 - 9.7	C	8.70	0.32	10.4 - 12.4	C	11.45	0.40	6.3 - 8.3	C	7.34	0.36	8.8 - 10.8	C	9.77	0.32	11.5 - 13.5	C	12.45	0.47	404
OCPC (o-cresolphth complex)	38	7.8 - 9.8	C	8.75	0.23	10.5 - 12.5	C	11.50	0.34	6.3 - 8.3	C	7.25	0.23	8.7 - 10.7	C	9.75	0.27	11.5 - 13.5	C	12.50	0.40	300
Other, electrochemical	39	8.9 - 10.9	C	9.85	9.15	10.4 - 12.4	C	11.40	0.20	7.3 - 9.3	C	8.27	7.64	10.0 - 12.0	C	10.95	10.16	11.4 - 13.4	C	12.36	0.26	70
Total Population																						
Whole Population	40	7.7 - 9.7	C	8.73	0.28	10.5 - 12.5	C	11.47	0.37	6.3 - 8.3	C	7.31	0.30	8.8 - 10.8	C	9.76	0.30	11.5 - 13.5	C	12.47	0.44	786

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	104.0 - 115.0	P 109.1	1.1	91.0 - 101.0	P 95.9	0.9	109.0 - 121.0	P 114.9	1.0	99.0 - 109.0	P 103.9	1.0	86.0 - 96.0	P 91.0	1.0	18
Alfa Wassermann und ISE & Alfa Wasser ACE/Centr/Alera	2	105.0 - 116.0	P 110.4	1.5	90.0 - 100.0	P 94.9	1.3	113.0 - 125.0	P 118.6	1.6	100.0 - 110.0	P 105.0	1.7	85.0 - 94.0	P 89.8	2.3	56
Beckman dil ISE & Beckman Unicel DXC series	3	103.0 - 114.0	P 108.6	1.4	91.0 - 101.0	P 96.2	1.3	109.0 - 120.0	P 114.6	1.7	99.0 - 109.0	P 103.9	1.4	86.0 - 96.0	P 91.0	1.3	61
Beckman dil ISE & Beckman Synchron CX3/7/9/L	4	105.0 - 116.0	P 110.2	1.5	93.0 - 103.0	P 97.7	1.7	110.0 - 121.0	P 115.5	1.6	101.0 - 112.0	P 106.3	2.0	88.0 - 97.0	P 92.7	1.8	11
Carolina dil ISE & Beckman Synchron CX3/7/9/L	5	104.0 - 115.0	P 109.4	2.4	93.0 - 102.0	P 97.5	2.0	109.0 - 121.0	P 114.9	2.6	100.0 - 111.0	P 105.4	2.7	88.0 - 97.0	P 92.3	1.6	19
Clin Data ATAC 8000 dil ISE & Vital Diag CI Data ATAC8000	6	105.0 - 116.0	P 110.1	2.6	91.0 - 100.0	P 95.4	2.5	112.0 - 124.0	P 118.2	3.2	100.0 - 111.0	P 105.4	3.4	86.0 - 96.0	P 91.0	2.8	12
Clinical Data Envoy & Vital Diagnostics Envoy	7	105.0 - 116.0	P 110.5	1.6	93.0 - 103.0	P 97.7	2.3	115.0 - 127.0	P 121.1	2.6	100.0 - 111.0	P 105.6	1.6	88.0 - 97.0	P 92.2	1.3	12
Horiba ABX ISE & Horiba ABX Pentra 400	8	102.0 - 113.0	P 107.8	1.5	89.0 - 99.0	P 94.2	1.2	112.0 - 124.0	P 118.4	4.6	99.0 - 109.0	P 103.8	2.0	85.0 - 94.0	P 89.8	1.3	11
J&J Vitros und ISE & J&J Vitros not DT or ECi	9	102.0 - 113.0	P 107.7	1.6	90.0 - 100.0	P 94.9	1.4	109.0 - 120.0	P 114.5	1.7	98.0 - 108.0	P 103.2	1.4	86.0 - 95.0	P 90.1	1.3	70
J&J Vitros und ISE & J&J Vitros 5,1 FS	10	103.0 - 114.0	P 108.2	1.5	90.0 - 100.0	P 95.1	1.4	109.0 - 121.0	P 114.8	1.7	98.0 - 109.0	P 103.4	1.4	86.0 - 95.0	P 90.3	1.4	20
Medica EasyLyte und ISE & Medica EasyLyte series	11	104.0 - 115.0	P 109.3	1.3	89.0 - 99.0	P 93.9	1.4	114.0 - 126.0	P 119.8	2.1	99.0 - 110.0	P 104.4	1.6	85.0 - 94.0	P 89.1	1.8	20
Beckman Olympus dil ISE & Beckm Olym AU 400/600/5400	12	103.0 - 114.0	P 108.9	1.4	90.0 - 100.0	P 95.1	0.8	109.0 - 120.0	P 114.6	1.1	98.0 - 109.0	P 103.5	1.0	85.0 - 94.0	P 89.8	1.1	62
Roche Cobas Integra dil ISE & Roche Cobas Integra	13	104.0 - 115.0	P 110.0	1.4	90.0 - 100.0	P 95.0	0.8	111.0 - 122.0	P 116.7	1.0	99.0 - 109.0	P 104.2	0.9	85.0 - 94.0	P 89.3	0.8	26
SDI Biomed & SDI CA-240, 480	14	102.0 - 112.0	P 107.1	2.0	90.0 - 100.0	P 95.0	2.4	109.0 - 120.0	P 114.3	1.5	98.0 - 108.0	P 102.9	1.3	87.0 - 96.0	P 91.8	2.5	16
Siemens dil ISE & Siemens Advia series	15	105.0 - 116.0	P 110.8	0.9	91.0 - 101.0	P 96.0	1.0	111.0 - 123.0	P 117.3	1.8	100.0 - 110.0	P 105.0	1.3	86.0 - 95.0	P 90.8	1.6	13
Siemens QuickLYTE IMT & Siemens Dimension Rxl	16	106.0 - 117.0	P 111.5	2.0	90.0 - 99.0	P 94.7	2.1	114.0 - 126.0	P 119.9	2.4	100.0 - 110.0	P 105.2	2.1	83.0 - 92.0	P 87.8	1.7	24
Siemens QuickLYTE IMT & Siemens Dimension EXL	17	105.0 - 116.0	P 110.9	1.5	90.0 - 99.0	P 94.7	1.1	112.0 - 124.0	P 118.3	1.9	99.0 - 110.0	P 104.5	1.5	84.0 - 93.0	P 88.7	1.0	25
Siemens QuickLYTE IMT & Siemens Dimension ser	18	106.0 - 117.0	P 111.8	2.0	90.0 - 100.0	P 95.2	1.5	113.0 - 125.0	P 119.3	2.6	100.0 - 111.0	P 105.3	1.9	84.0 - 93.0	P 88.7	1.2	46
Siemens QuickLYTE IMT & Siemens Dimension Xpand	19	106.0 - 117.0	P 111.7	1.6	91.0 - 100.0	P 95.4	1.0	113.0 - 125.0	P 119.2	2.0	100.0 - 110.0	P 105.2	1.4	84.0 - 93.0	P 88.8	0.8	93
Initial Grouping by Reagent																	
Abbott ICT	20	104.0 - 115.0	P 109.1	1.1	91.0 - 101.0	P 95.9	0.9	109.0 - 121.0	P 114.9	1.0	99.0 - 109.0	P 103.9	1.0	86.0 - 96.0	P 91.0	1.0	18
Alfa Wassermann und ISE	21	105.0 - 116.0	P 110.4	1.5	90.0 - 100.0	P 94.9	1.3	113.0 - 125.0	P 118.6	1.6	100.0 - 110.0	P 105.0	1.7	85.0 - 94.0	P 89.8	2.3	57

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 dil ISE	22	104.0 - 114.0	P 109.0	1.6	92.0 - 101.0	P 96.5	1.4	109.0 - 120.0	P 114.7	1.6	99.0 - 110.0	P 104.4	1.7	87.0 - 96.0	P 91.3	1.5	85	
Carolina dil ISE	23	103.0 - 114.0	P 108.9	2.8	92.0 - 101.0	P 96.4	3.6	109.0 - 120.0	P 114.6	3.3	99.0 - 110.0	P 104.5	3.7	87.0 - 96.0	P 91.2	3.2	30	
Clin Data ATAC 8000 dil ISE	24	105.0 - 116.0	P 110.1	2.6	91.0 - 100.0	P 95.4	2.5	112.0 - 124.0	P 118.2	3.2	100.0 - 111.0	P 105.4	3.4	86.0 - 96.0	P 91.0	2.8	12	
Clinical Data Envoy	25	105.0 - 116.0	P 110.4	1.9	93.0 - 102.0	P 97.4	2.3	115.0 - 127.0	P 121.1	2.4	100.0 - 111.0	P 105.8	1.6	88.0 - 97.0	P 92.3	1.3	14	
Horiba ABX ISE	26	102.0 - 113.0	P 107.8	1.5	89.0 - 99.0	P 94.2	1.2	112.0 - 124.0	P 118.4	4.6	99.0 - 109.0	P 103.8	2.0	85.0 - 94.0	P 89.8	1.3	11	
J&J Vitros und ISE	27	102.0 - 113.0	P 107.9	1.6	90.0 - 100.0	P 95.0	1.4	109.0 - 120.0	P 114.7	1.7	98.0 - 108.0	P 103.3	1.4	86.0 - 95.0	P 90.3	1.3	102	
Medica EasyLyte und ISE	28	104.0 - 115.0	P 109.3	1.7	90.0 - 99.0	P 94.3	1.7	114.0 - 126.0	P 119.7	2.5	99.0 - 110.0	P 104.5	1.8	85.0 - 94.0	P 89.5	2.1	24	
Beckman Olympus dil ISE	29	103.0 - 114.0	P 108.9	1.3	90.0 - 100.0	P 95.1	0.8	109.0 - 120.0	P 114.6	1.2	98.0 - 109.0	P 103.5	1.0	85.0 - 94.0	P 89.8	1.1	70	
Roche Cobas Integra dil ISE	30	104.0 - 115.0	P 109.6	1.6	90.0 - 99.0	P 94.7	1.2	110.0 - 122.0	P 116.3	1.2	99.0 - 109.0	P 103.7	1.3	84.0 - 93.0	P 88.9	1.5	36	
Roche Cobas und ISE	31	103.0 - 114.0	P 108.5	3.1	90.0 - 99.0	P 94.4	3.6	110.0 - 121.0	P 115.5	2.1	99.0 - 109.0	P 103.8	3.2	85.0 - 94.0	P 89.6	3.6	20	
Roche/Hitachi dil ISE	32	103.0 - 114.0	P 108.4	1.2	89.0 - 98.0	P 93.3	1.6	109.0 - 120.0	P 114.4	1.2	97.0 - 108.0	P 102.6	1.3	83.0 - 92.0	P 87.3	1.8	15	
SDI Biomed	33	102.0 - 112.0	P 107.1	2.0	90.0 - 100.0	P 95.0	2.4	109.0 - 120.0	P 114.3	1.5	98.0 - 108.0	P 102.9	1.3	87.0 - 96.0	P 91.8	2.5	16	
Siemens dil ISE	34	105.0 - 116.0	P 110.8	0.9	91.0 - 101.0	P 96.0	1.0	111.0 - 123.0	P 117.3	1.8	100.0 - 110.0	P 105.0	1.3	86.0 - 95.0	P 90.8	1.6	13	
Siemens QuickLYTE IMT	35	106.0 - 117.0	P 111.6	1.7	90.0 - 100.0	P 95.2	1.3	113.0 - 125.0	P 119.2	2.2	100.0 - 110.0	P 105.1	1.6	84.0 - 93.0	P 88.6	1.2	188	
Initial Grouping by Sensitivity or Principle																		
Colorimetric	36	103.0 - 113.0	P 108.1	3.0	92.0 - 101.0	P 96.4	3.6	110.0 - 121.0	P 115.7	8.7	99.0 - 109.0	P 103.8	2.6	88.0 - 97.0	P 92.3	3.6	29	
Diluted ISE	37	104.0 - 115.0	P 110.0	2.3	91.0 - 100.0	P 95.5	2.0	111.0 - 123.0	P 116.8	3.1	99.0 - 110.0	P 104.5	2.1	85.0 - 94.0	P 89.8	2.0	508	
Undiluted ISE	38	103.0 - 114.0	P 108.9	2.4	90.0 - 100.0	P 95.0	2.1	111.0 - 123.0	P 116.8	3.7	99.0 - 109.0	P 104.1	2.4	86.0 - 95.0	P 90.2	2.4	236	
Total Population																		
Whole Population	39	104.0 - 115.0	P 109.6	2.5	91.0 - 100.0	P 95.4	2.2	111.0 - 122.0	P 116.7	3.3	99.0 - 110.0	P 104.4	2.2	86.0 - 95.0	P 90.0	2.3	782	

Cholesterol, Total

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	129.0 - 158.0	P 143.4	1.5	139.0 - 170.0	P 154.2	1.6	192.0 - 234.0	P 213.2	1.8	150.0 - 183.0	P 166.8	1.8	159.0 - 195.0	P 177.2	1.3	25
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	129.0 - 157.0	P 143.1	4.3	138.0 - 169.0	P 153.8	4.9	189.0 - 231.0	P 210.0	6.0	149.0 - 182.0	P 165.2	6.1	159.0 - 194.0	P 176.1	5.2	54

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 & Beckman Unicel DXC series	3	133.0 - 162.0	P 147.5	3.1	141.0 - 172.0	P 156.8	3.4	195.0 - 238.0	P 216.2	4.4	153.0 - 187.0	P 169.6	3.6	160.0 - 195.0	P 177.5	4.9	58
Carolina & Beckman Synchron CX37/9/L	4	122.0 - 150.0	P 136.1	6.5	133.0 - 162.0	P 147.6	6.3	187.0 - 229.0	P 208.2	9.5	146.0 - 178.0	P 161.9	7.0	156.0 - 191.0	P 173.2	6.7	15
Clinical Data & Vital Diag CI Data ATAC8000	5	133.0 - 162.0	P 147.4	7.2	139.0 - 170.0	P 154.1	7.0	192.0 - 234.0	P 213.0	3.9	151.0 - 185.0	P 167.9	5.6	158.0 - 194.0	P 176.1	7.6	11
Clinical Data Envoy & Vital Diagnostics Envoy	6	132.0 - 162.0	P 147.1	6.0	139.0 - 170.0	P 154.5	6.2	193.0 - 236.0	P 214.9	8.8	151.0 - 184.0	P 167.5	6.2	158.0 - 194.0	P 176.0	7.0	11
J&J Vitros & J&J Vitros not DT or ECI	7	130.0 - 159.0	P 144.7	4.0	138.0 - 169.0	P 153.5	4.7	195.0 - 239.0	P 216.9	6.1	150.0 - 184.0	P 167.2	4.7	159.0 - 194.0	P 176.7	5.1	57
J&J Vitros & J&J Vitros 5,1 FS	8	130.0 - 159.0	P 144.7	3.1	138.0 - 169.0	P 153.4	2.6	200.0 - 244.0	P 221.7	4.2	151.0 - 184.0	P 167.6	3.6	158.0 - 193.0	P 175.7	3.5	20
Beckman Olympus & Beckm Olym AU 400/600/5400	9	123.0 - 151.0	P 137.0	3.4	133.0 - 162.0	P 147.7	3.5	184.0 - 225.0	P 204.2	5.0	144.0 - 176.0	P 159.8	4.1	153.0 - 187.0	P 170.2	4.2	50
Pointe Sci & Pointe Sci 180/Sterl 2000	10	129.0 - 158.0	P 143.3	6.8	137.0 - 168.0	P 152.5	7.2	189.0 - 231.0	P 210.0	7.5	150.0 - 183.0	P 166.2	9.0	158.0 - 194.0	P 176.0	6.3	21
Roche Cobas & Roche Cobas 6000	11	132.0 - 161.0	P 146.7	2.7	142.0 - 174.0	P 158.1	2.0	194.0 - 237.0	P 215.6	4.2	153.0 - 187.0	P 170.0	3.4	161.0 - 196.0	P 178.6	2.8	10
Roche Cobas & Roche Cobas Integra	12	129.0 - 158.0	P 143.2	2.7	139.0 - 169.0	P 154.0	2.3	190.0 - 233.0	P 211.7	3.3	149.0 - 182.0	P 165.4	2.9	158.0 - 193.0	P 175.7	3.5	23
SDI Biomed & SDI CA-240, 480	13	138.0 - 168.0	P 153.0	5.8	147.0 - 180.0	P 163.6	5.9	207.0 - 253.0	P 230.3	5.9	162.0 - 198.0	P 180.1	8.1	174.0 - 213.0	P 193.4	6.2	16
Siemens - all other spectro & Siemens Dimension Rxl	14	125.0 - 153.0	P 139.3	3.8	136.0 - 167.0	P 151.6	3.9	189.0 - 231.0	P 210.3	4.5	147.0 - 180.0	P 163.9	3.7	157.0 - 192.0	P 174.6	4.2	23
Siemens - all other spectro & Siemens Dimension EXL	15	124.0 - 152.0	P 138.3	3.2	134.0 - 164.0	P 149.0	3.7	187.0 - 228.0	P 207.2	5.1	144.0 - 176.0	P 160.3	4.1	155.0 - 189.0	P 171.9	4.1	24
Siemens - all other spectro & Siemens Dimension ser	16	125.0 - 153.0	P 139.2	3.8	136.0 - 166.0	P 151.0	3.3	188.0 - 230.0	P 208.8	4.4	146.0 - 179.0	P 162.5	4.0	156.0 - 191.0	P 173.3	3.5	45
Siemens - all other spectro & Siemens Dimension Xpand	17	125.0 - 153.0	P 139.3	3.7	136.0 - 166.0	P 150.7	3.7	188.0 - 230.0	P 208.9	4.3	146.0 - 179.0	P 162.6	3.5	156.0 - 191.0	P 173.2	3.9	85
Siemens - all other spectro & Siemens Advia series	18	132.0 - 162.0	P 146.9	4.5	139.0 - 170.0	P 154.8	5.5	192.0 - 234.0	P 213.1	7.4	152.0 - 185.0	P 168.4	5.6	158.0 - 194.0	P 175.9	6.3	14
Sterling #2145 & Other spectrophotometers	19	126.0 - 154.0	P 140.1	2.6	131.0 - 160.0	P 145.4	3.6	182.0 - 222.0	P 201.9	3.1	145.0 - 177.0	P 160.8	3.1	151.0 - 184.0	P 167.5	3.4	15
Sterling #2145 & Pointe Sci 180/Sterl 2000	20	120.0 - 147.0	P 133.6	4.5	130.0 - 159.0	P 144.3	3.6	182.0 - 222.0	P 201.8	7.7	141.0 - 173.0	P 156.9	3.2	149.0 - 183.0	P 166.0	4.4	10
Initial Grouping by Reagent																	
Abbott	21	129.0 - 158.0	P 143.4	1.5	139.0 - 170.0	P 154.2	1.6	192.0 - 234.0	P 213.2	1.8	150.0 - 183.0	P 166.8	1.8	159.0 - 195.0	P 177.2	1.3	25
Alfa Wassermann	22	129.0 - 157.0	P 143.1	4.3	138.0 - 169.0	P 153.8	4.9	189.0 - 231.0	P 210.0	6.0	149.0 - 182.0	P 165.2	6.1	159.0 - 194.0	P 176.1	5.2	54
Beckman	23	133.0 - 162.0	P 147.5	3.4	141.0 - 172.0	P 156.8	3.7	195.0 - 238.0	P 216.4	4.9	153.0 - 187.0	P 169.6	3.9	160.0 - 196.0	P 177.8	5.2	78
Carolina	24	123.0 - 150.0	P 136.2	7.2	134.0 - 163.0	P 148.6	6.2	186.0 - 227.0	P 206.8	11.3	145.0 - 178.0	P 161.5	8.6	155.0 - 189.0	P 172.1	8.1	31
		133.0 -			139.0 -			192.0 -			151.0 -			158.0 -			

