



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	
Alanine Aminotransferase (ALT or SGPT)																	
Initial Grouping by Reagent and Instrument																	
Abbott & Abbott Architect c, ci, i	1	206 - 309	P 257.4	6.2	50 - 75	P 62.6	2.1	10 - 15	P 12.9	1.5	10 - 15	P 12.5	1.4	109 - 163	P 136.0	3.5	24
Alfa Wassermann & Alfa Wasser Excel/Alera	2	167 - 250	P 208.2	4.9	40 - 60	P 49.6	1.9	8 - 12	P 9.7	1.8	7 - 10	P 8.2	1.4	88 - 132	P 110.2	3.0	22
Beckman Coulter & Beck Coulter Unicel DXC	3	195 - 293	P 243.8	3.7	52 - 78	P 65.1	1.2	19 - 29	P 23.8	0.9	14 - 22	P 18.1	0.6	107 - 161	P 133.8	2.0	22
Beckman Coulter & Beck Olym AU 400/600/5400	4	178 - 267	P 222.5	5.0	43 - 64	P 53.5	0.5	8 - 12	P 10.3	0.4	8 - 12	P 10.0	0.7	93 - 140	P 116.3	2.2	4
Beckman Coulter & Beckman AU 480	5	182 - 273	P 227.3	3.8	44 - 66	P 55.3	0.4	9 - 14	P 11.3	0.4	9 - 13	P 11.0	0.0	96 - 144	P 120.0	2.4	4
Beckman Olympus & Beck Olym AU 400/600/5400	6	177 - 265	P 221.0	6.3	43 - 64	P 53.5	1.6	9 - 13	P 10.7	0.6	8 - 12	P 10.3	0.8	93 - 140	P 116.6	3.7	30
Beckman Olympus & Beck Olympus AU 2700	7	176 - 264	P 219.8	6.8	43 - 65	P 54.0	1.9	9 - 14	P 11.5	1.1	9 - 14	P 11.3	0.8	94 - 141	P 117.8	3.3	4
Beckman Olympus & Beckman AU 480	8	178 - 267	P 222.9	5.4	43 - 65	P 54.2	1.3	9 - 13	P 10.7	0.4	8 - 12	P 10.4	0.5	94 - 142	P 118.1	3.0	18
Carolina & Beckman Synchron CX3/7/9/L	9	195 - 293	P 244.3	7.9	50 - 74	P 62.0	1.9	14 - 21	P 17.7	1.2	12 - 18	P 15.3	0.7	106 - 159	P 132.2	3.7	6
Horiba ABX & Horiba ABX 400	10	216 - 324	P 269.7	5.5	54 - 80	P 67.0	1.6	14 - 20	P 16.9	1.0	12 - 18	P 14.6	2.0	116 - 174	P 145.3	2.7	7
Ortho Vitros & Ortho Vitros 3600, 5600	11	189 - 284	P 236.6	6.4	59 - 89	P 74.0	3.9	19 - 29	P 23.8	2.2	24 - 36	P 29.6	3.4	111 - 167	P 138.8	3.8	9
Ortho Vitros & Ortho Vitros 5,1 FS	12	188 - 283	P 235.5	7.0	62 - 93	P 77.5	3.7	22 - 33	P 27.9	2.3	27 - 40	P 33.5	3.2	111 - 167	P 138.8	4.5	8
Ortho Vitros & Ortho Vitros not DT or ECI	13	187 - 280	P 233.4	7.2	58 - 87	P 72.2	4.3	18 - 27	P 22.1	3.4	23 - 35	P 29.0	4.8	108 - 162	P 134.9	4.5	29
Pointe Scientific & Beck Olym AU 400/600/5400	14	181 - 271	P 225.8	18.8	46 - 69	P 57.5	5.7	10 - 15	P 12.3	1.9	10 - 15	P 12.5	2.6	99 - 149	P 124.0	11.8	4
Roche Cobas & Roche Cobas 6000	15	195 - 292	P 243.3	3.7	48 - 72	P 59.6	0.9	10 - 15	P 12.4	0.5	10 - 14	P 11.9	0.3	103 - 154	P 128.7	2.6	7
Roche Cobas & Roche Cobas Integra	16	190 - 286	P 238.0	4.8	47 - 71	P 59.2	1.1	10 - 15	P 12.5	0.8	9 - 14	P 11.7	0.7	103 - 154	P 128.6	1.7	16
Roche Cobas & Roche e/c, 1XX, X000, Elec series	17	196 - 294	P 244.6	7.1	48 - 72	P 60.1	1.6	10 - 15	P 12.2	0.7	10 - 15	P 12.1	0.8	104 - 157	P 130.6	3.2	22
SDI Biomed & SDI CA-240, 480	18	165 - 248	P 206.4	10.7	42 - 64	P 53.1	1.8	11 - 17	P 13.8	0.7	9 - 14	P 11.4	1.5	89 - 133	P 111.2	4.2	11
Sekisui & Beck Olym AU 400/600/5400	19	185 - 278	P 231.8	11.0	46 - 69	P 57.6	2.7	10 - 15	P 12.6	1.2	9 - 14	P 11.8	1.2	100 - 150	P 124.8	5.6	5
Siemens ALTI & Siemens Dim R _L , R _L Max	20	220 - 320	P 275.2	15.6	56 - 84	P 70.3	3.8	16 - 25	P 20.5	1.0	13 - 20	P 16.5	1.3	119 - 178	P 148.7	7.8	6
Siemens ALTI & Siemens Dimension EXL	21	213 - 320	P 266.8	10.1	55 - 82	P 68.4	3.0	16 - 24	P 19.6	1.5	13 - 19	P 15.7	1.5	115 - 173	P 143.8	5.4	37
Siemens ALTI & Siemens Dimension Xpand	22	209 - 314	P 261.7	10.0	54 - 81	P 67.1	2.7	15 - 22	P 18.5	1.4	12 - 18	P 14.8	1.9	114 - 171	P 142.2	5.3	21
Siemens Dimension & Siemens Dimension EXL	23	211 - 316	P 263.5	10.9	53 - 79	P 66.1	2.6	15 - 22	P 18.7	1.8	12 - 18	P 15.0	1.7	115 - 172	P 143.7	5.1	17
Siemens Dimension & Siemens Dimension Xpand	24	209 - 313	P 261.2	9.8	54 - 81	P 67.4	2.7	15 - 22	P 18.5	2.6	12 - 19	P 15.5	1.7	114 - 170	P 141.9	4.2	13
Siemens no P5P & Siemens Advia	25	204 - 306	P 255.1	9.6	51 - 76	P 63.3	2.6	11 - 16	P 13.7	2.0	12 - 17	P 14.4	2.1	110 - 164	P 136.9	7.4	7
Synermed & Synermed IR500	26	233 - 349	P 290.8	16.0	60 - 89	P 74.4	4.2	18 - 27	P 22.8	0.4	17 - 25	P 21.0	6.7	125 - 187	P 156.0	11.7	5
Vital Diagnostic & Vital Diagnostic Eon	27	209 - 314	P 261.8	22.0	54 - 82	P 68.0	4.1	12 - 18	P 15.0	2.5	11 - 16	P 13.3	0.8	116 - 174	P 144.8	8.7	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	28	199 - 299	P 249.0	11.0	52 - 78	P 65.0	2.5	11 - 17	P 14.3	0.8	11 - 17	P 14.0	0.7	110 - 165	P 137.8	4.3	4
Initial Grouping by Reagent																	
Abbott	29	206 - 309	P 257.4	6.2	50 - 75	P 62.6	2.1	10 - 15	P 12.9	1.5	10 - 15	P 12.5	1.4	109 - 163	P 136.0	3.5	24
Alfa Wassermann	30	166 - 250	P 208.1	4.7	40 - 59	P 49.5	2.5	8 - 12	P 9.6	2.0	6 - 10	P 8.1	1.8	88 - 132	P 110.0	3.0	24
Beckman Coulter	31	190 - 285	P 237.9	9.6	50 - 74	P 61.9	4.9	16 - 24	P 20.3	5.7	13 - 19	P 16.1	3.3	103 - 155	P 128.9	7.7	32