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						
Clinical Data	25	162.0	P	147.4	7.2	170.0	P	154.1	7.0	234.0	P	213.0	3.9	185.0	P	167.9	5.6	194.0	P	176.1	7.6	11
Clinical Data Envoy	26	132.0 - 161.0	P	146.5	6.0	138.0 - 169.0	P	153.6	6.3	193.0 - 236.0	P	214.2	8.8	151.0 - 184.0	P	167.2	5.8	157.0 - 193.0	P	175.0	7.5	13
DCL/Genzyme	27	131.0 - 160.0	P	145.0	7.7	140.0 - 171.0	P	155.2	7.8	194.0 - 237.0	P	215.0	10.8	152.0 - 185.0	P	168.6	7.6	160.0 - 196.0	P	178.1	9.2	21
J&J Vitros	28	130.0 - 159.0	P	144.8	3.8	138.0 - 169.0	P	153.7	4.4	197.0 - 240.0	P	218.4	5.9	151.0 - 184.0	P	167.6	4.5	159.0 - 194.0	P	176.6	4.8	89
Beckman Olympus	29	123.0 - 151.0	P	137.1	3.4	133.0 - 163.0	P	147.8	3.4	184.0 - 225.0	P	204.2	5.0	144.0 - 176.0	P	159.7	4.2	153.0 - 187.0	P	170.0	4.2	57
Pointe Sci	30	131.0 - 160.0	P	145.7	7.0	140.0 - 172.0	P	156.0	8.5	193.0 - 235.0	P	213.9	11.6	152.0 - 186.0	P	168.7	9.6	161.0 - 197.0	P	179.2	8.2	43
Roche Cobas	31	131.0 - 160.0	P	145.2	4.2	140.0 - 171.0	P	155.2	3.4	192.0 - 235.0	P	213.6	5.2	151.0 - 184.0	P	167.3	5.3	160.0 - 195.0	P	177.4	5.1	51
SDI Biomed	32	138.0 - 168.0	P	153.0	5.8	147.0 - 180.0	P	163.6	5.9	207.0 - 253.0	P	230.3	5.9	162.0 - 198.0	P	180.1	8.1	174.0 - 213.0	P	193.4	6.2	16
Siemens - all other spectro	33	126.0 - 154.0	P	139.7	4.2	136.0 - 166.0	P	151.0	4.0	188.0 - 230.0	P	209.2	4.9	147.0 - 179.0	P	162.9	4.2	156.0 - 191.0	P	173.4	4.2	192
Sterling #2145	34	123.0 - 151.0	P	137.0	5.2	131.0 - 160.0	P	145.1	3.5	182.0 - 222.0	P	201.7	5.2	143.0 - 175.0	P	159.3	3.6	150.0 - 183.0	P	166.6	4.2	26
Initial Grouping by Sensitivity or Principle																						
All enzymatic cholesterol	35	129.0 - 157.0	P	142.8	6.2	138.0 - 168.0	P	152.9	6.1	191.0 - 233.0	P	211.9	8.6	149.0 - 182.0	P	165.9	12.9	158.0 - 193.0	P	175.4	7.3	778
Total Population																						
Whole Population	36	129.0 - 157.0	P	142.8	6.2	138.0 - 168.0	P	152.9	6.1	191.0 - 233.0	P	211.9	8.6	149.0 - 182.0	P	165.4	7.0	158.0 - 193.0	P	175.3	7.3	783

Creatinine																						
Initial Grouping by Reagent and Instrument																						
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	5.0 - 6.7	P	5.84	0.16	3.3 - 4.5	P	3.89	0.09	2.4 - 3.3	P	2.83	0.08	3.5 - 4.7	P	4.09	0.12	1.9 - 2.5	P	2.18	0.08	22
Alfa Wassermann nonenz rate & Alfa Wasser ACE/Centr/Alera	2	4.5 - 6.0	P	5.25	0.25	3.1 - 4.1	P	3.60	0.18	2.1 - 2.8	P	2.47	0.13	3.2 - 4.3	P	3.73	0.18	1.8 - 2.4	P	2.07	0.12	64
Beckman nonenz rate & Beckman Unicel DXC series	3	4.8 - 6.5	P	5.64	0.17	3.2 - 4.3	P	3.76	0.13	2.2 - 3.0	P	2.59	0.10	3.3 - 4.5	P	3.91	0.14	1.8 - 2.4	P	2.08	0.09	38
Beckman Synchron IDMS trace & Beckman Unicel DXC series	4	4.8 - 6.5	P	5.64	0.15	3.2 - 4.4	P	3.80	0.12	2.2 - 3.0	P	2.60	0.07	3.3 - 4.5	P	3.93	0.12	1.8 - 2.4	P	2.09	0.08	23
Carolina nonenz rate & Beckman Synchron CX3/7/9/L	5	5.0 - 6.7	P	5.86	0.24	3.4 - 4.6	P	3.98	0.22	2.3 - 3.2	P	2.75	0.15	3.5 - 4.8	P	4.14	0.21	1.9 - 2.6	P	2.25	0.13	19
Clin Data ATAC nonenz rate & Vital Diag CI Data ATAC8000	6	4.6 - 6.3	P	5.44	0.31	3.2 - 4.4	P	3.80	0.22	2.2 - 3.0	P	2.59	0.16	3.3 - 4.5	P	3.92	0.20	1.8 - 2.5	P	2.17	0.06	11
Clinical Data Envoy & Vital Diagnostics Envoy	7	4.6 - 6.2	P	5.41	0.20	3.1 - 4.2	P	3.68	0.13	2.2 - 3.0	P	2.65	0.11	3.3 - 4.5	P	3.88	0.12	1.8 - 2.4	P	2.08	0.06	13
Horiba ABX & Horiba ABX Pentra 400	8	4.6 - 6.3	P	5.44	0.07	3.2 - 4.3	P	3.75	0.08	2.2 - 3.0	P	2.60	0.08	3.3 - 4.4	P	3.85	0.09	1.8 - 2.4	P	2.13	0.08	11

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						
J&J Vitros 1-slide enz & J&J Vitros not DT or ECi	9	4.1 - 5.5	P	4.77	0.14	3.1 - 4.3	P	3.70	0.11	1.5 - 2.1	C	1.85	0.07	2.9 - 4.0	P	3.45	0.13	1.8 - 2.5	P	2.15	0.07	57
J&J Vitros 1-slide enz & J&J Vitros 5,1 FS	10	4.1 - 5.6	P	4.86	0.10	3.3 - 4.4	P	3.83	0.09	1.5 - 2.1	C	1.84	0.05	3.0 - 4.1	P	3.56	0.07	1.9 - 2.5	P	2.19	0.04	20
J&J Vitros IDMS traceable & J&J Vitros not DT or ECi	11	4.1 - 5.6	P	4.83	0.08	3.2 - 4.3	P	3.71	0.09	1.6 - 2.2	C	1.87	0.05	2.9 - 4.0	P	3.47	0.09	1.8 - 2.5	P	2.15	0.05	13
Beckman Olympus nonenz rate & Beckm Olym AU 400/600/5400	12	4.7 - 6.4	P	5.59	0.15	3.2 - 4.3	P	3.74	0.11	2.2 - 3.0	P	2.62	0.09	3.3 - 4.5	P	3.91	0.12	1.8 - 2.4	P	2.08	0.07	56
Roche Cobas nonenz rate & Roche Cobas Integra	13	4.6 - 6.2	P	5.38	0.32	3.1 - 4.2	P	3.63	0.23	2.0 - 2.7	P	2.37	0.09	3.2 - 4.3	P	3.74	0.26	1.7 - 2.3	C	1.98	0.11	20
SDI Biomed & SDI CA-240, 480	14	4.1 - 5.6	P	4.88	0.38	2.8 - 3.7	P	3.26	0.22	2.0 - 2.7	P	2.34	0.18	2.9 - 3.9	P	3.41	0.20	1.5 - 2.1	C	1.84	0.11	18
Siemens enz & Siemens Dimension Rxl	15	4.9 - 6.6	P	5.78	0.11	3.3 - 4.5	P	3.91	0.09	2.3 - 3.2	P	2.76	0.07	3.4 - 4.7	P	4.06	0.10	1.9 - 2.5	P	2.18	0.07	12
Siemens enz & Siemens Dimension EXL	16	4.9 - 6.6	P	5.75	0.15	3.3 - 4.5	P	3.89	0.12	2.3 - 3.1	P	2.70	0.09	3.4 - 4.6	P	4.02	0.13	1.8 - 2.5	P	2.18	0.08	16
Siemens enz & Siemens Dimension ser	17	4.9 - 6.6	P	5.73	0.13	3.3 - 4.5	P	3.89	0.08	2.3 - 3.1	P	2.72	0.07	3.4 - 4.6	P	4.04	0.10	1.9 - 2.5	P	2.20	0.07	42
Siemens enz & Siemens Dimension Xpand	18	4.9 - 6.6	P	5.71	0.12	3.3 - 4.5	P	3.87	0.09	2.3 - 3.1	P	2.69	0.05	3.4 - 4.6	P	4.02	0.09	1.9 - 2.5	P	2.19	0.06	47
Siemens ADVIA & Siemens Advia series	19	4.7 - 6.4	P	5.56	0.14	3.2 - 4.3	P	3.72	0.13	2.3 - 3.2	P	2.76	0.07	3.4 - 4.5	P	3.95	0.15	1.8 - 2.5	P	2.13	0.10	13
Siemens nonenz rate & Siemens Dimension Xpand	20	4.9 - 6.6	P	5.74	0.15	3.3 - 4.5	P	3.91	0.09	2.3 - 3.1	P	2.73	0.08	3.4 - 4.6	P	4.04	0.10	1.9 - 2.5	P	2.21	0.07	40
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	21	5.0 - 6.7	P	5.84	0.16	3.3 - 4.5	P	3.89	0.09	2.4 - 3.3	P	2.83	0.08	3.5 - 4.7	P	4.09	0.12	1.9 - 2.5	P	2.18	0.08	22
Alfa Wassermann nonenz rate	22	4.5 - 6.0	P	5.25	0.25	3.1 - 4.1	P	3.60	0.18	2.1 - 2.8	P	2.47	0.13	3.2 - 4.3	P	3.73	0.18	1.8 - 2.4	P	2.07	0.12	64
Beckman nonenz rate	23	4.8 - 6.5	P	5.67	0.17	3.2 - 4.4	P	3.80	0.15	2.2 - 3.0	P	2.62	0.12	3.4 - 4.5	P	3.96	0.16	1.8 - 2.4	P	2.10	0.10	55
Beckman Synchron IDMS trace	24	4.8 - 6.5	P	5.65	0.15	3.2 - 4.4	P	3.80	0.12	2.2 - 3.0	P	2.61	0.08	3.3 - 4.5	P	3.93	0.11	1.8 - 2.4	P	2.09	0.08	31
Carolina nonenz rate	25	4.9 - 6.7	P	5.78	0.26	3.3 - 4.5	P	3.93	0.22	2.3 - 3.1	P	2.71	0.16	3.5 - 4.7	P	4.10	0.20	1.9 - 2.5	P	2.20	0.16	33
Clin Data ATAC nonenz rate	26	4.6 - 6.3	P	5.44	0.31	3.2 - 4.4	P	3.80	0.22	2.2 - 3.0	P	2.59	0.16	3.3 - 4.5	P	3.92	0.20	1.8 - 2.5	P	2.17	0.06	11
Clinical Data Envoy	27	4.6 - 6.3	P	5.44	0.21	3.1 - 4.2	P	3.69	0.12	2.3 - 3.1	P	2.65	0.11	3.3 - 4.5	P	3.89	0.12	1.8 - 2.4	P	2.09	0.05	15
DCL/Genzyme nonenz rate	28	4.7 - 6.4	P	5.58	0.18	3.2 - 4.4	P	3.82	0.12	2.3 - 3.1	P	2.69	0.13	3.4 - 4.6	P	3.97	0.19	1.9 - 2.5	P	2.21	0.13	18
Horiba ABX	29	4.6 - 6.3	P	5.44	0.07	3.2 - 4.3	P	3.75	0.08	2.2 - 3.0	P	2.60	0.08	3.3 - 4.4	P	3.85	0.09	1.8 - 2.4	P	2.13	0.08	11
J&J Vitros 1-slide enz	30	4.1 - 5.5	P	4.81	0.15	3.2 - 4.3	P	3.75	0.12	1.6 - 2.2	C	1.85	0.07	3.0 - 4.0	P	3.50	0.14	1.8 - 2.5	P	2.17	0.07	90
J&J Vitros IDMS traceable	31	4.1 - 5.6	P	4.85	0.09	3.2 - 4.3	P	3.73	0.10	1.6 - 2.2	C	1.87	0.05	3.0 - 4.0	P	3.49	0.09	1.8 - 2.5	P	2.15	0.05	15
Beckman Olympus nonenz rate	32	4.7 - 6.4	P	5.59	0.15	3.2 - 4.3	P	3.74	0.11	2.2 - 3.0	P	2.62	0.09	3.3 - 4.5	P	3.91	0.12	1.8 - 2.4	P	2.08	0.08	63
Pointe Sci nonenz rate	33	4.8 - 6.6	P	5.70	0.34	3.3 - 4.5	P	3.94	0.25	2.3 - 3.1	P	2.74	0.26	3.4 - 4.6	P	4.04	0.34	1.9 - 2.6	P	2.25	0.18	22
Roche Cobas nonenz rate	34	4.7 - 6.3	P	5.47	0.32	3.1 - 4.2	P	3.67	0.22	2.1 - 2.9	P	2.49	0.19	3.2 - 4.4	P	3.82	0.25	1.7 - 2.3	P	2.03	0.13	47
SDI Biomed	35	4.1 - 5.6	P	4.88	0.38	2.8 - 3.7	P	3.26	0.22	2.0 - 2.7	P	2.34	0.18	2.9 - 3.9	P	3.41	0.20	1.5 - 2.1	C	1.84	0.11	18
Siemens enz	36	4.9 - 6.6	P	5.73	0.13	3.3 - 4.5	P	3.88	0.09	2.3 - 3.1	P	2.71	0.07	3.4 - 4.6	P	4.03	0.10	1.9 - 2.5	P	2.19	0.07	117
Siemens ADVIA	37	4.7 - 6.4	P	5.56	0.14	3.2 - 4.3	P	3.72	0.13	2.3 - 3.2	P	2.76	0.07	3.4 - 4.5	P	3.95	0.15	1.8 - 2.5	P	2.13	0.10	13
Siemens nonenz rate	38	4.9 - 6.6	P	5.73	0.16	3.3 - 4.5	P	3.89	0.13	2.3 - 3.1	P	2.72	0.10	3.4 - 4.6	P	4.03	0.12	1.9 - 2.5	P	2.20	0.08	63
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		
Enzymatic methods	39	4.6 - 6.2	P 5.38	0.48	3.3 - 4.4	P 3.83	0.14	2.0 - 2.7	P 2.37	0.43	3.3 - 4.4	P 3.83	0.29	1.9 - 2.5	P 2.18	0.08	228	
Nonenzymatic endpoint	40	4.4 - 5.9	P 5.17	0.55	3.0 - 4.1	P 3.54	0.46	2.1 - 2.9	P 2.49	0.28	3.1 - 4.2	P 3.67	0.43	1.7 - 2.3	P 2.03	0.30	27	
Nonenzymatic rate	41	4.7 - 6.4	P 5.55	0.30	3.2 - 4.3	P 3.76	0.21	2.2 - 3.0	P 2.62	0.18	3.3 - 4.5	P 3.91	0.22	1.8 - 2.4	P 2.12	0.13	481	
IDMS traceable	42	4.6 - 6.3	P 5.45	0.37	3.2 - 4.4	P 3.78	0.12	2.1 - 2.8	P 2.42	0.34	3.2 - 4.4	P 3.82	0.23	1.8 - 2.4	P 2.11	0.08	57	
Total Population																		
Whole Population	43	4.7 - 6.3	P 5.49	0.39	3.2 - 4.3	P 3.78	0.21	2.2 - 2.9	P 2.53	0.31	3.3 - 4.5	P 3.87	0.26	1.8 - 2.5	P 2.13	0.13	807	