Beckman Olympus	32	177 - 266	P 221.8	6.2	43 - 65	P 53.8	1.6	9 - 13	P 10.7	0.6	8 - 12	P 10.4	0.8	94 - 141	P 117.4	3.5	54
Carolina	33	189 - 284	P 236.6	16.6	47 - 70	P 58.7	5.7	13 - 20	P 16.5	3.0	11 - 17	P 13.8	2.2	101 - 152	P 126.6	9.4	15
Horiba ABX	34	216 - 324	P 269.7	5.5	54 - 80	P 67.0	1.6	14 - 20	P 16.9	1.0	12 - 18	P 14.6	2.0	116 - 174	P 145.3	2.7	7
Ortho Vitros	35	188 - 282	P 235.3	8.1	59 - 88	P 73.5	4.8	19 - 28	P 23.3	4.0	24 - 36	P 29.8	5.3	109 - 164	P 136.5	4.8	51
Pointe Scientific	36	193 - 289	P 240.9	23.4	48 - 72	P 59.8	5.7	11 - 16	P 13.6	3.1	10 - 16	P 13.1	3.0	104 - 156	P 129.9	12.3	9
Roche Cobas	37	194 - 291	P 242.1	6.7	48 - 72	P 59.7	1.4	10 - 15	P 12.3	0.7	10 - 14	P 11.9	0.7	104 - 156	P 129.6	2.9	45
SDI Biomed	38	165 - 248	P 206.4	10.7	42 - 64	P 53.1	1.8	11 - 17	P 13.8	0.7	9 - 14	P 11.4	1.5	89 - 133	P 111.2	4.2	11
Sekisui	39	186 - 279	P 232.5	10.6	46 - 70	P 58.0	3.6	10 - 15	P 12.6	3.0	10 - 15	P 12.8	2.9	101 - 151	P 125.9	6.6	8
Siemens ALTI	40	213 - 319	P 265.9	11.2	55 - 82	P 68.2	3.1	15 - 23	P 19.3	1.6	12 - 19	P 15.5	1.7	115 - 173	P 143.8	5.9	66
Siemens Dimension	41	211 - 316	P 263.7	10.8	54 - 80	P 67.0	2.8	15 - 22	P 18.7	2.2	12 - 18	P 15.2	1.7	115 - 172	P 143.5	4.9	33
Siemens no P5P	42	204 - 306	P 255.1	9.6	51 - 76	P 63.3	2.6	11 - 16	P 13.7	2.0	12 - 17	P 14.4	2.1	110 - 164	P 136.9	7.4	7
Synermed	43	231 - 347	P 289.2	14.7	59 - 88	P 73.5	4.3	17 - 25	P 21.0	3.5	16 - 24	P 19.7	6.8	124 - 186	P 155.2	10.9	6
Vital Diagnostic	44	209 - 314	P 261.8	22.0	54 - 82	P 68.0	4.1	12 - 18	P 15.0	2.5	11 - 16	P 13.3	0.8	116 - 174	P 144.8	8.7	4
Vital Diagnostics Envoy	45	199 - 299	P 249.0	11.0	52 - 78	P 65.0	2.5	11 - 17	P 14.3	0.8	11 - 17	P 14.0	0.7	110 - 165	P 137.8	4.3	4
Initial Grouping by Sensitivity or Principle																	
Low moderate recovery meths	46	179 - 269	P 224.1	4.9	46 - 69	P 57.6	1.8	14 - 21	P 17.6	4.1	12 - 18	P 14.8	2.8	97 - 146	P 121.7	4.3	7

Whole Population	51	4.7 - 5.7	P 5.21	0.52	2.3 - 2.8	P 2.58	0.28	3.7 - 4.6	P 4.15	0.19	1.7 - 2.1	P 1.93	0.91	3.3 - 4.0	P 3.62	0.42	408
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Alkaline Phosphatase

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	255 - 473	P 364.1	20.0	74 - 138	P 105.9	6.0	33 - 62	P 47.5	3.2	21 - 40	P 30.4	2.8	146 - 271	P 208.8	12.6	22
Alfa Wassermann & Alfa Wasser Excel/Alera	2	239 - 444	P 341.2	30.4	71 - 132	P 101.2	8.3	32 - 60	P 45.9	4.6	21 - 38	P 29.5	2.9	137 - 254	P 195.7	17.3	23
Beckman Coulter & Beck Coulter Unicel DXC	3	220 - 408	P 314.2	17.6	64 - 119	P 91.6	5.8	29 - 54	P 41.2	3.2	19 - 35	P 26.9	2.6	125 - 233	P 179.0	9.5	23
Beckman Coulter & Beck Olym AU 400/600/5400	4	245 - 454	P 349.3	20.4	68 - 125	P 96.5	7.6	31 - 57	P 44.0	4.3	19 - 36	P 27.8	1.9	135 - 251	P 193.3	14.7	4
Beckman Olympus & Beck Olym AU 400/600/5400	5	228 - 423	P 325.7	27.6	64 - 119	P 91.4	7.2	29 - 53	P 41.0	3.2	18 - 34	P 25.9	2.1	126 - 235	P 180.5	13.9	27
Beckman Olympus & Beckman AU 480	6	233 - 433	P 332.9	21.4	67 - 125	P 95.8	6.3	30 - 56	P 42.9	3.2	19 - 36	P 27.6	2.0	132 - 245	P 188.8	13.2	18
Carolina & Beckman Synchron CX3/7/9/L	7	225 - 419	P 322.1	36.6	66 - 123	P 94.9	9.3	30 - 55	P 42.6	4.1	20 - 38	P 29.0	3.7	131 - 243	P 186.6	20.8	7
Horiba ABX & Horiba ABX 400	8	270 - 501	P 385.3	11.1	79 - 147	P 112.9	3.3	36 - 66	P 51.1	3.3	22 - 40	P 31.0	2.4	155 - 288	P 221.4	5.8	7
Ortho Vitros & Ortho Vitros 3600, 5600	9	152 - 282	P 216.8	7.7	67 - 124	P 95.4	3.6	31 - 57	P 43.7	2.6	22 - 42	P 32.1	2.1	116 - 215	P 165.4	7.7	10
Ortho Vitros & Ortho Vitros 5,1 FS	10	152 - 282	P 217.3	10.8	67 - 124	P 95.4	2.6	31 - 57	P 43.9	1.5	23 - 43	P 33.0	1.2	115 - 214	P 164.5	5.3	8
Ortho Vitros & Ortho Vitros not DT or ECi	11	152 - 282	P 216.6	14.3	68 - 126	P 96.7	4.9	30 - 56	P 43.3	2.7	23 - 42	P 32.5	1.8	118 - 219	P 168.6	9.2	28
Pointe Scientific & Beck Olym AU 400/600/5400	12	240 - 445	P 342.5	16.1	70 - 130	P 100.0	4.1	32 - 60	P 46.0	2.0	20 - 37	P 28.8	1.3	138 - 256	P 197.0	7.4	4
Roche IFCC Gen. 2 & Roche Cobas 6000	13	249 - 463	P 356.0	3.9	73 - 136	P 104.3	1.3	33 - 62	P 47.7	0.9	21 - 38	P 29.3	0.5	142 - 264	P 202.8	3.6	4
Roche IFCC Gen. 2 & Roche Cobas Integra	14	253 - 469	P 360.9	10.5	73 - 136	P 104.5	3.4	34 - 63	P 48.1	1.6	21 - 39	P 30.1	0.9	145 - 269	P 206.9	5.4	15
Roche IFCC Gen. 2 & Roche e/c, 1XX, X000, Elec series	15	250 - 464	P 356.8	14.4	72 - 133	P 102.5	4.4	33 - 62	P 47.4	2.0	21 - 38	P 29.6	1.3	142 - 263	P 202.2	9.1	17
Roche/Hitachi & Roche e/c, 1XX, X000, Elec series	16	247 - 459	P 353.0	7.1	71 - 133	P 102.0	2.4	33 - 62	P 47.5	0.9	21 - 38	P 29.5	1.1	140 - 261	P 200.5	3.0	4