Glucose

Initial Grouping by Reagent and Instrument

Abbott HK & Abbott Architect c, ci, i	1	76.0 - 93.0	P 84.5	1.6	151.0 - 185.0	P 168.0	2.8	53.0 - 65.0	C 59.2	1.1	108.0 - 132.0	P 120.1	1.6	185.0 - 226.0	P 205.3	3.4	25
Alfa Wassermann HK & Alfa Wasser ACE/Centr/Alera	2	78.0 - 95.0	P 86.5	2.4	154.0 - 189.0	P 171.5	4.4	57.0 - 70.0	P 63.7	1.8	111.0 - 136.0	P 123.7	3.4	188.0 - 230.0	P 208.9	5.8	64
Beckman HK & Beckman Unicel DXC series	3	77.0 - 94.0	P 85.8	2.2	155.0 - 190.0	P 172.5	4.7	57.0 - 69.0	P 62.9	2.2	111.0 - 135.0	P 123.1	2.6	189.0 - 231.0	P 210.4	4.6	32
Beckman O2 electrode & Beckman Unicel DXC series	4	76.0 - 94.0	P 85.0	2.5	154.0 - 188.0	P 171.2	2.6	55.0 - 67.0	P 61.3	2.9	111.0 - 135.0	P 122.9	2.6	187.0 - 228.0	P 207.3	4.1	23
Carolina HK & Beckman Synchron CX3/7/9/L	5	77.0 - 95.0	P 86.0	2.0	154.0 - 188.0	P 171.2	6.9	55.0 - 67.0	P 61.2	3.8	111.0 - 136.0	P 123.6	4.2	187.0 - 229.0	P 208.3	8.4	13
Clinical Data ATAC HK & Vital Diag CI Data ATAC8000	6	76.0 - 93.0	P 84.9	2.0	156.0 - 191.0	P 173.3	4.5	57.0 - 70.0	P 63.6	2.2	112.0 - 137.0	P 124.8	3.6	189.0 - 231.0	P 209.9	5.1	11
Clinical Data Envoy & Vital Diagnostics Envoy	7	80.0 - 98.0	P 89.4	2.4	157.0 - 192.0	P 174.7	6.7	59.0 - 72.0	P 65.8	1.8	115.0 - 141.0	P 127.8	3.2	194.0 - 237.0	P 215.1	7.3	14
Horiba ABX & Horiba ABX Pentra 400	8	78.0 - 96.0	P 86.8	3.7	157.0 - 192.0	P 174.5	5.2	55.0 - 67.0	P 61.2	3.1	112.0 - 136.0	P 123.9	3.5	192.0 - 235.0	P 213.2	6.6	11
J&J Vitros GO & J&J Vitros DT series	9	75.0 - 92.0	P 83.6	2.7	151.0 - 184.0	P 167.3	5.2	57.0 - 70.0	P 63.6	3.1	109.0 - 133.0	P 121.2	3.7	185.0 - 226.0	P 205.5	7.1	11
J&J Vitros GO & J&J Vitros not DT or ECi	10	74.0 - 91.0	P 82.4	2.5	148.0 - 181.0	P 164.9	4.2	55.0 - 67.0	P 61.2	2.0	107.0 - 130.0	P 118.5	3.1	182.0 - 223.0	P 202.3	4.5	70
J&J Vitros GO & J&J Vitros 5,1 FS	11	74.0 - 90.0	P 81.7	1.2	148.0 - 181.0	P 164.3	2.6	55.0 - 67.0	P 60.6	1.4	106.0 - 129.0	P 117.7	1.6	182.0 - 222.0	P 201.7	3.3	20
Beckman Olympus HK & Beckm Olym AU 400/600/5400	12	77.0 - 94.0	P 85.5	2.0	153.0 - 187.0	P 170.3	4.3	54.0 - 66.0	P 60.0	1.6	110.0 - 134.0	P 122.1	2.9	186.0 - 227.0	P 206.7	4.9	56
Roche Cobas HK & Roche Cobas 6000	13	77.0 - 94.0	P 85.9	3.2	153.0 - 187.0	P 169.9	5.6	55.0 - 67.0	P 61.3	1.1	109.0 - 134.0	P 121.5	4.6	186.0 - 227.0	P 206.4	7.4	10
Roche Cobas HK & Roche Cobas Integra	14	77.0 - 94.0	P 85.7	2.1	153.0 - 188.0	P 170.5	4.7	54.0 - 66.0	P 60.3	1.7	110.0 - 134.0	P 121.7	3.5	186.0 - 227.0	P 206.2	5.0	24
SDI Biomed & SDI CA-240, 480	15	80.0 - 98.0	P 89.2	2.8	160.0 - 195.0	P 177.7	5.6	59.0 - 72.0	P 65.4	2.2	114.0 - 140.0	P 127.1	3.9	199.0 - 243.0	P 221.4	5.5	18
Siemens HK & Siemens Dimension Rxl	16	79.0 - 96.0	P 87.4	2.4	154.0 - 189.0	P 171.5	3.8	58.0 - 71.0	P 64.4	2.0	112.0 - 136.0	P 124.0	3.0	187.0 - 228.0	P 207.6	4.1	22
Siemens HK & Siemens Dimension EXL	17	78.0 - 95.0	P 86.4	1.5	152.0 - 186.0	P 169.4	3.0	57.0 - 70.0	P 63.4	1.3	110.0 - 135.0	P 122.6	2.1	185.0 - 226.0	P 205.4	3.8	24
Siemens HK & Siemens Dimension					152.0 -						110.0 -			185.0 -			

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	Range & Type	Mean	SD			
ser	18	78.0 - 95.0	P	86.4	2.0	186.0	P	169.4	3.7	57.0 - 70.0	P	63.5	1.7	135.0	P	122.5	2.7	226.0	P	205.3	3.5	44
Siemens HK & Siemens Dimension Xpand	19	78.0 - 95.0	P	86.4	2.0	153.0 - 187.0	P	170.0	3.2	57.0 - 70.0	P	63.6	1.4	111.0 - 135.0	P	122.8	2.4	185.0 - 226.0	P	205.8	3.7	77
Siemens HK & Siemens Advia series	20	79.0 - 96.0	P	87.4	2.8	157.0 - 191.0	P	174.0	5.8	56.0 - 68.0	P	62.1	2.0	112.0 - 137.0	P	124.5	3.4	190.0 - 232.0	P	211.3	6.6	14
Sterling GO & Other spectrophotometers	21	77.0 - 94.0	P	85.7	3.1	154.0 - 189.0	P	171.4	3.9	58.0 - 70.0	P	64.1	2.5	112.0 - 136.0	P	124.1	2.3	188.0 - 230.0	P	209.2	3.3	12
Siemens HK, GLUC & Siemens Dimension Xpand	22	78.0 - 96.0	P	87.1	1.8	154.0 - 188.0	P	170.9	3.4	58.0 - 70.0	P	64.0	1.8	111.0 - 136.0	P	123.8	2.5	187.0 - 228.0	P	207.4	4.5	13
Initial Grouping by Reagent																						
Abbott HK	23	76.0 - 93.0	P	84.5	1.6	151.0 - 185.0	P	168.0	2.8	53.0 - 65.0	C	59.2	1.1	108.0 - 132.0	P	120.1	1.6	185.0 - 226.0	P	205.3	3.4	25
Alfa Wassermann HK	24	78.0 - 95.0	P	86.5	2.4	154.0 - 189.0	P	171.5	4.4	57.0 - 70.0	P	63.7	1.8	111.0 - 136.0	P	123.7	3.4	188.0 - 230.0	P	208.9	5.8	64
Beckman HK	25	77.0 - 94.0	P	85.7	2.3	155.0 - 190.0	P	172.6	4.2	56.0 - 69.0	P	62.5	2.3	111.0 - 135.0	P	123.0	3.3	189.0 - 231.0	P	210.3	5.8	48
Beckman O2 electrode	26	77.0 - 94.0	P	85.5	2.5	154.0 - 189.0	P	171.5	2.9	55.0 - 67.0	P	61.1	2.8	111.0 - 136.0	P	123.2	2.5	187.0 - 228.0	P	207.4	4.0	31
Carolina HK	27	77.0 - 94.0	P	85.6	3.3	154.0 - 188.0	P	170.8	6.9	55.0 - 68.0	P	61.4	4.0	112.0 - 136.0	P	123.9	5.0	189.0 - 231.0	P	209.7	8.6	27
Clinical Data ATAC HK	28	76.0 - 93.0	P	84.9	2.0	156.0 - 191.0	P	173.3	4.5	57.0 - 70.0	P	63.6	2.2	112.0 - 137.0	P	124.8	3.6	189.0 - 231.0	P	209.9	5.1	11
Clinical Data Envoy	29	80.0 - 98.0	P	89.2	2.3	159.0 - 194.0	P	176.4	4.6	59.0 - 72.0	P	65.7	1.8	115.0 - 141.0	P	128.1	3.1	193.0 - 236.0	P	214.9	6.9	16
DCL/Genzyme HK	30	80.0 - 98.0	P	89.0	3.6	158.0 - 193.0	P	175.8	7.3	58.0 - 71.0	P	64.6	2.8	113.0 - 138.0	P	125.6	4.2	192.0 - 234.0	P	213.2	7.9	20
Horiba ABX	31	78.0 - 96.0	P	86.8	3.7	157.0 - 192.0	P	174.5	5.2	55.0 - 67.0	P	61.2	3.1	112.0 - 136.0	P	123.9	3.5	192.0 - 235.0	P	213.2	6.6	11
J&J Vitros GO	32	74.0 - 91.0	P	82.3	2.3	148.0 - 181.0	P	165.0	4.0	55.0 - 67.0	P	61.2	2.2	107.0 - 130.0	P	118.5	3.1	182.0 - 223.0	P	202.5	4.7	111
Beckman Olympus HK	33	77.0 - 94.0	P	85.5	2.0	153.0 - 188.0	P	170.5	4.3	54.0 - 66.0	P	60.0	1.6	110.0 - 134.0	P	122.0	2.9	186.0 - 227.0	P	206.7	4.7	63
Pointe Sci HK	34	83.0 - 101.0	P	92.0	6.4	164.0 - 200.0	P	182.2	12.3	61.0 - 74.0	P	67.7	4.6	119.0 - 145.0	P	131.8	7.7	200.0 - 244.0	P	221.9	13.6	21
Roche Cobas HK	35	77.0 - 94.0	P	85.8	2.4	153.0 - 187.0	P	170.4	5.0	55.0 - 67.0	P	60.7	1.7	110.0 - 134.0	P	122.0	3.9	186.0 - 227.0	P	206.5	5.9	53
Roche/Hitachi HK	36	77.0 - 94.0	P	85.8	2.4	155.0 - 190.0	P	172.3	5.0	54.0 - 67.0	P	60.5	1.8	111.0 - 135.0	P	123.0	1.7	188.0 - 230.0	P	209.0	3.3	10
SDI Biomed	37	80.0 - 98.0	P	89.2	2.8	160.0 - 195.0	P	177.7	5.6	59.0 - 72.0	P	65.4	2.2	114.0 - 140.0	P	127.1	3.9	199.0 - 243.0	P	221.4	5.5	18
Siemens HK	38	78.0 - 95.0	P	86.6	2.1	153.0 - 187.0	P	170.3	3.8	57.0 - 70.0	P	63.5	1.7	111.0 - 135.0	P	123.0	2.7	186.0 - 227.0	P	206.3	4.3	183
Sterling GO	39	76.0 - 93.0	P	84.9	3.4	154.0 - 189.0	P	171.4	4.7	57.0 - 70.0	P	63.2	3.3	111.0 - 135.0	P	123.1	2.6	189.0 - 231.0	P	209.8	5.4	22
Siemens HK, GLUC	40	78.0 - 95.0	P	86.7	1.8	153.0 - 187.0	P	170.2	3.8	57.0 - 70.0	P	63.3	1.3	111.0 - 136.0	P	123.3	2.4	186.0 - 228.0	P	206.9	3.8	19

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																						
Glucose Oxidase (GO)	41	75.0 - 92.0	P	83.7	3.5	151.0 - 185.0	P	168.1	6.9	56.0 - 68.0	P	62.2	5.5	108.0 - 132.0	P	120.0	6.9	184.0 - 225.0	P	204.6	13.6	172
HexoKinase (HK) low recov	42	78.0 - 95.0	P	86.3	2.7	154.0 - 188.0	P	171.1	5.2	56.0 - 69.0	P	62.3	2.7	111.0 - 135.0	P	123.0	3.5	187.0 - 229.0	P	207.9	6.4	503
HexoKinase (HK) high recov	43	79.0 - 96.0	P	87.7	4.1	157.0 - 191.0	P	174.0	7.7	58.0 - 71.0	P	64.6	3.1	113.0 - 138.0	P	125.7	5.4	191.0 - 233.0	P	212.0	9.4	124
Oxygen electrode	44	77.0 - 94.0	P	85.5	2.5	154.0 - 189.0	P	171.5	2.9	55.0 - 67.0	P	61.1	2.8	111.0 - 136.0	P	123.2	2.5	187.0 - 228.0	P	207.4	4.0	31
Total Population																						
Whole Population	45	77.0 - 94.0	P	85.9	3.4	154.0 - 188.0	P	170.9	6.2	56.0 - 69.0	P	62.5	2.9	111.0 - 135.0	P	122.8	4.3	187.0 - 229.0	P	208.0	7.4	835

Phosphorus

Initial Grouping by Reagent and Instrument

Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	4.5 - 6.1	P	5.32	0.09	3.5 - 4.7	P	4.07	0.09	3.5 - 4.8	P	4.13	0.09	3.7 - 5.0	P	4.39	0.08	2.7 - 3.6	P	3.12	0.09	21
Beckman Synchron PHS & Beckman Unicel DXC series	2	4.5 - 6.1	P	5.33	0.19	3.4 - 4.7	P	4.05	0.14	3.5 - 4.8	P	4.15	0.14	3.7 - 5.1	P	4.41	0.16	2.6 - 3.6	P	3.11	0.11	30
Beckman UV/unc & Beckman Unicel DXC series	3	4.7 - 6.4	P	5.52	0.26	3.6 - 4.9	P	4.27	0.26	3.6 - 4.9	P	4.29	0.22	3.9 - 5.3	P	4.58	0.22	2.7 - 3.7	P	3.21	0.14	16
Carolina & Beckman Synchron CX3/7/9/L	4	4.7 - 6.4	P	5.57	0.31	3.7 - 5.0	P	4.31	0.13	3.8 - 5.2	P	4.53	0.18	3.9 - 5.3	P	4.64	0.09	2.9 - 3.9	P	3.42	0.17	15
J&J Vitros visible & J&J Vitros not DT or ECi	5	4.3 - 5.8	P	5.04	0.20	3.4 - 4.6	P	4.04	0.14	3.5 - 4.7	P	4.09	0.14	3.7 - 5.0	P	4.33	0.15	2.8 - 3.7	P	3.26	0.12	47
J&J Vitros visible & J&J Vitros 5,1 FS	6	4.3 - 5.8	P	5.06	0.18	3.5 - 4.7	P	4.07	0.17	3.5 - 4.8	P	4.13	0.18	3.7 - 5.0	P	4.33	0.17	2.8 - 3.8	P	3.29	0.15	19
BeckmanOlym UV/bic/no SB & Beckm Olym AU 400/600/5400	7	4.4 - 5.9	P	5.15	0.15	3.3 - 4.5	P	3.92	0.12	3.4 - 4.6	P	3.99	0.11	3.6 - 4.9	P	4.23	0.12	2.6 - 3.5	P	3.02	0.10	40
Roche Cobas Integra UV/rate & Roche Cobas Integra	8	4.6 - 6.2	P	5.39	0.16	3.5 - 4.8	P	4.15	0.12	3.6 - 4.8	P	4.22	0.15	3.8 - 5.1	P	4.46	0.09	2.7 - 3.6	P	3.16	0.10	19
Siemens Dimension UV/bic/SB & Siemens Dimension Rxl	9	4.5 - 6.1	P	5.29	0.09	3.4 - 4.6	P	4.02	0.09	3.5 - 4.8	P	4.16	0.07	3.7 - 5.0	P	4.37	0.11	2.6 - 3.6	P	3.09	0.13	18
Siemens Dimension UV/bic/SB & Siemens Dimension EXL	10	4.5 - 6.1	P	5.26	0.09	3.4 - 4.6	P	4.00	0.07	3.5 - 4.7	P	4.10	0.07	3.7 - 5.0	P	4.35	0.06	2.6 - 3.5	P	3.08	0.08	23
Siemens Dimension UV/bic/SB & Siemens Dimension ser	11	4.5 - 6.1	P	5.31	0.11	3.4 - 4.6	P	4.04	0.08	3.5 - 4.8	P	4.13	0.08	3.7 - 5.0	P	4.39	0.09	2.6 - 3.6	P	3.09	0.07	38
Siemens Dimension UV/bic/SB & Siemens Dimension Xpand	12	4.5 - 6.1	P	5.30	0.08	3.4 - 4.6	P	4.04	0.07	3.5 - 4.7	P	4.13	0.06	3.7 - 5.0	P	4.37	0.08	2.6 - 3.6	P	3.09	0.07	50
Alfa Wassermann UV & Alfa Wasser ACE/Centr/Alera	13	4.5 - 6.0	P	5.26	0.18	3.4 - 4.6	P	3.97	0.21	3.4 - 4.6	P	3.99	0.25	3.6 - 4.9	P	4.25	0.24	2.5 - 3.5	P	3.00	0.21	11
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	14	4.5 - 6.1	P	5.32	0.09	3.5 - 4.7	P	4.07	0.09	3.5 - 4.8	P	4.13	0.09	3.7 - 5.0	P	4.39	0.08	2.7 - 3.6	P	3.12	0.09	21
Beckman Synchron PHS	15	4.5 - 6.1	P	5.34	0.19	3.4 - 4.7	P	4.05	0.14	3.5 - 4.8	P	4.17	0.16	3.8 - 5.1	P	4.42	0.16	2.7 - 3.6	P	3.12	0.11	32
Beckman UV/unc	16	4.7 - 6.4	P	5.57	0.30	3.6 - 4.9	P	4.22	0.31	3.6 - 4.9	P	4.29	0.22	3.8 - 5.2	P	4.52	0.38	2.7 - 3.7	P	3.19	0.25	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	
EasyLyte series	11	5.6 - 6.6	C 6.11	0.12	3.8 - 4.8	C 4.35	0.09	4.8 - 5.8	C 5.30	0.12	4.5 - 5.5	C 5.02	0.09	2.8 - 3.8	C 3.28	0.09	20
Beckman Olympus dil ISE & Beckm Olym AU 400/600/5400	12	5.7 - 6.7	C 6.19	0.11	4.0 - 5.0	C 4.45	0.06	4.8 - 5.8	C 5.30	0.08	4.6 - 5.6	C 5.11	0.08	2.9 - 3.9	C 3.35	0.06	63
Roche Cobas Integra dil ISE & Roche Cobas Integra	13	5.8 - 6.8	C 6.25	0.06	4.0 - 5.0	C 4.49	0.04	4.8 - 5.8	C 5.32	0.04	4.6 - 5.6	C 5.13	0.06	2.9 - 3.9	C 3.37	0.05	26
Roche Cobas und ISE & Roche Cobas Mira series	14	5.6 - 6.6	C 6.12	0.19	4.0 - 5.0	C 4.46	0.16	4.8 - 5.8	C 5.33	0.17	4.6 - 5.6	C 5.06	0.17	2.9 - 3.9	C 3.39	0.05	12
Siemens dil ISE & Siemens Advia series	15	5.8 - 6.8	C 6.30	0.10	4.0 - 5.0	C 4.48	0.07	4.9 - 5.9	C 5.40	0.08	4.7 - 5.7	C 5.18	0.06	2.9 - 3.9	C 3.38	0.04	13
Siemens QuickLYTE IMT & Siemens Dimension Rxl	16	5.7 - 6.7	C 6.18	0.09	3.9 - 4.9	C 4.40	0.05	4.7 - 5.7	C 5.24	0.07	4.6 - 5.6	C 5.05	0.08	2.8 - 3.8	C 3.28	0.04	24
Siemens QuickLYTE IMT & Siemens Dimension EXL	17	5.8 - 6.8	C 6.28	0.05	4.0 - 5.0	C 4.46	0.05	4.8 - 5.8	C 5.31	0.04	4.6 - 5.6	C 5.12	0.05	2.8 - 3.8	C 3.30	0.00	25
Siemens QuickLYTE IMT & Siemens Dimension ser	18	5.8 - 6.8	C 6.28	0.07	4.0 - 5.0	C 4.46	0.05	4.8 - 5.8	C 5.32	0.06	4.6 - 5.6	C 5.12	0.07	2.8 - 3.8	C 3.31	0.04	46
Siemens QuickLYTE IMT & Siemens Dimension Xpand	19	5.8 - 6.8	C 6.31	0.06	4.0 - 5.0	C 4.48	0.05	4.8 - 5.8	C 5.33	0.05	4.6 - 5.6	C 5.15	0.06	2.8 - 3.8	C 3.31	0.03	93
Initial Grouping by Reagent																	
Abbott ICT	20	5.8 - 6.8	C 6.31	0.05	4.0 - 5.0	C 4.47	0.05	4.9 - 5.9	C 5.38	0.04	4.6 - 5.6	C 5.14	0.05	2.9 - 3.9	C 3.37	0.05	18
Alfa Wassermann und ISE	21	5.9 - 6.9	C 6.39	0.11	4.0 - 5.0	C 4.54	0.08	5.0 - 6.0	C 5.53	0.08	4.7 - 5.7	C 5.23	0.08	2.9 - 3.9	C 3.39	0.07	59
Beckman dil ISE	22	5.8 - 6.8	C 6.30	0.08	4.0 - 5.0	C 4.46	0.07	4.9 - 5.9	C 5.38	0.08	4.6 - 5.6	C 5.14	0.07	2.8 - 3.8	C 3.30	0.08	86
Carolina dil ISE	23	5.7 - 6.7	C 6.23	0.19	3.9 - 4.9	C 4.44	0.13	4.9 - 5.9	C 5.35	0.11	4.6 - 5.6	C 5.11	0.14	2.8 - 3.8	C 3.34	0.10	30
Clin Data ATAC 8000 dil ISE	24	5.8 - 6.8	C 6.30	0.15	4.0 - 5.0	C 4.47	0.12	4.8 - 5.8	C 5.34	0.17	4.6 - 5.6	C 5.08	0.19	2.8 - 3.8	C 3.33	0.09	13
Clinical Data Envoy ISE	25	5.5 - 6.5	C 6.02	0.11	3.8 - 4.8	C 4.28	0.08	4.6 - 5.6	C 5.13	0.07	4.4 - 5.4	C 4.93	0.08	2.7 - 3.7	C 3.20	0.08	15
Horiba ABX ISE	26	5.4 - 6.4	C 5.85	0.10	3.8 - 4.8	C 4.31	0.05	4.7 - 5.7	C 5.21	0.05	4.4 - 5.4	C 4.92	0.04	2.8 - 3.8	C 3.35	0.05	11
J&J Vitros und ISE	27	5.7 - 6.7	C 6.24	0.10	4.0 - 5.0	C 4.52	0.07	5.0 - 6.0	C 5.50	0.09	4.7 - 5.7	C 5.21	0.09	2.9 - 3.9	C 3.44	0.07	106
Medica EasyLyte und ISE	28	5.6 - 6.6	C 6.12	0.12	3.9 - 4.9	C 4.37	0.13	4.8 - 5.8	C 5.31	0.12	4.5 - 5.5	C 5.03	0.10	2.8 - 3.8	C 3.30	0.13	26
Beckman Olympus dil ISE	29	5.7 - 6.7	C 6.19	0.11	4.0 - 5.0	C 4.45	0.06	4.8 - 5.8	C 5.30	0.08	4.6 - 5.6	C 5.11	0.08	2.9 - 3.9	C 3.36	0.07	71
Roche Cobas Integra dil ISE	30	5.7 - 6.7	C 6.24	0.07	4.0 - 5.0	C 4.47	0.07	4.8 - 5.8	C 5.31	0.06	4.6 - 5.6	C 5.12	0.07	2.8 - 3.8	C 3.34	0.07	36
Roche Cobas und ISE	31	5.6 - 6.6	C 6.14	0.15	4.0 - 5.0	C 4.46	0.16	4.8 - 5.8	C 5.32	0.13	4.6 - 5.6	C 5.07	0.13	2.9 - 3.9	C 3.35	0.07	23
Roche/Hitachi dil ISE	32	5.7 - 6.7	C 6.19	0.13	3.9 - 4.9	C 4.39	0.04	4.8 - 5.8	C 5.28	0.07	4.6 - 5.6	C 5.06	0.07	2.8 - 3.8	C 3.26	0.09	17
Siemens dil ISE	33	5.8 - 6.8	C 6.30	0.10	4.0 - 5.0	C 4.48	0.07	4.9 - 5.9	C 5.40	0.08	4.7 - 5.7	C 5.19	0.03	2.9 - 3.9	C 3.38	0.04	13
Siemens QuickLYTE IMT	34	5.8 - 6.8	C 6.28	0.08	4.0 - 5.0	C 4.46	0.05	4.8 - 5.8	C 5.31	0.06	4.6 - 5.6	C 5.12	0.07	2.8 - 3.8	C 3.30	0.04	188
Initial Grouping by Sensitivity or Principle																	
Colorimetric/turbidimetric	35	5.9 - 6.9	C 6.41	0.16	4.2 - 5.2	C 4.74	0.28	5.2 - 6.2	C 5.74	0.28	4.9 - 5.9	C 5.40	0.16	3.1 - 4.1	C 3.56	0.14	10
Diluted ISE results	36	5.7 - 6.7	C 6.23	0.18	3.9 - 4.9	C 4.45	0.12	4.8 - 5.8	C 5.33	0.11	4.6 - 5.6	C 5.11	0.11	2.8 - 3.8	C 3.33	0.09	327
Undiluted ISE results	37	5.8 - 6.8	C 6.26	0.15	4.0 - 5.0	C 4.48	0.11	4.9 - 5.9	C 5.40	0.16	4.7 - 5.7	C 5.15	0.12	2.9 - 3.9	C 3.36	0.11	445
Total Population																	
Whole Population	38	5.7 - 6.7	C 6.25	0.16	4.0 - 5.0	C 4.47	0.12	4.9 - 5.9	C 5.37	0.15	4.6 - 5.6	C 5.14	0.12	2.8 - 3.8	C 3.35	0.11	797