SDI Biomed & SDI CA-240, 480	17	236 - 438	P 336.6	13.3	72 - 134	P 102.7	6.8	34 - 62	P 47.9	3.2	23 - 42	P 32.5	2.8	133 - 246	P 189.6	6.9	11
Sekisui & Beck Olym AU 400/600/5400	18	279 - 518	P 398.2	26.6	81 - 151	P 116.0	5.6	37 - 69	P 53.2	3.5	24 - 44	P 33.8	2.2	160 - 297	P 228.8	13.8	5
Siemens Advia & Siemens Advia	19	260 - 483	P 371.8	8.3	74 - 138	P 106.3	3.2	34 - 63	P 48.7	2.4	22 - 41	P 31.2	2.0	146 - 271	P 208.8	5.0	6
Siemens Dimension & Siemens Dim RxL, RxL Max	20	272 - 504	P 388.0	10.3	77 - 144	P 110.5	3.4	34 - 62	P 48.0	2.5	21 - 40	P 30.5	1.5	156 - 290	P 222.8	5.6	4
Siemens Dimension & Siemens Dimension EXL	21	275 - 511	P 393.3	8.0	79 - 147	P 112.8	3.6	35 - 65	P 50.2	2.2	22 - 42	P 32.1	2.1	157 - 292	P 224.4	5.9	37
Siemens Dimension & Siemens Dimension Xpand	22	273 - 508	P 390.4	7.9	78 - 145	P 111.2	2.6	34 - 63	P 48.8	1.8	22 - 40	P 30.9	1.7	155 - 288	P 221.5	5.5	25
Siemens Dimension IFCC & Siemens Dim RxL, RxL Max	23	278 - 515	P 396.5	13.3	79 - 147	P 113.0	3.7	35 - 65	P 50.0	2.1	23 - 42	P 32.3	1.8	159 - 296	P 227.8	9.7	4
Siemens Dimension IFCC & Siemens Dimension EXL	24	275 - 511	P 392.8	8.7	78 - 145	P 111.7	3.4	35 - 64	P 49.4	2.6	21 - 40	P 30.6	3.1	156 - 290	P 223.1	5.8	18
Siemens Dimension IFCC & Siemens Dimension Xpand	25	276 - 512	P 393.7	12.0	78 - 146	P 112.1	4.8	34 - 64	P 49.2	3.6	21 - 39	P 30.1	2.9	156 - 290	P 223.0	9.0	9
Synermed & Synermed IR500	26	274 - 509	P 391.8	10.7	81 - 151	P 116.0	3.0	38 - 71	P 54.8	3.4	25 - 46	P 35.0	3.1	163 - 303	P 233.3	4.3	4
Vital Diagnostic & Vital Diagnostic Eon	27	194 - 361	P 277.8	29.0	64 - 120	P 92.0	7.1	29 - 54	P 41.3	4.0	24 - 44	P 33.8	8.3	110 - 205	P 157.8	21.9	4

Initial Grouping by Reagent

Abbott	28	255 - 473	P 364.1	20.0	74 - 138	P 105.9	6.0	33 - 62	P 47.5	3.2	21 - 40	P 30.4	2.8	146 - 271	P 208.8	12.6	22
Alfa Wassermann	29	239 - 443	P 341.0	29.7	71 - 131	P 101.1	8.2	32 - 60	P 45.8	4.5	21 - 38	P 29.4	2.9	137 - 254	P 195.5	17.0	24
Beckman Coulter	30	226 - 420	P 323.3	23.6	65 - 121	P 93.4	6.7	29 - 55	P 42.1	3.6	19 - 35	P 27.2	2.5	128 - 238	P 183.2	12.8	31
Beckman Olympus	31	231 - 428	P 329.4	28.8	66 - 122	P 93.9	8.5	30 - 55	P 42.2	4.0	19 - 35	P 26.8	2.5	129 - 240	P 184.6	16.0	50
Beckman Olympus no DEA	32	229 - 426	P 327.5	7.5	66 - 123	P 94.3	3.9	30 - 57	P 43.5	0.9	20 - 36	P 28.0	0.0	128 - 238	P 183.3	6.6	4