Sodium

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 and Instrument																						
Abbott ICT & Abbott Architect c, ci, i	1	139.0 - 147.0	C	143.2	0.9	125.0 - 133.0	C	129.1	1.0	149.0 - 157.0	C	152.5	0.7	134.0 - 142.0	C	138.1	1.1	121.0 - 129.0	C	124.6	1.1	18
Alfa Wassermann und ISE & Alfa Wasser ACE/Centr/Alera	2	138.0 - 146.0	C	141.9	1.8	123.0 - 131.0	C	127.2	1.1	150.0 - 158.0	C	154.3	1.3	133.0 - 141.0	C	137.5	1.5	120.0 - 128.0	C	123.7	1.4	56
Beckman dil ISE & Beckman Unicel DXC series	3	139.0 - 147.0	C	142.6	1.3	126.0 - 134.0	C	130.3	1.3	148.0 - 156.0	C	151.8	1.7	135.0 - 143.0	C	138.8	1.5	122.0 - 130.0	C	125.8	1.4	61
Beckman dil ISE & Beckman Synchron CX3/7/9/L	4	140.0 - 148.0	C	143.6	1.5	126.0 - 134.0	C	130.5	0.9	147.0 - 155.0	C	151.2	0.6	135.0 - 143.0	C	139.4	1.6	122.0 - 130.0	C	125.8	1.1	11
Carolina dil ISE & Beckman Synchron CX3/7/9/L	5	138.0 - 146.0	C	142.3	2.7	125.0 - 133.0	C	129.2	2.0	147.0 - 155.0	C	151.0	3.1	134.0 - 142.0	C	138.3	1.4	121.0 - 129.0	C	124.7	2.4	19
Clin Data ATAC 8000 dil ISE & Vital Diag CI Data ATAC8000	6	138.0 - 146.0	C	142.1	2.9	125.0 - 133.0	C	128.9	2.3	147.0 - 155.0	C	151.3	2.8	133.0 - 141.0	C	137.2	3.0	120.0 - 128.0	C	124.5	2.3	12
Clinical Data Envoy ISE & Vital Diagnostics Envoy	7	138.0 - 146.0	C	141.6	1.9	125.0 - 133.0	C	129.1	1.9	147.0 - 155.0	C	151.2	2.0	134.0 - 142.0	C	137.5	2.0	120.0 - 128.0	C	124.2	2.1	13
Horiba ABX ISE & Horiba ABX Pentra 400	8	136.0 - 144.0	C	139.5	1.2	124.0 - 132.0	C	127.8	0.4	148.0 - 156.0	C	151.9	1.2	133.0 - 141.0	C	137.0	1.0	121.0 - 129.0	C	125.2	1.0	11
J&J Vitros und ISE & J&J Vitros not DT or ECi	9	140.0 - 148.0	C	143.6	1.8	127.0 - 135.0	C	130.6	1.7	153.0 - 161.0	C	156.9	2.1	137.0 - 145.0	C	140.6	1.9	124.0 - 132.0	C	127.6	1.6	70
J&J Vitros und ISE & J&J Vitros 5,1 FS	10	140.0 - 148.0	C	143.6	1.8	126.0 - 134.0	C	130.2	1.7	153.0 - 161.0	C	156.6	1.8	136.0 - 144.0	C	140.1	1.7	123.0 - 131.0	C	126.8	1.5	20
Medica EasyLyte und ISE & Medica EasyLyte series	11	138.0 - 146.0	C	142.0	1.4	125.0 - 133.0	C	129.4	1.7	151.0 - 159.0	C	154.7	1.9	135.0 - 143.0	C	139.0	1.9	122.0 - 130.0	C	126.0	1.8	20
Beckman Olympus dil ISE & Beckm Olym AU 400/600/5400	12	137.0 - 145.0	C	141.4	1.7	125.0 - 133.0	C	128.6	1.3	146.0 - 154.0	C	150.1	1.6	133.0 - 141.0	C	137.5	1.5	120.0 - 128.0	C	124.5	1.4	64
Roche Cobas Integra dil ISE & Roche Cobas Integra	13	137.0 - 145.0	C	140.9	1.0	124.0 - 132.0	C	127.8	1.3	145.0 - 153.0	C	149.0	1.0	132.0 - 140.0	C	136.4	0.8	120.0 - 128.0	C	123.6	1.1	26
Roche Cobas und ISE & Roche Cobas Mira series	14	139.0 - 147.0	C	143.4	1.9	126.0 - 134.0	C	130.1	1.4	152.0 - 160.0	C	156.3	3.9	136.0 - 144.0	C	140.5	2.6	123.0 - 131.0	C	126.7	2.6	12
Siemens dil ISE & Siemens Advia series	15	139.0 - 147.0	C	143.1	1.2	126.0 - 134.0	C	130.1	1.1	149.0 - 157.0	C	152.8	0.8	135.0 - 143.0	C	139.2	0.8	122.0 - 130.0	C	126.1	1.0	13
Siemens QuickLYTE IMT & Siemens Dimension Rxl	16	136.0 - 144.0	C	140.3	1.2	124.0 - 132.0	C	128.1	1.9	145.0 - 153.0	C	148.5	1.5	133.0 - 141.0	C	136.6	1.8	120.0 - 128.0	C	124.4	1.5	25
Siemens QuickLYTE IMT & Siemens Dimension EXL	17	139.0 - 147.0	C	142.6	0.9	126.0 - 134.0	C	130.2	0.9	147.0 - 155.0	C	150.6	1.0	134.0 - 142.0	C	138.4	0.8	122.0 - 130.0	C	126.0	0.7	25
Siemens QuickLYTE IMT & Siemens Dimension ser	18	139.0 - 147.0	C	142.5	1.4	126.0 - 134.0	C	129.9	1.3	147.0 - 155.0	C	150.6	1.6	134.0 - 142.0	C	138.2	1.6	122.0 - 130.0	C	125.7	1.3	45
Siemens QuickLYTE IMT & Siemens Dimension Xpand	19	139.0 - 147.0	C	142.9	1.2	126.0 - 134.0	C	130.3	1.1	147.0 - 155.0	C	150.9	1.3	135.0 - 143.0	C	138.6	1.1	122.0 - 130.0	C	126.0	1.1	93
SDI Biomed & SDI CA-240, 480	20	139.0 - 147.0	C	142.5	2.0	126.0 - 134.0	C	129.5	2.3	150.0 - 158.0	C	153.9	3.1	135.0 - 143.0	C	139.0	1.9	123.0 - 131.0	C	127.2	2.4	17
Initial Grouping by Reagent																						
Abbott ICT	21	139.0 - 147.0	C	143.2	0.9	125.0 - 133.0	C	129.1	1.0	149.0 - 157.0	C	152.5	0.7	134.0 - 142.0	C	138.1	1.1	121.0 - 129.0	C	124.6	1.1	18
Alfa Wassermann und ISE	22	138.0 - 146.0	C	142.0	1.8	123.0 - 131.0	C	127.2	1.1	150.0 - 158.0	C	154.3	1.4	133.0 - 141.0	C	137.5	1.5	120.0 - 128.0	C	123.8	1.4	57

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 dil ISE	23	139.0 - 147.0	C	142.8	1.3	126.0 - 134.0	C	130.3	1.2	148.0 - 156.0	C	151.6	1.6	135.0 - 143.0	C	138.9	1.4	122.0 - 130.0	C	125.8	1.3	86
Carolina dil ISE	24	138.0 - 146.0	C	142.5	2.6	126.0 - 134.0	C	129.7	3.0	147.0 - 155.0	C	151.1	2.6	134.0 - 142.0	C	138.4	2.0	122.0 - 130.0	C	125.5	3.5	30
Clin Data ATAC 8000 dil ISE	25	138.0 - 146.0	C	142.1	2.9	125.0 - 133.0	C	128.9	2.3	147.0 - 155.0	C	151.3	2.8	133.0 - 141.0	C	137.2	3.0	120.0 - 128.0	C	124.5	2.3	12
Clinical Data Envoy ISE	26	138.0 - 146.0	C	141.6	1.9	125.0 - 133.0	C	129.0	1.9	147.0 - 155.0	C	151.2	1.9	134.0 - 142.0	C	137.6	1.9	120.0 - 128.0	C	124.5	1.4	15
Horiba ABX ISE	27	136.0 - 144.0	C	139.5	1.2	124.0 - 132.0	C	127.8	0.4	148.0 - 156.0	C	151.9	1.2	133.0 - 141.0	C	137.0	1.0	121.0 - 129.0	C	125.2	1.0	11
J&J Vitros und ISE	28	140.0 - 148.0	C	143.7	1.8	127.0 - 135.0	C	130.6	1.7	153.0 - 161.0	C	156.9	2.0	136.0 - 144.0	C	140.5	1.9	123.0 - 131.0	C	127.4	1.6	102
Medica EasyLyte und ISE	29	138.0 - 146.0	C	142.1	1.4	126.0 - 134.0	C	129.6	1.7	151.0 - 159.0	C	154.8	1.8	135.0 - 143.0	C	139.1	1.9	122.0 - 130.0	C	126.2	1.7	23
Beckman Olympus dil ISE	30	137.0 - 145.0	C	141.5	1.7	125.0 - 133.0	C	128.7	1.3	146.0 - 154.0	C	150.2	1.8	134.0 - 142.0	C	137.5	1.4	121.0 - 129.0	C	124.6	1.5	72
Roche Cobas Integra dil ISE	31	137.0 - 145.0	C	141.0	1.5	124.0 - 132.0	C	128.0	1.4	145.0 - 153.0	C	149.4	1.7	133.0 - 141.0	C	136.6	0.9	120.0 - 128.0	C	123.8	1.3	36
Roche Cobas und ISE	32	138.0 - 146.0	C	142.3	1.9	125.0 - 133.0	C	129.4	1.4	150.0 - 158.0	C	153.7	4.0	135.0 - 143.0	C	139.2	2.4	122.0 - 130.0	C	125.8	2.1	23
Roche/Hitachi dil ISE	33	137.0 - 145.0	C	140.9	2.2	123.0 - 131.0	C	127.5	2.5	146.0 - 154.0	C	150.1	2.5	133.0 - 141.0	C	136.6	1.9	119.0 - 127.0	C	123.5	2.2	17
Siemens dil ISE	34	139.0 - 147.0	C	143.1	1.2	126.0 - 134.0	C	130.1	1.1	149.0 - 157.0	C	152.8	0.8	135.0 - 143.0	C	139.2	0.8	122.0 - 130.0	C	126.1	1.0	13
Siemens QuickLYTE IMT	35	138.0 - 146.0	C	142.4	1.5	126.0 - 134.0	C	129.9	1.5	146.0 - 154.0	C	150.4	1.6	134.0 - 142.0	C	138.2	1.5	122.0 - 130.0	C	125.7	1.3	188
SDI Biomed	36	139.0 - 147.0	C	142.5	2.0	126.0 - 134.0	C	129.5	2.3	150.0 - 158.0	C	153.9	3.1	135.0 - 143.0	C	139.0	1.9	123.0 - 131.0	C	127.2	2.4	17
Initial Grouping by Sensitivity or Principle																						
Diluted ISE	37	138.0 - 146.0	C	142.0	2.3	125.0 - 133.0	C	129.2	2.1	147.0 - 155.0	C	150.9	2.4	134.0 - 142.0	C	138.0	2.0	121.0 - 129.0	C	124.9	2.1	326
Undiluted ISE	38	139.0 - 147.0	C	142.5	1.9	126.0 - 134.0	C	129.6	1.9	149.0 - 157.0	C	153.2	3.3	135.0 - 143.0	C	138.8	2.0	122.0 - 130.0	C	125.9	1.9	446
Total Population																						
Whole Population	39	138.0 - 146.0	C	142.3	2.2	125.0 - 133.0	C	129.4	2.0	148.0 - 156.0	C	152.3	3.2	134.0 - 142.0	C	138.5	2.1	121.0 - 129.0	C	125.4	2.1	787

Protein, Total

Initial Grouping by Reagent and Instrument

All refractometers & All refractometers	1	5.5 - 6.8	P	6.16	0.13	5.3 - 6.5	P	5.91	0.15	8.6 - 10.5	P	9.51	0.12	6.2 - 7.6	P	6.88	0.14	5.9 - 7.3	P	6.61	0.13	310
Abbott bic/no SB & Abbott Architect c, ci, i	2	3.8 - 4.7	P	4.25	0.09	3.7 - 4.5	P	4.11	0.09	6.7 - 8.1	P	7.40	0.12	4.5 - 5.5	P	4.98	0.10	4.4 - 5.3	P	4.84	0.09	25
Alfa Wassermann bic/no SB & Alfa Wasser ACE/Centr/Alera	3	3.9 - 4.7	P	4.32	0.12	3.8 - 4.6	P	4.17	0.13	6.7 - 8.1	P	7.39	0.18	4.5 - 5.5	P	5.04	0.13	4.4 - 5.4	P	4.88	0.17	59

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 rate & Beckman Unicel DXC series	4	3.8 - 4.6	P 4.17	0.10	3.6 - 4.4	P 4.01	0.09	6.5 - 7.9	P 7.19	0.18	4.4 - 5.3	P 4.85	0.11	4.2 - 5.1	P 4.67	0.14	16
Beckman unc & Beckman Unicel DXC series	5	3.7 - 4.6	P 4.15	0.12	3.6 - 4.4	P 3.96	0.11	6.4 - 7.8	P 7.12	0.17	4.3 - 5.3	P 4.81	0.14	4.1 - 5.1	P 4.60	0.13	43
Carolina rate & Beckman Synchron CX3/7/9/L	6	3.7 - 4.6	P 4.14	0.22	3.6 - 4.4	P 3.98	0.20	6.4 - 7.8	P 7.12	0.20	4.3 - 5.3	P 4.78	0.21	4.1 - 5.0	P 4.58	0.22	16
Clinical Dat ATAC bic/no SB & Vital Diag CI Data ATAC8000	7	3.9 - 4.8	P 4.33	0.12	3.9 - 4.7	P 4.29	0.19	6.8 - 8.3	P 7.57	0.20	4.6 - 5.6	P 5.11	0.18	4.4 - 5.4	P 4.91	0.23	11
Clinical Data Envoy & Vital Diagnostics Envoy	8	3.9 - 4.8	P 4.38	0.13	3.8 - 4.6	P 4.18	0.15	6.7 - 8.1	P 7.41	0.09	4.5 - 5.5	P 5.02	0.06	4.4 - 5.3	P 4.85	0.08	12
Horiba ABX & Horiba ABX Pentra 400	9	4.0 - 4.9	P 4.43	0.07	3.8 - 4.7	P 4.25	0.05	6.8 - 8.3	P 7.51	0.11	4.6 - 5.7	P 5.15	0.08	4.5 - 5.5	P 4.96	0.07	11
J&J Vitros unc & J&J Vitros not DT or ECi	10	3.7 - 4.6	P 4.16	0.11	3.6 - 4.5	P 4.05	0.12	6.1 - 7.5	P 6.81	0.17	4.3 - 5.3	P 4.81	0.12	4.2 - 5.2	P 4.69	0.12	66
J&J Vitros unc & J&J Vitros 5,1 FS	11	3.7 - 4.6	P 4.16	0.11	3.6 - 4.5	P 4.06	0.13	6.1 - 7.4	P 6.76	0.17	4.3 - 5.2	P 4.76	0.14	4.2 - 5.2	P 4.70	0.10	20
Beckman Olympus bic/no SB & Beckm Olym AU 400/600/5400	12	3.8 - 4.6	P 4.19	0.14	3.6 - 4.4	P 4.04	0.11	6.5 - 7.9	P 7.20	0.19	4.4 - 5.4	P 4.88	0.15	4.3 - 5.2	P 4.73	0.14	56
Roche Cobas SB & Roche Cobas 6000	13	3.9 - 4.8	P 4.32	0.19	3.8 - 4.7	P 4.23	0.09	6.6 - 8.1	P 7.32	0.24	4.6 - 5.6	P 5.07	0.12	4.4 - 5.3	P 4.86	0.21	10
Roche Cobas SB & Roche Cobas Integra	14	3.8 - 4.7	P 4.23	0.12	3.7 - 4.5	P 4.10	0.12	6.5 - 8.0	P 7.24	0.21	4.4 - 5.4	P 4.93	0.12	4.3 - 5.3	P 4.80	0.12	26
SDI Biomed & SDI CA-240, 480	15	4.3 - 5.2	P 4.74	0.18	4.1 - 5.0	P 4.58	0.17	7.1 - 8.7	P 7.87	0.27	4.9 - 6.0	P 5.45	0.20	4.8 - 5.8	P 5.30	0.20	18
Siemens biuret based & Siemens Dimension Xpand	16	4.0 - 4.8	P 4.40	0.08	3.8 - 4.6	P 4.22	0.09	6.9 - 8.4	P 7.63	0.16	4.6 - 5.6	P 5.13	0.09	4.5 - 5.5	P 4.98	0.11	23
Siemens biuret based & Siemens Advia series	17	4.0 - 4.8	P 4.41	0.11	3.8 - 4.7	P 4.25	0.11	6.7 - 8.2	P 7.48	0.20	4.6 - 5.6	P 5.12	0.13	4.5 - 5.4	P 4.95	0.14	13
Siemens Dimension bic/SB & Siemens Dimension Rxl	18	4.0 - 4.9	P 4.46	0.09	3.9 - 4.7	P 4.31	0.10	7.0 - 8.5	P 7.75	0.10	4.7 - 5.8	P 5.24	0.09	4.6 - 5.6	P 5.07	0.08	18
Siemens Dimension bic/SB & Siemens Dimension EXL	19	3.9 - 4.8	P 4.36	0.07	3.8 - 4.6	P 4.22	0.08	6.9 - 8.4	P 7.61	0.10	4.6 - 5.6	P 5.11	0.08	4.5 - 5.5	P 4.95	0.07	22
Siemens Dimension bic/SB & Siemens Dimension ser	20	3.9 - 4.8	P 4.38	0.11	3.8 - 4.7	P 4.23	0.11	6.9 - 8.4	P 7.64	0.16	4.6 - 5.7	P 5.14	0.12	4.5 - 5.5	P 4.98	0.12	48
Siemens Dimension bic/SB & Siemens Dimension Xpand	21	4.0 - 4.8	P 4.40	0.11	3.8 - 4.7	P 4.27	0.12	6.9 - 8.4	P 7.66	0.19	4.6 - 5.7	P 5.16	0.14	4.5 - 5.5	P 5.00	0.12	69
Initial Grouping by Reagent																	
All refractometers	22	5.5 - 6.8	P 6.16	0.13	5.3 - 6.5	P 5.91	0.15	8.6 - 10.5	P 9.51	0.12	6.2 - 7.6	P 6.88	0.14	5.9 - 7.3	P 6.61	0.13	312
Abbott bic/no SB	23	3.8 - 4.7	P 4.25	0.09	3.7 - 4.5	P 4.11	0.09	6.7 - 8.1	P 7.40	0.12	4.5 - 5.5	P 4.98	0.10	4.4 - 5.3	P 4.84	0.09	25
Alfa Wassermann bic/no SB	24	3.9 - 4.7	P 4.32	0.12	3.8 - 4.6	P 4.17	0.13	6.7 - 8.1	P 7.39	0.18	4.5 - 5.5	P 5.04	0.13	4.4 - 5.4	P 4.88	0.17	59
Beckman rate	25	3.8 - 4.6	P 4.20	0.13	3.6 - 4.4	P 4.02	0.10	6.5 - 7.9	P 7.22	0.21	4.4 - 5.3	P 4.85	0.14	4.2 - 5.2	P 4.71	0.17	21
Beckman unc	26	3.8 - 4.6	P 4.18	0.13	3.6 - 4.4	P 3.99	0.11	6.5 - 7.9	P 7.18	0.19	4.4 - 5.3	P 4.86	0.16	4.2 - 5.1	P 4.64	0.15	59
Carolina rate	27	3.8 - 4.6	P 4.21	0.24	3.7 - 4.5	P 4.06	0.23	6.5 - 7.9	P 7.20	0.29	4.4 - 5.4	P 4.87	0.24	4.2 - 5.2	P 4.70	0.29	28
Clinical Dat ATAC bic/no SB	28	3.9 - 4.8	P 4.33	0.12	3.9 - 4.7	P 4.29	0.19	6.8 - 8.3	P 7.57	0.20	4.6 - 5.6	P 5.11	0.18	4.4 - 5.4	P 4.91	0.23	11
Clinical Data Envoy	29	3.9 - 4.8	P 4.37	0.13	3.8 - 4.6	P 4.18	0.14	6.7 - 8.1	P 7.40	0.09	4.5 - 5.5	P 5.01	0.06	4.4 - 5.3	P 4.86	0.09	14
DCL/Genzyme unc	30	4.0 - 4.9	P 4.46	0.13	3.9 - 4.7	P 4.28	0.13	6.7 - 8.3	P 7.50	0.27	4.6 - 5.7	P 5.16	0.17	4.5 - 5.5	P 5.00	0.16	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	
Horiba ABX	31	4.0 - 4.9	P 4.43	0.07	3.8 - 4.7	P 4.25	0.05	6.8 - 8.3	P 7.51	0.11	4.6 - 5.7	P 5.15	0.08	4.5 - 5.5	P 4.96	0.07	11
J&J Vitros unc	32	3.7 - 4.6	P 4.16	0.11	3.6 - 4.5	P 4.05	0.12	6.1 - 7.5	P 6.79	0.16	4.3 - 5.3	P 4.79	0.13	4.2 - 5.2	P 4.70	0.12	97
Beckman Olympus bic/no SB	33	3.8 - 4.6	P 4.19	0.13	3.6 - 4.4	P 4.04	0.11	6.5 - 7.9	P 7.20	0.19	4.4 - 5.4	P 4.89	0.15	4.3 - 5.2	P 4.73	0.14	63
Pointe Sci unc	34	4.0 - 4.9	P 4.46	0.28	3.9 - 4.7	P 4.31	0.27	6.8 - 8.3	P 7.57	0.48	4.7 - 5.7	P 5.18	0.38	4.5 - 5.5	P 5.02	0.33	17
Roche Cobas SB	35	3.8 - 4.7	P 4.26	0.13	3.7 - 4.5	P 4.14	0.11	6.5 - 8.0	P 7.27	0.20	4.5 - 5.5	P 4.97	0.13	4.3 - 5.3	P 4.82	0.14	51
SDI Biomed	36	4.3 - 5.2	P 4.74	0.18	4.1 - 5.0	P 4.58	0.17	7.1 - 8.7	P 7.87	0.27	4.9 - 6.0	P 5.45	0.20	4.8 - 5.8	P 5.30	0.20	18
Siemens biuret based	37	4.0 - 4.9	P 4.42	0.10	3.8 - 4.7	P 4.25	0.11	6.9 - 8.4	P 7.62	0.20	4.6 - 5.7	P 5.15	0.11	4.5 - 5.5	P 4.99	0.13	45
Siemens Dimension bic/SB	38	4.0 - 4.8	P 4.39	0.11	3.8 - 4.7	P 4.26	0.11	6.9 - 8.4	P 7.66	0.17	4.6 - 5.7	P 5.16	0.12	4.5 - 5.5	P 4.99	0.11	158
Initial Grouping by Sensitivity or Principle																	
All refractometer users	39	5.5 - 6.8	P 6.16	0.13	5.3 - 6.5	P 5.91	0.15	8.6 - 10.5	P 9.51	0.12	6.2 - 7.6	P 6.88	0.14	5.9 - 7.3	P 6.61	0.13	312
Bichromatic-no sam blanks	40	3.9 - 4.7	P 4.31	0.14	3.7 - 4.6	P 4.16	0.14	6.7 - 8.1	P 7.40	0.22	4.5 - 5.5	P 5.02	0.16	4.4 - 5.3	P 4.86	0.17	251
Bichromatic-sample blanked	41	4.0 - 4.8	P 4.39	0.11	3.8 - 4.7	P 4.25	0.11	6.9 - 8.4	P 7.64	0.18	4.6 - 5.7	P 5.15	0.12	4.5 - 5.5	P 4.99	0.11	169
Just sample blanked	42	3.8 - 4.7	P 4.27	0.13	3.7 - 4.6	P 4.14	0.12	6.5 - 8.0	P 7.27	0.20	4.5 - 5.5	P 4.97	0.13	4.3 - 5.3	P 4.82	0.14	52
Rate	43	3.8 - 4.6	P 4.21	0.19	3.6 - 4.5	P 4.05	0.18	6.5 - 7.9	P 7.21	0.26	4.4 - 5.4	P 4.87	0.20	4.2 - 5.2	P 4.71	0.24	51
Uncorrected	44	3.8 - 4.7	P 4.27	0.23	3.7 - 4.5	P 4.13	0.22	6.4 - 7.8	P 7.14	0.42	4.4 - 5.4	P 4.94	0.27	4.3 - 5.3	P 4.79	0.26	230
Total Population																	
Whole Population	45	4.4 - 5.3	P 4.84	0.86	4.2 - 5.1	P 4.66	0.81	7.2 - 8.8	P 7.98	1.02	5.0 - 6.1	P 5.55	0.87	4.8 - 5.9	P 5.37	0.82	1068

Triglycerides

Initial Grouping by Reagent and Instrument

Abbott gly-unc/GPO & Abbott Architect c, ci, i	1	88.0 - 146.0	P 117.2	1.7	84.0 - 140.0	P 111.6	1.6	126.0 - 211.0	P 168.5	2.1	96.0 - 159.0	P 127.5	1.8	91.0 - 152.0	P 121.2	1.9	25
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	87.0 - 145.0	P 116.1	4.9	85.0 - 141.0	P 113.2	4.1	126.0 - 210.0	P 168.2	6.6	96.0 - 160.0	P 128.0	5.8	93.0 - 156.0	P 124.5	5.2	54
Beckman GPO glycerol-unc & Beckman Unicel DXC series	3	91.0 - 152.0	P 121.9	3.4	85.0 - 141.0	P 113.0	4.0	135.0 - 225.0	P 180.4	5.2	99.0 - 165.0	P 132.3	3.5	93.0 - 155.0	P 123.7	2.8	51
Carolina & Beckman Synchron CX3/7/9/L	4	91.0 - 152.0	P 121.3	11.2	87.0 - 145.0	P 115.8	14.3	132.0 - 220.0	P 176.1	24.7	100.0 - 166.0	P 132.8	16.9	92.0 - 153.0	P 122.8	17.2	17
Clinical Data ATAC & Vital Diag CI Data ATAC8000	5	93.0 - 155.0	P 124.2	7.7	87.0 - 146.0	P 116.6	10.4	131.0 - 218.0	P 174.4	11.3	100.0 - 167.0	P 133.6	8.2	92.0 - 153.0	P 122.3	9.2	11
Clinical Data Envoy & Vital Diagnostics Envoy	6	95.0 - 158.0	P 126.4	6.0	90.0 - 150.0	P 119.9	7.4	135.0 - 226.0	P 180.5	11.5	100.0 - 167.0	P 133.9	3.6	96.0 - 160.0	P 127.9	6.7	12
J&J Vitros & J&J Vitros not DT or ECi	7	100.0 - 167.0	P 133.3	4.6	92.0 - 153.0	P 122.6	4.5	149.0 - 249.0	P 199.2	6.4	108.0 - 181.0	P 144.5	4.3	100.0 - 167.0	P 133.3	4.6	58
J&J Vitros & J&J Vitros 5,1 FS	8	94.0 - 157.0	P 125.5	5.1	87.0 - 144.0	P 115.6	4.9	142.0 - 236.0	P 189.0	6.7	102.0 - 170.0	P 136.2	5.3	94.0 - 157.0	P 125.4	4.9	20
Beckman Olympus & Beckm Olym AU 400/600/5400	9	90.0 - 150.0	P 119.6	3.4	84.0 - 139.0	P 111.6	3.7	128.0 - 213.0	P 170.8	4.5	97.0 - 162.0	P 129.2	3.7	90.0 - 150.0	P 120.2	4.0	50
Pointe Sci gly-unc/GPO & Pointe Sci 180/Sterl 2000	10	72.0 - 120.0	P 96.3	6.9	73.0 - 121.0	P 96.8	6.2	115.0 - 192.0	P 153.3	8.3	85.0 - 141.0	P 112.7	7.1	82.0 - 137.0	P 109.7	7.2	19
Roche Cobas & Roche Cobas 6000	11	92.0 - 154.0	P 122.9	3.1	87.0 - 145.0	P 116.1	3.7	131.0 - 218.0	P 174.5	4.7	100.0 - 166.0	P 132.8	4.3	94.0 - 157.0	P 125.4	3.2	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	
Roche Cobas	34	89.0 - 149.0 P	119.3	4.3	85.0 - 142.0 P	113.2	4.0	214.0 P	171.2	5.9	97.0 - 162.0 P	129.5	4.5	92.0 - 154.0 P	122.9	4.4	48
SDI Biomed	35	93.0 - 155.0 P	124.1	5.4	92.0 - 153.0 P	122.3	3.6	145.0 - 242.0 P	193.7	9.9	107.0 - 178.0 P	142.7	7.0	104.0 - 173.0 P	138.1	6.5	15
Siemens gly-unc/GPO	36	90.0 - 150.0 P	120.3	2.7	84.0 - 140.0 P	112.1	2.8	130.0 - 216.0 P	173.2	4.1	97.0 - 162.0 P	129.6	3.6	90.0 - 151.0 P	120.5	3.4	94
Siemens Express	37	90.0 - 150.0 P	120.0	3.1	84.0 - 139.0 P	111.5	3.3	130.0 - 217.0 P	173.3	3.8	97.0 - 162.0 P	129.8	3.5	90.0 - 151.0 P	120.5	3.6	100
Sterling gly-unc/vis/GPO	38	84.0 - 139.0 P	111.5	4.5	83.0 - 138.0 P	110.2	5.3	127.0 - 212.0 P	169.8	7.8	93.0 - 155.0 P	123.8	5.8	92.0 - 153.0 P	122.4	5.3	26
Initial Grouping by Sensitivity or Principle																	
Gly-cor/visible/GPO-based	39	89.0 - 149.0 P	119.2	4.5	84.0 - 140.0 P	111.8	4.1	129.0 - 214.0 P	171.5	11.5	99.0 - 165.0 P	132.1	13.9	93.0 - 155.0 P	123.8	12.4	24
Gly-unc/visible/GPO-based	40	90.0 - 149.0 P	119.4	10.4	85.0 - 141.0 P	112.7	8.7	132.0 - 220.0 P	176.0	14.6	98.0 - 163.0 P	130.7	10.5	92.0 - 154.0 P	122.9	9.1	579
Gly-unc/visible/INT-based	41	85.0 - 142.0 P	113.9	8.8	83.0 - 139.0 P	111.2	7.7	125.0 - 208.0 P	166.5	8.9	94.0 - 157.0 P	125.8	8.7	92.0 - 153.0 P	122.7	7.9	64
Gly-unc/340nm/GDH-based	42	90.0 - 150.0 P	120.0	3.1	84.0 - 139.0 P	111.5	3.3	130.0 - 217.0 P	173.3	3.8	97.0 - 162.0 P	129.8	3.5	90.0 - 151.0 P	120.5	3.6	100
Total Population																	
Whole Population	43	89.0 - 149.0 P	119.3	9.2	84.0 - 141.0 P	112.5	7.9	131.0 - 219.0 P	174.8	13.4	98.0 - 163.0 P	130.1	9.3	92.0 - 153.0 P	122.4	8.0	780

Urea Nitrogen (BUN)