Carolina	33	228 - 424	P 326.4	33.9	67 - 125	P 96.3	9.2	30 - 56	P 43.1	4.1	20 - 38	P 29.1	3.3	132 - 244	P 188.0	19.1	15
Horiba ABX	34	270 - 501	P 385.3	11.1	79 - 147	P 112.9	3.3	36 - 66	P 51.1	3.3	22 - 40	P 31.0	2.4	155 - 288	P 221.4	5.8	7
Ortho Vitros	35	152 - 281	P 216.5	12.3	67 - 125	P 96.4	4.5	30 - 57	P 43.5	2.5	23 - 42	P 32.6	1.9	117 - 217	P 167.3	8.4	50
Pointe Scientific	36	248 - 461	P 354.5	24.3	72 - 133	P 102.6	7.3	33 - 61	P 47.0	4.3	21 - 40	P 30.7	4.6	143 - 266	P 204.5	13.0	13
Roche IFCC Gen. 2	37	251 - 466	P 358.4	12.3	72 - 135	P 103.5	3.9	33 - 62	P 47.7	1.8	21 - 39	P 29.8	1.1	143 - 266	P 204.3	7.6	36
Roche/Hitachi	38	251 - 466	P 358.1	8.2	72 - 134	P 103.1	3.2	33 - 62	P 47.5	1.0	21 - 39	P 29.8	1.0	141 - 261	P 201.1	4.0	8
SDI Biomed	39	236 - 438	P 336.6	13.3	72 - 134	P 102.7	6.8	34 - 62	P 47.9	3.2	23 - 42	P 32.5	2.8	133 - 246	P 189.6	6.9	11
Sekisui	40	263 - 488	P 375.5	39.0	76 - 141	P 108.1	11.9	35 - 64	P 49.4	6.1	22 - 41	P 31.4	3.9	149 - 277	P 213.3	24.1	8
Siemens Advia	41	260 - 483	P 371.8	8.3	74 - 138	P 106.3	3.2	34 - 63	P 48.7	2.4	22 - 41	P 31.2	2.0	146 - 271	P 208.8	5.0	6
Siemens Dimension	42	274 - 509	P 391.8	8.3	78 - 146	P 112.0	3.3	35 - 64	P 49.5	2.2	22 - 41	P 31.5	2.0	156 - 290	P 223.2	6.1	69
Siemens Dimension IFCC	43	275 - 512	P 393.5	10.5	78 - 146	P 112.0	3.9	35 - 64	P 49.4	2.9	21 - 40	P 30.6	3.0	157 - 291	P 223.7	7.6	31
Synermed	44	274 - 509	P 391.8	10.7	81 - 151	P 116.0	3.0	38 - 71	P 54.8	3.4	25 - 46	P 35.0	3.1	163 - 303	P 233.3	4.3	4
Vital Diagnostic	45	194 - 361	P 277.8	29.0	64 - 120	P 92.0	7.1	29 - 54	P 41.3	4.0	24 - 44	P 33.8	8.3	110 - 205	P 157.8	21.9	4

Initial Grouping by Sensitivity or Principle

Low moderate recovery meths	46	224 - 416	P 320.0	33.2	66 - 124	P 95.0	8.5	30 - 56	P 43.3	4.6	20 - 37	P 28.4	3.5	128 - 238	P 183.1	14.4	45
High moderate recovery meth	47	243 - 451	P 347.3	37.5	72 - 133	P 102.3	10.1	32 - 60	P 46.2	4.9	21 - 40	P 30.4	4.4	140 - 260	P 199.9	23.0	63
High recovery methods	48	241 - 448	P 344.6	29.4	70 - 129	P 99.5	8.8	32 - 59	P 45.2	4.5	20 - 37	P 28.6	2.8	137 - 254	P 195.2	17.4	126
Moderate recovery methods	49	182 - 339	P 260.4	67.6	69 - 128	P 98.4	7.9	31 - 58	P 44.7	4.0	22 - 41	P 31.6	3.0	124 - 231	P 177.6	20.8	74
Very high recovery methods	50	274 - 510	P 392.1	9.3	78 - 146	P 112.0	3.5	35 - 64	P 49.5	2.4	22 - 41	P 31.2	2.4	156 - 290	P 223.2	6.7	101