Initial Grouping by Reagent and Instrument

Abbott GLDH-rate & Abbott Architect c, ci, i	1	12.0 - 16.0 C	13.5	0.6	25.0 - 30.0 P	27.7	0.7	16.0 - 20.0 C	18.1	0.5	20.0 - 24.0 C	22.0	0.3	33.0 - 39.0 P	36.1	0.7	23
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	12.0 - 16.0 C	13.7	0.9	26.0 - 31.0 P	28.9	1.3	16.0 - 20.0 C	18.4	1.0	21.0 - 25.0 P	22.7	1.2	34.0 - 41.0 P	37.6	1.5	62
Beckman GLDH-rate & Beckman Unicel DXC series	3	12.0 - 16.0 C	14.2	0.5	26.0 - 31.0 P	28.7	1.0	17.0 - 21.0 C	18.9	0.5	21.0 - 25.0 P	22.6	0.6	34.0 - 40.0 P	36.9	0.9	52
Beckman GLDH-rate & Beckman Synchron CX4/CX5	4	12.0 - 16.0 C	14.0	0.0	26.0 - 32.0 P	28.9	0.6	17.0 - 21.0 C	19.0	0.0	21.0 - 25.0 P	22.9	0.6	34.0 - 41.0 P	37.9	1.2	10
Carolina & Beckman Synchron CX3/7/9/L	5	11.0 - 15.0 C	13.2	1.3	25.0 - 31.0 P	28.0	1.1	16.0 - 20.0 C	17.8	1.1	20.0 - 24.0 C	21.8	0.9	33.0 - 40.0 P	36.5	1.2	19
Clinical Dat ATAC GLDH-rate & Vital Diag CI Data ATAC8000	6	12.0 - 16.0 C	13.5	0.5	25.0 - 31.0 P	28.0	1.2	17.0 - 21.0 C	18.8	1.0	20.0 - 24.0 C	22.0	0.9	33.0 - 40.0 P	36.3	1.3	11
Clinical Data Envoy & Vital Diagnostics Envoy	7	13.0 - 17.0 C	14.8	0.8	27.0 - 32.0 P	29.2	1.0	18.0 - 22.0 C	19.6	0.8	21.0 - 25.0 P	23.2	0.9	34.0 - 41.0 P	37.6	1.4	12
DCL/Genzyme & Roche Cobas Mira series	8	12.0 - 16.0 C	14.2	1.1	26.0 - 32.0 P	29.1	2.3	17.0 - 21.0 C	18.6	1.4	21.0 - 25.0 P	23.1	1.1	34.0 - 41.0 P	37.6	3.4	10
Horiba ABX & Horiba ABX Pentra 400	9	12.0 - 16.0 C	13.7	0.5	26.0 - 31.0 P	28.3	1.0	16.0 - 20.0 C	18.5	0.5	20.0 - 24.0 C	22.2	0.8	33.0 - 40.0 P	36.6	1.0	11
J&J Vitros & J&J Vitros not DT or ECi	10	10.0 - 14.0 C	12.2	0.5	22.0 - 26.0 P	24.0	0.6	14.0 - 18.0 C	16.3	0.5	17.0 - 21.0 C	19.3	0.6	28.0 - 33.0 P	30.6	0.8	70
J&J Vitros & J&J Vitros 5,1 FS	11	10.0 - 14.0 C	11.8	0.4	21.0 - 25.0 P	23.2	0.7	14.0 - 18.0 C	15.8	0.5	16.0 - 20.0 C	18.5	0.6	27.0 - 32.0 P	29.6	0.7	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	SD		
Beckman Olympus & Beckm Olym AU 400/600/5400	12	12.0 - 16.0	C	13.6	0.6	26.0 - 31.0	P	28.1	1.0	16.0 - 20.0	C	18.0	0.8	20.0 - 24.0	C	22.0	0.8	33.0 - 40.0	P	36.4	1.4	55
Roche Cobas & Roche Cobas 6000	13	11.0 - 15.0	C	13.4	0.5	25.0 - 30.0	P	27.8	1.0	16.0 - 20.0	C	17.6	0.7	20.0 - 24.0	C	21.9	0.9	33.0 - 39.0	P	36.0	1.5	10
Roche Cobas & Roche Cobas Integra	14	11.0 - 15.0	C	13.2	0.7	25.0 - 29.0	P	27.0	1.0	16.0 - 20.0	C	17.5	0.6	19.0 - 23.0	C	21.3	0.8	32.0 - 39.0	P	35.4	1.3	26
SDI Biomed & SDI CA-240, 480	15	13.0 - 17.0	C	14.6	1.0	27.0 - 33.0	P	29.9	1.8	17.0 - 21.0	C	19.3	1.3	21.0 - 25.0	P	23.2	1.5	34.0 - 41.0	P	37.7	2.7	18
Siemens GLDH-rate & Siemens Dimension Rxl	16	12.0 - 16.0	C	13.7	0.8	26.0 - 31.0	P	28.6	1.1	16.0 - 20.0	C	18.4	1.0	20.0 - 24.0	P	22.3	0.9	34.0 - 40.0	P	37.1	1.7	23
Siemens GLDH-rate & Siemens Dimension EXL	17	12.0 - 16.0	C	13.9	0.9	26.0 - 31.0	P	28.6	1.0	17.0 - 21.0	C	18.5	0.8	20.0 - 24.0	P	22.2	0.7	34.0 - 41.0	P	37.3	1.2	24
Siemens GLDH-rate & Siemens Dimension ser	18	11.0 - 15.0	C	13.5	0.7	26.0 - 31.0	P	28.3	1.0	16.0 - 20.0	C	18.1	0.7	20.0 - 24.0	C	22.0	0.9	33.0 - 40.0	P	36.7	1.2	47
Siemens GLDH-rate & Siemens Dimension Xpand	19	12.0 - 16.0	C	13.6	0.6	26.0 - 31.0	P	28.3	0.9	16.0 - 20.0	C	18.1	0.7	20.0 - 24.0	C	22.0	0.8	33.0 - 40.0	P	36.6	1.2	85
Initial Grouping by Reagent																						
Abbott GLDH-rate	20	12.0 - 16.0	C	13.5	0.6	25.0 - 30.0	P	27.7	0.7	16.0 - 20.0	C	18.1	0.5	20.0 - 24.0	C	22.0	0.4	33.0 - 39.0	P	36.1	0.7	24
Alfa Wassermann	21	12.0 - 16.0	C	13.7	0.9	26.0 - 31.0	P	28.9	1.3	16.0 - 20.0	C	18.4	1.0	21.0 - 25.0	P	22.7	1.2	34.0 - 41.0	P	37.6	1.5	62
Beckman NH4 ISE urease	22	10.0 - 14.0	C	12.5	1.4	25.0 - 30.0	P	27.2	1.7	15.0 - 19.0	C	16.7	1.6	19.0 - 23.0	C	20.8	1.7	33.0 - 39.0	P	35.8	2.0	13
Beckman GLDH-rate	23	12.0 - 16.0	C	14.2	0.6	26.0 - 31.0	P	28.7	0.9	17.0 - 21.0	C	18.8	0.7	21.0 - 25.0	P	22.6	0.7	34.0 - 40.0	P	37.0	1.0	70
Carolina	24	12.0 - 16.0	C	13.5	1.2	26.0 - 31.0	P	28.3	1.5	16.0 - 20.0	C	18.3	1.4	20.0 - 24.0	P	22.3	1.4	33.0 - 40.0	P	36.8	1.9	32
Clinical Dat ATAC GLDH-rate	25	12.0 - 16.0	C	13.5	0.5	25.0 - 31.0	P	28.0	1.2	17.0 - 21.0	C	18.8	1.0	20.0 - 24.0	C	22.0	0.9	33.0 - 40.0	P	36.3	1.3	11
Clinical Data Envoy	26	13.0 - 17.0	C	14.8	0.7	27.0 - 32.0	P	29.1	0.9	18.0 - 22.0	C	19.5	0.8	21.0 - 25.0	P	23.2	0.9	34.0 - 41.0	P	37.6	1.3	14
DCL/Genzyme	27	12.0 - 16.0	C	14.3	1.0	27.0 - 32.0	P	29.1	1.6	17.0 - 21.0	C	19.1	1.4	21.0 - 25.0	P	23.1	1.0	35.0 - 42.0	P	38.1	3.1	22
Horiba ABX	28	12.0 - 16.0	C	13.7	0.5	26.0 - 31.0	P	28.3	1.0	16.0 - 20.0	C	18.5	0.5	20.0 - 24.0	C	22.2	0.8	33.0 - 40.0	P	36.6	1.0	11
J&J Vitros	29	10.0 - 14.0	C	12.0	0.5	22.0 - 26.0	P	23.8	0.7	14.0 - 18.0	C	16.2	0.6	17.0 - 21.0	C	19.1	0.7	28.0 - 33.0	P	30.3	0.9	106
Beckman Olympus	30	12.0 - 16.0	C	13.6	0.6	26.0 - 31.0	P	28.1	1.0	16.0 - 20.0	C	18.0	0.8	20.0 - 24.0	C	22.0	0.8	33.0 - 40.0	P	36.5	1.4	62
Pointe Sci	31	12.0 - 16.0	C	14.4	1.3	27.0 - 32.0	P	29.4	1.9	17.0 - 21.0	C	19.4	1.5	21.0 - 25.0	P	23.1	1.6	35.0 - 42.0	P	38.6	2.2	14
Roche Cobas	32	11.0 - 15.0	C	13.3	0.7	25.0 - 30.0	P	27.3	1.2	16.0 - 20.0	C	17.6	0.8	19.0 - 23.0	C	21.4	0.9	32.0 - 39.0	P	35.7	1.6	55
SDI Biomed	33	13.0 - 17.0	C	14.6	1.0	27.0 - 33.0	P	29.9	1.8	17.0 - 21.0	C	19.3	1.3	21.0 - 25.0	P	23.2	1.5	34.0 - 41.0	P	37.7	2.7	18
Siemens GLDH-endpt	34	12.0 - 16.0	C	13.8	0.7	26.0 - 31.0	P	28.2	0.9	16.0 - 20.0	C	18.2	0.9	21.0 - 25.0	P	22.5	1.1	34.0 - 40.0	P	37.2	1.3	13
Siemens GLDH-rate	35	12.0 - 16.0	C	13.6	0.7	26.0 - 31.0	P	28.4	1.0	16.0 - 20.0	C	18.2	0.8	20.0 - 24.0	C	22.1	0.8	34.0 - 40.0	P	36.8	1.3	189
Initial Grouping by Sensitivity or Principle																						
Ammonia (NH3) diffusion	36	10.0 - 14.0	C	12.0	0.5	22.0 - 26.0	P	23.8	0.7	14.0 - 18.0	C	16.2	0.6	17.0 - 21.0	C	19.1	0.7	28.0 - 33.0	P	30.3	0.9	106
Electrochemical-all methods	37	11.0 - 15.0	C	12.8	1.8	25.0 - 30.0	P	27.2	1.7	15.0 - 19.0	C	16.7	1.6	19.0 - 23.0	C	20.8	1.7	33.0 - 39.0	P	35.8	2.0	14
Glutamate DH-endpoint meths	38	12.0 - 16.0	C	13.6	1.2	26.0 - 31.0	P	28.1	1.4	16.0 - 20.0	C	18.2	1.2	20.0 - 24.0	C	22.2	1.3	33.0 - 40.0	P	36.6	1.8	33
Glutamate DH-rate methods	39	12.0 - 16.0	C	13.8	1.1	26.0 - 31.0	P	28.4	2.0	16.0 - 20.0	C	18.4	1.5	20.0 - 24.0	P	22.3	1.5	34.0 - 40.0	P	36.9	2.5	628
Total Population																						
Whole Population	40	12.0 - 16.0	C	13.5	1.1	25.0 - 30.0	P	27.7	2.0	16.0 - 20.0	C	18.0	1.2	20.0 - 24.0	C	21.8	1.5	33.0 - 39.0	P	35.9	2.7	794

Uric Acid

Initial Grouping by Reagent and Instrument

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	
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	4.6 - 6.5	P 5.53	0.09	8.2 - 11.6	P 9.92	0.09	2.7 - 3.7	P 3.20	0.08	5.9 - 8.3	P 7.13	0.09	9.6 - 13.6	P 11.59	0.11	23
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	4.9 - 6.9	P 5.93	0.23	8.4 - 11.8	P 10.08	0.37	3.4 - 4.8	P 4.09	0.22	6.0 - 8.5	P 7.28	0.31	9.9 - 13.9	P 11.88	0.42	37
Beckman & Beckman Unicel DXC series	3	4.5 - 6.3	P 5.37	0.11	7.9 - 11.1	P 9.52	0.17	2.6 - 3.6	P 3.11	0.07	5.7 - 8.1	P 6.89	0.12	9.3 - 13.1	P 11.19	0.24	58
Carolina & Beckman Synchron CX3/7/9/L	4	4.3 - 6.0	P 5.17	0.27	7.8 - 11.0	P 9.44	0.42	2.4 - 3.3	P 2.86	0.11	5.6 - 7.8	P 6.69	0.25	9.2 - 13.0	P 11.14	0.46	16
Clinical Data Envoy & Vital Diagnostics Envoy	5	4.7 - 6.7	P 5.71	0.19	8.4 - 11.9	P 10.17	0.29	2.6 - 3.6	P 3.09	0.15	6.0 - 8.5	P 7.27	0.29	9.8 - 13.8	P 11.81	0.37	10
J&J Vitros & J&J Vitros not DT or ECi	6	4.7 - 6.6	P 5.64	0.14	8.0 - 11.3	P 9.65	0.22	2.6 - 3.6	P 3.10	0.10	5.8 - 8.2	P 7.03	0.17	9.3 - 13.1	P 11.18	0.26	51
J&J Vitros & J&J Vitros 5,1 FS	7	4.7 - 6.7	P 5.71	0.11	8.2 - 11.5	P 9.82	0.16	2.6 - 3.7	P 3.13	0.10	5.9 - 8.3	P 7.11	0.19	9.4 - 13.3	P 11.35	0.17	18
Beckman Olympus & Beckm Olym AU 400/600/5400	8	5.1 - 7.2	P 6.18	0.11	8.9 - 12.6	P 10.75	0.17	2.8 - 3.9	P 3.35	0.07	6.4 - 9.1	P 7.75	0.13	10.2 - 14.4	P 12.33	0.20	47
Roche Cobas & Roche Cobas 6000	9	4.7 - 6.7	P 5.72	0.22	8.3 - 11.7	P 10.03	0.37	2.5 - 3.6	P 3.06	0.13	5.9 - 8.4	P 7.15	0.30	9.6 - 13.5	P 11.55	0.42	11
Roche Cobas & Roche Cobas Integra	10	4.6 - 6.5	P 5.52	0.14	8.1 - 11.5	P 9.81	0.23	2.5 - 3.5	P 2.97	0.09	5.8 - 8.2	P 7.01	0.18	9.4 - 13.2	P 11.30	0.25	24
SDI Biomed & SDI CA-240, 480	11	5.2 - 7.4	P 6.31	0.24	9.5 - 13.4	P 11.41	0.41	3.0 - 4.2	P 3.56	0.11	6.8 - 9.6	P 8.18	0.34	11.3 - 15.9	P 13.63	0.63	17
Siemens Advia & Siemens Advia series	12	4.7 - 6.7	P 5.71	0.09	8.3 - 11.7	P 10.02	0.22	2.6 - 3.6	P 3.10	0.06	6.0 - 8.4	P 7.22	0.12	9.6 - 13.6	P 11.61	0.29	12
Siemens Dimension & Siemens Dimension Rxl	13	4.7 - 6.6	P 5.66	0.13	8.2 - 11.6	P 9.89	0.14	2.6 - 3.7	P 3.17	0.07	5.9 - 8.3	P 7.07	0.13	9.4 - 13.2	P 11.30	0.15	19
Siemens Dimension & Siemens Dimension EXL	14	4.6 - 6.6	P 5.60	0.12	8.1 - 11.4	P 9.78	0.21	2.6 - 3.6	P 3.10	0.10	5.8 - 8.2	P 7.04	0.19	9.3 - 13.1	P 11.22	0.27	23
Siemens Dimension & Siemens Dimension ser	15	4.6 - 6.5	P 5.60	0.12	8.1 - 11.4	P 9.76	0.17	2.5 - 3.6	P 3.07	0.11	5.8 - 8.2	P 7.04	0.13	9.3 - 13.1	P 11.23	0.15	40
Siemens Dimension & Siemens Dimension Xpand	16	4.7 - 6.6	P 5.62	0.13	8.1 - 11.4	P 9.77	0.16	2.6 - 3.6	P 3.08	0.10	5.9 - 8.3	P 7.06	0.15	9.3 - 13.2	P 11.24	0.21	70
Initial Grouping by Reagent																	
Abbott Aeroset/Architect	17	4.6 - 6.5	P 5.53	0.09	8.2 - 11.6	P 9.92	0.09	2.7 - 3.7	P 3.20	0.08	5.9 - 8.3	P 7.13	0.09	9.6 - 13.6	P 11.59	0.11	23
Alfa Wassermann	18	4.9 - 6.9	P 5.93	0.23	8.4 - 11.8	P 10.08	0.37	3.4 - 4.8	P 4.09	0.22	6.0 - 8.5	P 7.28	0.31	9.9 - 13.9	P 11.88	0.42	37
Beckman	19	4.5 - 6.3	P 5.39	0.11	7.9 - 11.1	P 9.52	0.17	2.6 - 3.7	P 3.13	0.08	5.7 - 8.1	P 6.91	0.14	9.3 - 13.1	P 11.19	0.23	78
Carolina	20	4.3 - 6.1	P 5.19	0.24	7.8 - 11.0	P 9.41	0.34	2.4 - 3.4	P 2.93	0.19	5.6 - 7.8	P 6.71	0.22	9.2 - 13.0	P 11.11	0.38	28
Clinical Data Envoy	21	4.7 - 6.7	P 5.71	0.19	8.4 - 11.9	P 10.17	0.29	2.6 - 3.6	P 3.09	0.15	6.0 - 8.5	P 7.27	0.29	9.8 - 13.8	P 11.81	0.37	10
DCL/Genzyme	22	4.8 - 6.8	P 5.84	0.21	8.8 - 12.4	P 10.58	0.50	2.8 - 4.0	P 3.43	0.47	6.2 - 8.8	P 7.52	0.24	10.5 - 14.8	P 12.61	0.67	14
J&J Vitros	23	4.7 - 6.6	P 5.67	0.14	8.1 - 11.4	P 9.71	0.22	2.6 - 3.6	P 3.12	0.10	5.9 - 8.3	P 7.07	0.18	9.3 - 13.2	P 11.24	0.26	82
Beckman Olympus	24	5.1 - 7.2	P 6.19	0.11	8.9 - 12.6	P 10.75	0.17	2.8 - 3.9	P 3.35	0.06	6.4 - 9.1	P 7.75	0.12	10.2 - 14.4	P 12.32	0.19	53
Pointe Sci	25	4.9 - 6.8	P 5.85	0.43	8.7 - 12.2	P 10.42	0.84	2.8 - 4.0	P 3.39	0.28	6.2 - 8.8	P 7.50	0.53	10.2 - 14.4	P 12.32	0.96	18
Roche Cobas	26	4.6 - 6.5	P 5.59	0.22	8.2 - 11.5	P 9.86	0.33	2.5 - 3.5	P 3.00	0.12	5.9 - 8.3	P 7.08	0.28	9.4 - 13.3	P 11.34	0.47	48
SDI Biomed	27	5.2 - 7.4	P 6.31	0.24	9.5 - 13.4	P 11.41	0.41	3.0 - 4.2	P 3.56	0.11	6.8 - 9.6	P 8.18	0.34	11.3 - 15.9	P 13.63	0.63	17
Siemens Advia	28	4.7 - 6.7	P 5.71	0.09	8.3 - 11.7	P 10.02	0.22	2.6 - 3.6	P 3.10	0.06	6.0 - 8.4	P 7.22	0.12	9.6 - 13.6	P 11.61	0.29	12
Siemens Dimension	29	4.7 - 6.6	P 5.61	0.13	8.1 - 11.4	P 9.79	0.17	2.6 - 3.6	P 3.09	0.10	5.9 - 8.2	P 7.05	0.15	9.3 - 13.2	P 11.24	0.20	152
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		
Endpt-corrected(bic or SB)	30	4.8 - 6.8	P 5.80	0.32	8.3 - 11.8	P 10.06	0.48		2.7 - 3.9	P 3.31	0.38		6.0 - 8.5	P 7.26	0.35		9.7 - 13.6	P 11.65	0.53	243		
Endpoint-uncorrected	31	4.9 - 6.9	P 5.86	0.45	8.7 - 12.3	P 10.49	0.82		2.8 - 3.9	P 3.36	0.33		6.3 - 8.8	P 7.54	0.56		10.3 - 14.5	P 12.40	1.05	84		
Rate	32	4.6 - 6.5	P 5.51	0.21	8.0 - 11.3	P 9.69	0.27		2.6 - 3.6	P 3.07	0.13		5.8 - 8.2	P 6.99	0.21		9.3 - 13.1	P 11.23	0.29	308		
Total Population																						
Whole Population	33	4.7 - 6.6	P 5.67	0.33	8.2 - 11.6	P 9.94	0.53		2.6 - 3.7	P 3.19	0.29		5.9 - 8.4	P 7.17	0.38		9.6 - 13.5	P 11.55	0.66	639		