Total Population

Whole Population	51	236 - 439	P 337.7	59.8	71 - 133	P 102.1	10.0	32 - 60	P 46.0	4.8	21 - 40	P 30.4	6.3	138 - 257	P 197.8	25.1	411
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Aspartate Aminotransferase (AST or SGOT)

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	224 - 336	P 280.0	5.6	60 - 90	P 75.2	1.5	17 - 25	P 21.2	0.8	13 - 20	P 16.7	0.7	125 - 188	P 156.5	3.2	19
Alfa Wassermann & Alfa Wasser Excel/Alera	2	202 - 303	P 252.8	6.6	55 - 82	P 68.6	3.0	14 - 21	P 17.3	2.9	10 - 15	P 12.4	2.1	114 - 171	P 142.9	4.2	23
Beckman Coulter & Beck Coulter Unicel DXC	3	216 - 323	P 269.5	5.7	61 - 91	P 76.0	1.4	22 - 33	P 27.8	0.9	16 - 24	P 20.3	0.8	123 - 185	P 154.1	3.6	22
Beckman Coulter & Beck Olym AU 400/600/5400	4	197 - 296	P 246.8	0.4	53 - 80	P 66.5	0.5	15 - 22	P 18.5	0.5	12 - 18	P 15.0	0.0	110 - 165	P 137.5	0.9	4
Beckman Coulter & Beckman AU 480	5	203 - 304	P 253.5	10.2	55 - 83	P 69.3	4.0	15 - 23	P 19.3	0.8	12 - 18	P 15.0	0.0	113 - 170	P 141.8	4.4	4
Beckman Olympus & Beck Olym AU 400/600/5400	6	195 - 293	P 243.8	9.0	53 - 79	P 65.8	2.5	15 - 22	P 18.6	0.8	12 - 18	P 14.6	0.9	109 - 164	P 136.3	5.4	30
Beckman Olympus & Beck Olympus AU 2700	7	197 - 295	P 245.8	10.3	54 - 81	P 67.8	1.8	15 - 23	P 19.0	0.7	12 - 18	P 14.8	1.5	111 - 166	P 138.3	4.2	4
Beckman Olympus & Beckman AU 480	8	197 - 295	P 245.7	7.5	53 - 80	P 66.5	1.8	15 - 23	P 19.1	0.7	12 - 18	P 15.0	0.7	111 - 166	P 138.3	4.7	18
Carolina & Beck Olym AU 400/600/5400	9	229 - 344	P 286.8	16.3	61 - 92	P 76.3	3.3	17 - 26	P 21.5	2.1	13 - 20	P 16.8	2.2	127 - 190	P 158.5	10.3	4
Carolina & Beckman Synchron CX3/7/9/L	10	228 - 342	P 285.4	4.5	64 - 96	P 80.0	1.2	20 - 30	P 24.9	3.4	16 - 24	P 20.1	0.6	130 - 195	P 162.3	3.8	7
Horiba ABX & Horiba ABX 400	11	225 - 337	P 281.1	4.5	61 - 92	P 76.7	1.9	19 - 28	P 23.4	1.0	14 - 21	P 17.3	0.9	128 - 192	P 160.3	3.1	7
Ortho Vitros & Ortho Vitros 3600, 5600	12	274 - 411	P 342.3	8.7	65 - 98	P 81.7	2.1	18 - 27	P 22.3	0.8	14 - 21	P 17.3	0.6	142 - 213	P 177.4	4.7	10
Ortho Vitros & Ortho Vitros 5,1 FS	13	273 - 409	P 341.0	8.4	66 - 98	P 81.9	2.4	18 - 27	P 22.4	0.9	14 - 21	P 17.4	0.7	140 - 210	P 174.6	5.8	8
Ortho Vitros & Ortho Vitros not DT or ECI	14	272 - 408	P 340.4	6.8	65 - 98	P 81.6	1.3	18 - 27	P 22.1	0.7	14 - 20	P 17.0	0.5	141 - 212	P 176.7	3.6	29