Alanine Aminotransferase (ALT or SGPT)

Initial Grouping by Reagent and Instrument

Abbott no P5P & Abbott Architect c, ci, i	1	33.0 - 50.0	P 41.5	2.3	108.0 - 162.0	P 134.7	6.1		63.0 - 95.0	P 79.0	3.4		78.0 - 117.0	P 97.4	4.5		155.0 - 233.0	P 194.0	8.5	26
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	32.0 - 48.0	P 39.6	3.9	97.0 - 146.0	P 121.5	9.1		57.0 - 86.0	P 71.4	5.7		70.0 - 105.0	P 87.9	6.2		138.0 - 207.0	P 172.9	10.0	63
Beckman no P5P & Beckman Unicel DXC series	3	34.0 - 52.0	P 43.0	2.3	107.0 - 160.0	P 133.3	7.0		63.0 - 94.0	P 78.4	4.1		78.0 - 117.0	P 97.2	5.0		152.0 - 228.0	P 189.8	7.2	58
Beckman Olympus & Beckm Olym AU 400/600/5400	4	30.0 - 46.0	P 38.1	2.2	97.0 - 146.0	P 121.5	4.8		56.0 - 84.0	P 70.3	2.8		70.0 - 105.0	P 87.7	3.7		139.0 - 208.0	P 173.6	6.3	55
Carolina & Beckman Synchron CX3/7/9/L	5	32.0 - 47.0	P 39.4	2.8	102.0 - 152.0	P 126.9	7.1		60.0 - 90.0	P 74.9	4.0		74.0 - 111.0	P 92.5	4.3		147.0 - 221.0	P 184.2	7.7	15
Clinical Data ATAC & Vital Diag CI Data ATAC8000	6	33.0 - 49.0	P 41.0	3.2	102.0 - 152.0	P 127.0	8.0		60.0 - 90.0	P 75.3	4.4		73.0 - 109.0	P 91.1	6.8		148.0 - 222.0	P 184.8	9.0	12
Clinical Data Envoy & Vital Diagnostics Envoy	7	36.0 - 54.0	P 44.8	2.4	116.0 - 174.0	P 145.0	5.0		67.0 - 101.0	P 84.2	2.6		82.0 - 124.0	P 103.0	5.6		164.0 - 246.0	P 204.9	8.8	13
Horriba ABX & Horiba ABX Pentra 400	8	38.0 - 56.0	P 47.0	2.1	118.0 - 178.0	P 148.0	7.6		69.0 - 104.0	P 86.3	3.7		86.0 - 129.0	P 107.2	6.1		169.0 - 254.0	P 211.4	9.6	11
J&J Vitros & J&J Vitros not DT or ECi	9	47.0 - 70.0	P 58.2	3.5	124.0 - 186.0	P 155.0	4.2		73.0 - 109.0	P 90.7	4.1		92.0 - 138.0	P 114.8	4.2		172.0 - 258.0	P 215.3	5.3	68
J&J Vitros & J&J Vitros 5,1 FS	10	48.0 - 72.0	P 59.8	2.3	125.0 - 188.0	P 156.2	5.4		75.0 - 112.0	P 93.6	3.9		92.0 - 138.0	P 115.4	2.5		171.0 - 257.0	P 214.1	4.1	20
Roche Cobas & Roche Cobas 6000	11	34.0 - 51.0	P 42.7	2.8	111.0 - 166.0	P 138.5	7.9		64.0 - 96.0	P 80.0	4.1		80.0 - 120.0	P 99.9	4.8		160.0 - 239.0	P 199.4	9.0	10
Roche Cobas & Roche Cobas Integra	12	33.0 - 49.0	P 41.2	2.6	110.0 - 164.0	P 137.0	6.5		62.0 - 93.0	P 77.9	3.3		78.0 - 117.0	P 97.9	4.9		158.0 - 236.0	P 197.0	8.7	23
SDI Biomed & SDI CA-240, 480	13	26.0 - 39.0	P 32.5	3.5	86.0 - 129.0	P 107.9	7.8		51.0 - 76.0	P 63.5	4.1		61.0 - 91.0	P 75.9	4.5		122.0 - 183.0	P 152.8	11.4	18
Siemens no P5P & Siemens Advia series	14	35.0 - 53.0	P 43.8	3.9	109.0 - 163.0	P 135.8	8.2		65.0 - 97.0	P 80.8	4.7		79.0 - 119.0	P 99.2	6.5		156.0 - 234.0	P 195.3	10.8	13
Siemens P5P & Siemens Dimension Xpand	15	47.0 - 70.0	P 58.2	2.2	123.0 - 184.0	P 153.2	7.7		77.0 - 116.0	P 96.5	4.6		92.0 - 138.0	P 115.4	5.2		168.0 - 253.0	P 210.6	9.6	10
Siemens Dimension, DIM CKI & Siemens Dimension Rxl	16	47.0 - 70.0	P 58.5	2.5	123.0 - 184.0	P 153.7	4.3		77.0 - 116.0	P 96.4	3.2		93.0 - 139.0	P 115.9	3.9		169.0 - 254.0	P 211.8	6.7	20
Siemens Dimension, DIM CKI & Siemens Dimension EXL	17	47.0 - 70.0	P 58.1	1.7	124.0 - 186.0	P 154.7	4.0		77.0 - 116.0	P 96.4	3.2		94.0 - 140.0	P 116.9	3.9		170.0 - 255.0	P 212.6	5.0	23
Siemens Dimension, DIM CKI & Siemens Dimension ser	18	47.0 - 71.0	P 59.0	2.1	125.0 - 187.0	P 156.0	5.7		78.0 - 117.0	P 97.2	4.1		94.0 - 141.0	P 117.6	4.5		172.0 - 258.0	P 214.9	7.5	44

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 Xpand	19	47.0 - 70.0	P	58.7	2.6	124.0 - 186.0	P	155.4	5.1	78.0 - 117.0	P	97.9	3.2	94.0 - 141.0	P	117.3	3.8	171.0 - 257.0	P	214.0	6.7	83
Initial Grouping by Reagent																						
Abbott no P5P	20	33.0 - 50.0	P	41.5	2.3	108.0 - 162.0	P	134.7	6.1	63.0 - 95.0	P	79.0	3.4	78.0 - 117.0	P	97.4	4.5	155.0 - 233.0	P	194.0	8.5	26
Alfa Wassermann	21	32.0 - 48.0	P	39.6	3.9	97.0 - 146.0	P	121.5	9.1	57.0 - 86.0	P	71.4	5.7	70.0 - 105.0	P	87.9	6.2	138.0 - 207.0	P	172.9	10.0	63
Beckman no P5P	22	34.0 - 51.0	P	42.4	2.6	105.0 - 158.0	P	131.6	7.2	62.0 - 93.0	P	77.3	4.3	77.0 - 115.0	P	95.7	5.5	150.0 - 225.0	P	187.4	8.3	79
Beckman Olympus	23	30.0 - 45.0	P	37.9	2.2	97.0 - 145.0	P	121.1	4.8	56.0 - 84.0	P	70.0	3.0	70.0 - 105.0	P	87.4	3.8	139.0 - 208.0	P	173.3	6.4	61
Carolina	24	32.0 - 48.0	P	39.8	3.2	103.0 - 155.0	P	128.9	7.9	61.0 - 91.0	P	75.6	4.4	75.0 - 113.0	P	94.0	5.0	149.0 - 224.0	P	186.4	9.9	25
Clinical Data ATAC	25	33.0 - 49.0	P	41.0	3.2	102.0 - 152.0	P	127.0	8.0	60.0 - 90.0	P	75.3	4.4	73.0 - 109.0	P	91.1	6.8	148.0 - 222.0	P	184.8	9.0	12
Clinical Data Envoy	26	36.0 - 53.0	P	44.6	2.4	116.0 - 174.0	P	144.6	5.2	67.0 - 101.0	P	83.9	2.9	82.0 - 123.0	P	102.9	5.5	164.0 - 246.0	P	204.9	8.6	15
DCL/Genzyme	27	32.0 - 48.0	P	40.4	4.2	103.0 - 155.0	P	129.3	9.7	61.0 - 91.0	P	75.8	6.6	74.0 - 111.0	P	92.8	7.3	147.0 - 220.0	P	183.5	14.6	17
Horriba ABX	28	38.0 - 56.0	P	47.0	2.1	118.0 - 178.0	P	148.0	7.6	69.0 - 104.0	P	86.3	3.7	86.0 - 129.0	P	107.2	6.1	169.0 - 254.0	P	211.4	9.6	11
J&J Vitros	29	47.0 - 70.0	P	58.4	3.3	124.0 - 186.0	P	154.9	4.8	73.0 - 109.0	P	91.2	4.1	92.0 - 138.0	P	114.8	4.0	172.0 - 258.0	P	215.0	5.1	101
Pointe Sci 37 deg	30	34.0 - 50.0	P	42.0	5.3	111.0 - 167.0	P	138.9	10.7	65.0 - 98.0	P	81.5	9.3	79.0 - 118.0	P	98.7	9.1	159.0 - 238.0	P	198.4	14.9	16
Roche Cobas	31	33.0 - 50.0	P	41.7	2.7	109.0 - 164.0	P	136.6	7.2	63.0 - 94.0	P	78.3	3.8	78.0 - 118.0	P	98.1	5.3	157.0 - 236.0	P	196.9	9.6	48
Roche/Hitachi no P5P	32	34.0 - 51.0	P	42.1	3.4	109.0 - 164.0	P	136.5	10.4	63.0 - 95.0	P	79.4	5.2	79.0 - 119.0	P	98.9	6.8	158.0 - 237.0	P	197.6	13.0	14
SDI Biomed	33	26.0 - 39.0	P	32.5	3.5	86.0 - 129.0	P	107.9	7.8	51.0 - 76.0	P	63.5	4.1	61.0 - 91.0	P	75.9	4.5	122.0 - 183.0	P	152.8	11.4	18
Siemens no P5P	34	35.0 - 52.0	P	43.5	3.9	108.0 - 162.0	P	135.0	8.4	64.0 - 96.0	P	80.2	4.9	79.0 - 118.0	P	98.7	6.4	156.0 - 233.0	P	194.4	10.9	14
Siemens P5P	35	47.0 - 70.0	P	58.3	2.2	123.0 - 185.0	P	154.3	6.1	77.0 - 115.0	P	95.9	3.9	92.0 - 139.0	P	115.6	4.4	170.0 - 255.0	P	212.2	8.0	18
Siemens Dimension, DIM CKI	36	47.0 - 70.0	P	58.7	2.4	124.0 - 186.0	P	155.3	5.1	78.0 - 117.0	P	97.4	3.5	94.0 - 141.0	P	117.2	4.0	171.0 - 257.0	P	213.8	6.7	170
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meths	37	32.0 - 48.0	P	40.4	3.5	97.0 - 146.0	P	121.4	12.2	57.0 - 85.0	P	71.2	7.0	72.0 - 108.0	P	90.1	5.7	138.0 - 206.0	P	171.9	15.6	20
Moderate recovery methods	38	32.0 - 47.0	P	39.6	4.0	99.0 - 149.0	P	124.2	9.9	58.0 - 87.0	P	72.8	6.0	72.0 - 108.0	P	89.9	7.6	142.0 - 213.0	P	177.3	13.2	237
High moderate recovery meth	39	35.0 - 52.0	P	43.4	5.8	110.0 - 165.0	P	137.2	10.3	64.0 - 97.0	P	80.5	7.3	79.0 - 119.0	P	99.3	8.4	157.0 - 236.0	P	196.3	12.9	192
High recovery methods	40	45.0 - 68.0	P	56.3	6.4	122.0 - 183.0	P	152.5	9.5	74.0 - 112.0	P	93.0	7.6	91.0 - 137.0	P	113.9	8.1	169.0 - 254.0	P	211.6	10.7	315

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	41	38.0 - 57.0	P	47.5	9.3	111.0 - 167.0	P	139.0	15.8	66.0 - 99.0	P	82.9	11.2	82.0 - 122.0	P	101.9	13.1	157.0 - 235.0	P	196.0	19.5	780
Alkaline Phosphatase																						
Initial Grouping by Reagent and Instrument																						
Abbott & Abbott Architect c, ci, i	1	50.0 - 93.0	P	71.9	2.7	180.0 - 335.0	P	257.7	8.0	83.0 - 154.0	P	118.2	3.2	123.0 - 229.0	P	176.3	5.7	252.0 - 468.0	P	360.2	13.0	25
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	49.0 - 91.0	P	70.2	4.0	177.0 - 329.0	P	253.0	14.9	81.0 - 150.0	P	115.5	6.5	121.0 - 224.0	P	172.2	9.9	248.0 - 460.0	P	354.2	23.2	59
Beckman & Beckman Unicel DXC series	3	44.0 - 82.0	P	62.7	3.9	159.0 - 296.0	P	227.8	12.1	74.0 - 138.0	P	105.8	6.1	110.0 - 203.0	P	156.5	8.7	225.0 - 418.0	P	321.8	17.6	60
Beckman Olym DEA/converted & Beckm Olym AU 400/600/5400	4	43.0 - 80.0	P	61.9	5.5	155.0 - 289.0	P	222.1	18.5	72.0 - 133.0	P	102.2	7.4	106.0 - 197.0	P	151.4	13.3	218.0 - 406.0	P	312.1	27.3	36
Beckman Olympus no DEA & Beckm Olym AU 400/600/5400	5	44.0 - 82.0	P	63.3	3.3	159.0 - 295.0	P	227.2	14.0	72.0 - 135.0	P	103.5	6.0	108.0 - 201.0	P	154.4	9.1	222.0 - 413.0	P	317.4	19.0	19
Carolina & Beckman Synchron CX3/7/9/L	6	42.0 - 78.0	P	60.3	9.4	153.0 - 284.0	P	218.5	38.1	71.0 - 131.0	P	101.0	16.4	104.0 - 194.0	P	149.1	22.2	214.0 - 397.0	P	305.7	48.0	15
Clinical Data ATAC & Vital Diag Cl Data ATAC8000	7	46.0 - 86.0	P	65.8	5.3	164.0 - 304.0	P	234.1	24.5	79.0 - 148.0	P	113.5	12.6	113.0 - 209.0	P	160.8	16.9	231.0 - 430.0	P	330.6	35.0	12
Clinical Data Envoy & Vital Diagnostics Envoy	8	48.0 - 88.0	P	68.0	4.0	170.0 - 317.0	P	243.5	8.6	78.0 - 146.0	P	112.0	5.6	118.0 - 220.0	P	168.9	8.1	241.0 - 448.0	P	344.8	17.0	13
Horriba ABX & Horiba ABX Pentra 400	9	53.0 - 99.0	P	76.3	2.8	192.0 - 356.0	P	274.0	9.4	88.0 - 163.0	P	125.1	3.6	132.0 - 245.0	P	188.3	5.9	268.0 - 497.0	P	382.5	6.1	11
J&J Vitros & J&J Vitros not DT or ECi	10	37.0 - 69.0	P	53.2	2.8	127.0 - 236.0	P	181.3	9.8	66.0 - 122.0	P	93.9	3.9	91.0 - 169.0	P	130.4	5.5	176.0 - 326.0	P	250.9	10.0	68
J&J Vitros & J&J Vitros 5,1 FS	11	40.0 - 74.0	P	56.6	2.0	132.0 - 244.0	P	188.0	6.8	69.0 - 128.0	P	98.8	4.0	93.0 - 173.0	P	133.0	3.8	179.0 - 332.0	P	255.0	9.7	20
Roche IFCC Gen. 2 & Roche Cobas 6000	12	46.0 - 86.0	P	66.2	2.4	172.0 - 319.0	P	245.1	9.4	78.0 - 144.0	P	110.8	5.0	117.0 - 217.0	P	167.0	6.6	241.0 - 447.0	P	344.2	12.4	11
Roche IFCC Gen. 2 & Roche Cobas Integra	13	45.0 - 84.0	P	64.4	1.9	168.0 - 313.0	P	240.4	6.2	75.0 - 140.0	P	107.5	3.3	114.0 - 212.0	P	163.2	4.4	237.0 - 440.0	P	338.4	10.4	26
SDI Biomed & SDI CA-240, 480	14	45.0 - 84.0	P	64.3	7.1	162.0 - 302.0	P	231.9	22.0	73.0 - 135.0	P	103.6	12.2	107.0 - 199.0	P	153.4	15.9	225.0 - 418.0	P	321.8	28.3	18
Siemens & Siemens Advia series	15	49.0 - 90.0	P	69.3	4.3	175.0 - 325.0	P	250.2	15.5	81.0 - 150.0	P	115.3	7.3	120.0 - 224.0	P	172.0	10.5	247.0 - 458.0	P	352.6	21.9	13
Siemens Dimension & Siemens Dimension Rxl	16	57.0 - 105.0	P	80.8	10.5	194.0 - 361.0	P	277.5	24.2	93.0 - 173.0	P	132.9	13.8	134.0 - 249.0	P	191.8	18.0	271.0 - 503.0	P	386.9	31.1	23
Siemens Dimension & Siemens Dimension EXL	17	58.0 - 108.0	P	83.4	5.9	198.0 - 367.0	P	282.6	14.5	94.0 - 175.0	P	134.5	8.7	135.0 - 251.0	P	193.4	8.7	273.0 - 508.0	P	390.5	17.8	25
Siemens Dimension & Siemens Dimension ser	18	56.0 - 104.0	P	80.1	8.1	189.0 - 352.0	P	270.5	14.6	89.0 - 166.0	P	127.4	8.6	130.0 - 242.0	P	185.9	10.1	264.0 - 490.0	P	377.2	17.8	47
Siemens Dimension & Siemens Dimension Xpand	19	54.0 - 100.0	P	76.6	6.3	186.0 - 346.0	P	266.2	12.5	87.0 - 161.0	P	123.6	7.7	128.0 - 237.0	P	182.4	9.4	261.0 - 485.0	P	373.0	18.6	93
Initial Grouping by Reagent																						

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		
Abbott	20	50.0 - 93.0	P 71.9	2.7	180.0 - 335.0	P 257.7	8.0	83.0 - 154.0	P 118.2	3.2	123.0 - 229.0	P 176.3	5.7	252.0 - 468.0	P 360.2	13.0	25	
Alfa Wassermann	21	49.0 - 91.0	P 70.2	4.0	177.0 - 329.0	P 253.0	14.9	81.0 - 150.0	P 115.5	6.5	121.0 - 224.0	P 172.2	9.9	248.0 - 460.0	P 354.2	23.2	59	
Beckman	22	43.0 - 81.0	P 62.1	4.2	158.0 - 293.0	P 225.5	12.9	73.0 - 136.0	P 104.6	6.7	108.0 - 201.0	P 155.0	9.3	223.0 - 414.0	P 318.3	18.9	81	
Beckman Olym DEA/converted	23	43.0 - 80.0	P 61.9	5.4	156.0 - 289.0	P 222.6	18.1	72.0 - 133.0	P 102.2	7.2	106.0 - 197.0	P 151.7	13.0	219.0 - 407.0	P 312.9	26.7	39	
Beckman Olympus no DEA	24	44.0 - 82.0	P 63.4	3.1	160.0 - 297.0	P 228.3	13.1	73.0 - 135.0	P 103.8	5.7	109.0 - 202.0	P 155.1	8.5	223.0 - 414.0	P 318.5	17.7	23	
Carolina	25	42.0 - 78.0	P 60.1	8.2	151.0 - 281.0	P 215.9	30.6	70.0 - 130.0	P 100.2	13.8	103.0 - 192.0	P 147.7	18.7	212.0 - 394.0	P 302.7	39.8	30	
Clinical Data ATAC	26	46.0 - 86.0	P 65.8	5.3	164.0 - 304.0	P 234.1	24.5	79.0 - 148.0	P 113.5	12.6	113.0 - 209.0	P 160.8	16.9	231.0 - 430.0	P 330.6	35.0	12	
Clinical Data Envoy	27	48.0 - 89.0	P 68.4	3.8	172.0 - 319.0	P 245.5	9.8	79.0 - 147.0	P 113.0	5.8	118.0 - 220.0	P 169.1	7.5	242.0 - 450.0	P 346.1	16.4	15	
DCL/Genzyme	28	48.0 - 90.0	P 68.9	9.7	181.0 - 337.0	P 259.0	33.0	81.0 - 151.0	P 116.0	15.7	123.0 - 228.0	P 175.2	22.4	254.0 - 472.0	P 362.9	44.3	19	
Horriba ABX	29	53.0 - 99.0	P 76.3	2.8	192.0 - 356.0	P 274.0	9.4	88.0 - 163.0	P 125.1	3.6	132.0 - 245.0	P 188.3	5.9	268.0 - 497.0	P 382.5	6.1	11	
J&J Vitros	30	38.0 - 70.0	P 54.1	3.0	128.0 - 238.0	P 182.7	9.3	67.0 - 124.0	P 95.1	4.4	92.0 - 170.0	P 130.8	5.5	176.0 - 327.0	P 251.7	10.0	99	
Pointe Sci	31	48.0 - 89.0	P 68.2	8.4	179.0 - 333.0	P 255.9	30.2	81.0 - 150.0	P 115.8	13.4	122.0 - 227.0	P 174.4	19.2	248.0 - 461.0	P 354.6	46.4	17	
Roche IFCC Gen. 2	32	45.0 - 84.0	P 64.7	2.7	169.0 - 313.0	P 241.0	9.8	76.0 - 140.0	P 108.0	4.7	115.0 - 213.0	P 164.0	6.3	237.0 - 440.0	P 338.2	14.5	52	
SDI Biomed	33	45.0 - 84.0	P 64.3	7.1	162.0 - 302.0	P 231.9	22.0	73.0 - 135.0	P 103.6	12.2	107.0 - 199.0	P 153.4	15.9	225.0 - 418.0	P 321.8	28.3	18	
Siemens	34	49.0 - 90.0	P 69.4	4.2	174.0 - 324.0	P 248.9	15.6	80.0 - 149.0	P 114.9	7.2	120.0 - 223.0	P 171.4	10.4	246.0 - 457.0	P 351.4	21.5	14	
Siemens Dimension	35	55.0 - 102.0	P 78.8	7.7	189.0 - 352.0	P 270.6	16.4	89.0 - 165.0	P 127.0	9.9	130.0 - 241.0	P 185.7	11.7	264.0 - 491.0	P 377.9	21.1	189	
Initial Grouping by Sensitivity or Principle																		
Low moderate recovery meths	36	43.0 - 80.0	P 61.7	5.8	156.0 - 291.0	P 223.5	18.9	72.0 - 134.0	P 103.1	9.5	107.0 - 198.0	P 152.6	13.1	219.0 - 407.0	P 313.1	30.3	109	
Moderate recovery methods	37	41.0 - 77.0	P 59.3	7.9	144.0 - 268.0	P 205.8	32.8	71.0 - 132.0	P 101.4	10.9	101.0 - 188.0	P 144.6	20.4	200.0 - 371.0	P 285.5	47.2	164	
High moderate recovery meth	38	47.0 - 87.0	P 66.6	7.5	169.0 - 313.0	P 240.8	27.6	78.0 - 145.0	P 111.2	12.2	115.0 - 214.0	P 164.9	18.1	236.0 - 438.0	P 336.8	39.2	112	
High recovery methods	39	46.0 - 86.0	P 66.4	5.9	170.0 - 315.0	P 242.4	21.1	77.0 - 143.0	P 110.0	9.2	115.0 - 214.0	P 165.0	14.2	238.0 - 442.0	P 340.1	29.9	181	
Very high recovery methods	40	55.0 - 102.0	P 78.8	7.7	189.0 - 352.0	P 270.5	16.4	89.0 - 165.0	P 127.0	9.9	130.0 - 241.0	P 185.7	11.7	264.0 - 491.0	P 377.7	21.1	190	
Total Population																		
Whole Population	41	47.0 - 87.0	P 66.6	9.2	167.0 - 310.0	P 238.5	33.0	78.0 - 145.0	P 111.4	13.7	115.0 - 213.0	P 164.0	21.5	233.0 - 434.0	P 333.5	46.8	763	

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		
Aspartate Aminotransferase (AST or SGOT)																						
Initial Grouping by Reagent and Instrument																						
Abbott no P5P & Abbott Architect c, ci, i	1	29.0 - 43.0	P	35.7	1.9	95.0 - 143.0	P	119.4	5.1	51.0 - 76.0	P	63.4	2.9	67.0 - 101.0	P	84.1	3.9	142.0 - 213.0	P	177.4	6.4	19
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	29.0 - 43.0	P	36.1	2.9	94.0 - 141.0	P	117.1	7.6	48.0 - 72.0	P	60.3	5.2	65.0 - 98.0	P	81.5	5.7	139.0 - 209.0	P	173.8	8.2	61
Beckman no P5P & Beckman Unicel DXC series	3	29.0 - 43.0	P	35.6	3.4	94.0 - 141.0	P	117.2	6.8	50.0 - 75.0	P	62.5	4.3	66.0 - 100.0	P	82.9	6.1	139.0 - 209.0	P	174.2	8.7	59
Beckman Olympus & Beckm Olym AU 400/600/5400	4	26.0 - 39.0	P	32.1	2.1	86.0 - 129.0	P	107.5	5.6	46.0 - 68.0	P	57.0	3.6	60.0 - 90.0	P	74.9	4.4	127.0 - 191.0	P	158.8	7.1	55
Carolina & Beckman Synchron CX3/7/9/L	5	29.0 - 44.0	P	36.3	4.2	96.0 - 143.0	P	119.5	10.5	51.0 - 76.0	P	63.4	6.0	67.0 - 100.0	P	83.7	8.4	142.0 - 213.0	P	177.7	12.8	14
Clinical Data ATAC & Vital Diag CI Data ATAC8000	6	26.0 - 39.0	P	32.2	4.4	86.0 - 129.0	P	107.8	7.8	46.0 - 69.0	P	57.6	3.2	60.0 - 90.0	P	74.6	6.2	128.0 - 192.0	P	159.7	10.3	12
Clinical Data Envoy & Vital Diagnostics Envoy	7	29.0 - 43.0	P	36.1	3.1	98.0 - 148.0	P	123.1	7.2	52.0 - 77.0	P	64.5	3.5	69.0 - 104.0	P	86.5	4.9	145.0 - 218.0	P	181.4	8.5	13
Horriba ABX & Horiba ABX Pentra 400	8	31.0 - 46.0	P	38.5	2.9	101.0 - 152.0	P	126.8	8.2	53.0 - 80.0	P	66.5	5.0	70.0 - 105.0	P	87.3	6.3	145.0 - 218.0	P	181.8	8.8	11
J&J Vitros & J&J Vitros not DT or ECi	9	42.0 - 63.0	P	52.8	2.8	124.0 - 185.0	P	154.6	6.7	72.0 - 108.0	P	90.2	4.5	90.0 - 135.0	P	112.8	5.0	179.0 - 268.0	P	223.4	8.9	67
J&J Vitros & J&J Vitros 5,1 FS	10	42.0 - 63.0	P	52.1	3.0	123.0 - 185.0	P	154.0	6.0	72.0 - 107.0	P	89.5	4.8	90.0 - 135.0	P	112.6	5.5	177.0 - 265.0	P	221.0	9.3	20
J&J Vitros & J&J Vitros 3600, 5600	11	41.0 - 61.0	P	50.8	1.8	121.0 - 182.0	P	151.8	3.9	71.0 - 106.0	P	88.7	3.6	89.0 - 134.0	P	111.8	4.5	175.0 - 262.0	P	218.6	5.0	10
Roche Cobas & Roche Cobas Integra	12	28.0 - 42.0	P	34.7	3.3	96.0 - 144.0	P	119.7	9.3	49.0 - 74.0	P	61.7	5.5	66.0 - 99.0	P	82.9	7.0	143.0 - 215.0	P	178.8	11.2	23
SDI Biomed & SDI CA-240, 480	13	25.0 - 37.0	P	31.2	2.9	84.0 - 126.0	P	104.6	5.3	45.0 - 68.0	P	56.4	4.4	57.0 - 85.0	P	70.9	4.9	118.0 - 177.0	P	147.6	5.7	18
Siemens no P5P & Siemens Advia series	14	32.0 - 48.0	P	39.6	3.0	102.0 - 153.0	P	127.8	7.8	55.0 - 82.0	P	68.5	4.5	72.0 - 108.0	P	89.6	6.0	150.0 - 225.0	P	187.3	10.6	13
Siemens Dimension & Siemens Dimension Rxl	15	46.0 - 68.0	P	56.9	2.7	130.0 - 195.0	P	162.5	5.7	78.0 - 117.0	P	97.5	4.1	96.0 - 144.0	P	120.2	3.9	183.0 - 274.0	P	228.2	7.4	19
Siemens Dimension & Siemens Dimension EXL	16	45.0 - 68.0	P	56.8	1.8	132.0 - 197.0	P	164.5	3.6	79.0 - 119.0	P	99.0	2.2	97.0 - 145.0	P	120.8	2.8	184.0 - 276.0	P	229.8	4.0	24
Siemens Dimension & Siemens Dimension ser	17	46.0 - 69.0	P	57.4	2.8	132.0 - 199.0	P	165.5	5.2	80.0 - 120.0	P	99.8	3.5	98.0 - 146.0	P	121.9	3.9	186.0 - 278.0	P	231.9	7.0	47
Siemens Dimension & Siemens Dimension Xpand	18	46.0 - 69.0	P	57.4	2.3	132.0 - 198.0	P	165.1	5.2	80.0 - 120.0	P	99.7	3.6	98.0 - 147.0	P	122.4	4.4	185.0 - 278.0	P	231.4	6.5	86
Initial Grouping by Reagent																						
Abbott no P5P	19	29.0 - 43.0	P	35.7	1.9	95.0 - 143.0	P	119.4	5.1	51.0 - 76.0	P	63.4	2.9	67.0 - 101.0	P	84.1	3.9	142.0 - 213.0	P	177.4	6.4	19
Alfa Wassermann	20	29.0 - 43.0	P	36.1	2.9	94.0 - 141.0	P	117.1	7.6	48.0 - 72.0	P	60.3	5.2	65.0 - 98.0	P	81.5	5.7	139.0 - 209.0	P	173.8	8.2	61
Beckman no P5P	21	28.0 - 42.0	P	35.1	3.4	93.0 - 139.0	P	116.0	6.9	49.0 - 74.0	P	61.7	4.3	65.0 - 98.0	P	81.6	6.1	137.0 - 206.0	P	171.8	9.7	80

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 Olympus	22	26.0 - 39.0 P	32.1	2.2	86.0 - 129.0 P	107.6	6.1	46.0 - 68.0 P	57.0	3.9	60.0 - 90.0 P	74.9	4.9	127.0 - 191.0 P	158.9	7.9	62	
Carolina	23	28.0 - 42.0 P	35.4	4.5	97.0 - 145.0 P	121.2	12.3	51.0 - 76.0 P	63.5	6.2	68.0 - 101.0 P	84.5	8.5	147.0 - 220.0 P	183.1	14.5	29	
Clinical Data ATAC	24	26.0 - 39.0 P	32.2	4.4	86.0 - 129.0 P	107.8	7.8	46.0 - 69.0 P	57.6	3.2	60.0 - 90.0 P	74.6	6.2	128.0 - 192.0 P	159.7	10.3	12	
Clinical Data Envoy	25	29.0 - 44.0 P	36.5	3.6	98.0 - 147.0 P	122.6	7.2	51.0 - 77.0 P	64.2	3.6	70.0 - 104.0 P	87.0	6.5	146.0 - 219.0 P	182.6	10.1	15	
DCL/Genzyme	26	27.0 - 41.0 P	34.1	4.6	93.0 - 139.0 P	116.1	14.2	48.0 - 73.0 P	60.6	7.7	64.0 - 96.0 P	79.9	10.1	138.0 - 207.0 P	172.4	20.5	21	
Horriba ABX	27	31.0 - 46.0 P	38.5	2.9	101.0 - 152.0 P	126.8	8.2	53.0 - 80.0 P	66.5	5.0	70.0 - 105.0 P	87.3	6.3	145.0 - 218.0 P	181.8	8.8	11	
J&J Vitros	28	42.0 - 63.0 P	52.5	2.8	123.0 - 185.0 P	154.2	6.3	72.0 - 108.0 P	89.9	4.5	90.0 - 135.0 P	112.6	5.0	178.0 - 267.0 P	222.4	8.7	99	
Pointe Sci 37 deg	29	29.0 - 44.0 P	36.3	4.9	102.0 - 152.0 P	127.1	9.9	52.0 - 78.0 P	64.9	6.7	68.0 - 102.0 P	85.3	9.5	151.0 - 226.0 P	188.7	13.6	16	
Roche Cobas	30	28.0 - 42.0 P	35.3	3.3	97.0 - 145.0 P	120.9	8.5	50.0 - 75.0 P	62.7	5.2	67.0 - 101.0 P	83.9	6.7	144.0 - 217.0 P	180.6	11.0	49	
Roche/Hitachi no P5P	31	29.0 - 43.0 P	36.1	2.3	97.0 - 145.0 P	121.0	6.1	51.0 - 77.0 P	63.9	3.1	68.0 - 102.0 P	84.7	4.2	145.0 - 217.0 P	181.0	6.9	12	
SDI Biomed	32	25.0 - 37.0 P	31.2	2.9	84.0 - 126.0 P	104.6	5.3	45.0 - 68.0 P	56.4	4.4	57.0 - 85.0 P	70.9	4.9	118.0 - 177.0 P	147.6	5.7	18	
Siemens no P5P	33	32.0 - 48.0 P	39.6	3.0	102.0 - 153.0 P	127.8	7.8	55.0 - 82.0 P	68.5	4.5	72.0 - 108.0 P	89.6	6.0	150.0 - 225.0 P	187.3	10.6	13	
Siemens P5P	34	45.0 - 68.0 P	56.3	2.3	131.0 - 197.0 P	164.2	4.7	79.0 - 119.0 P	99.2	2.7	96.0 - 144.0 P	120.2	3.8	184.0 - 275.0 P	229.4	4.9	13	
Siemens Dimension	35	46.0 - 69.0 P	57.2	2.5	132.0 - 198.0 P	164.8	5.1	79.0 - 119.0 P	99.4	3.6	97.0 - 146.0 P	121.7	4.1	185.0 - 277.0 P	230.9	6.6	177	
Initial Grouping by Sensitivity or Principle																		
Low recovery methods	36	27.0 - 40.0 P	33.4	2.6	89.0 - 133.0 P	111.2	8.0	47.0 - 70.0 P	58.6	3.5	61.0 - 92.0 P	76.6	6.1	132.0 - 197.0 P	164.4	10.9	19	
Low moderate recovery meth	37	28.0 - 41.0 P	34.6	3.2	91.0 - 137.0 P	114.3	7.9	48.0 - 72.0 P	60.2	4.8	64.0 - 96.0 P	79.9	6.3	135.0 - 203.0 P	169.3	10.7	228	
Moderate recovery methods	38	28.0 - 42.0 P	35.0	4.4	95.0 - 142.0 P	118.6	12.2	50.0 - 75.0 P	62.2	6.7	66.0 - 98.0 P	82.0	9.2	141.0 - 211.0 P	175.9	17.5	164	
High moderate recovery meth	39	34.0 - 52.0 P	42.9	14.9	105.0 - 157.0 P	130.9	17.9	58.0 - 86.0 P	71.9	16.0	74.0 - 111.0 P	92.9	17.4	152.0 - 229.0 P	190.5	21.9	75	
Very high recovery methods	40	44.0 - 67.0 P	55.5	3.6	129.0 - 193.0 P	160.9	7.8	77.0 - 115.0 P	96.1	6.2	95.0 - 142.0 P	118.3	6.5	182.0 - 273.0 P	227.3	12.1	291	
Total Population																		
Whole Population	41	34.0 - 50.0 P	41.9	9.6	107.0 - 161.0 P	134.2	23.4	58.0 - 87.0 P	72.9	16.5	76.0 - 115.0 P	95.4	19.2	156.0 - 233.0 P	194.5	29.4	782	