Pointe Scientific & Beck Olym AU 400/600/5400	15	211 - 317	P 263.8	25.2	58 - 87	P 72.5	6.5	16 - 25	P 20.5	2.3	13 - 20	P 16.3	2.3	120 - 180	P 149.8	14.7	4
Roche Cobas & Roche Cobas 6000	16	226 - 329	P 282.1	4.3	60 - 90	P 75.3	1.3	16 - 24	P 20.0	1.3	14 - 20	P 17.0	2.2	126 - 189	P 157.1	3.1	7
Roche Cobas & Roche Cobas Integra	17	219 - 329	P 274.1	6.0	60 - 90	P 74.9	1.7	16 - 24	P 20.3	0.8	13 - 20	P 16.4	0.8	124 - 187	P 155.6	3.6	16
Roche Cobas & Roche e/c, 1XX, X000, Elec series	18	222 - 334	P 278.0	12.0	60 - 90	P 75.4	3.0	16 - 24	P 20.4	0.8	13 - 20	P 16.3	1.0	125 - 187	P 156.1	6.5	22
SDI Biomed & SDI CA-240, 480	19	190 - 285	P 237.5	7.6	53 - 80	P 66.4	2.8	16 - 24	P 19.7	1.2	12 - 18	P 15.3	1.4	108 - 162	P 135.2	2.7	11
Sekisui & Beck Olym AU 400/600/5400	20	207 - 310	P 258.3	11.8	55 - 83	P 69.3	1.9	16 - 23	P 19.5	0.5	12 - 18	P 14.8	0.4	116 - 174	P 144.8	7.5	4
Siemens Dimension & Siemens Dim Rxl, Rxl Max	21	259 - 389	P 324.0	5.2	64 - 96	P 80.1	2.8	15 - 22	P 18.4	2.4	14 - 21	P 17.1	1.5	138 - 206	P 171.9	4.8	8
Siemens Dimension & Siemens Dimension EXL	22	250 - 375	P 312.6	7.4	61 - 92	P 76.4	2.6	14 - 22	P 18.0	1.3	13 - 20	P 16.6	1.9	134 - 201	P 167.7	4.1	48
Siemens Dimension & Siemens Dimension Xpand	23	257 - 385	P 321.1	8.3	63 - 95	P 79.1	2.1	15 - 23	P 19.2	1.7	14 - 21	P 17.2	1.5	137 - 206	P 171.4	3.7	30
Siemens P5P & Siemens Dimension EXL	24	252 - 378	P 314.7	5.8	62 - 93	P 77.5	1.4	16 - 23	P 19.5	2.4	13 - 19	P 16.2	1.3	136 - 204	P 169.7	3.7	6
Siemens no P5P & Siemens Advia	25	232 - 348	P 289.7	14.3	63 - 95	P 79.0	4.1	19 - 29	P 24.1	3.4	16 - 24	P 20.0	2.4	130 - 196	P 163.0	9.1	7
Sterling Diagnostic & Pointe Sci 180/Sterl 2000	26	165 - 248	P 206.6	9.1	62 - 93	P 77.4	2.4	13 - 19	P 16.2	2.2	18 - 27	P 22.2	3.7	109 - 164	P 136.4	6.3	5
Synermed & Synermed IR500	27	241 - 361	P 300.8	15.6	71 - 106	P 88.3	3.4	22 - 34	P 28.0	0.0	21 - 32	P 26.4	2.7	140 - 209	P 174.4	6.9	5
Vital Diagnostic & Vital Diagnostic Eon	28	231 - 347	P 289.3	44.0	63 - 95	P 79.3	8.5	18 - 27	P 22.3	1.6	15 - 22	P 18.5	2.9	129 - 194	P 161.5	15.9	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	29	229 - 344	P 286.8	11.1	64 - 96	P 80.0	3.1	18 - 27	P 22.5	2.7	15 - 22	P 18.3	1.5	131 - 196	P 163.3	6.4	4

Initial Grouping by Reagent

Abbott Architect	30	224 - 336	P 280.0	5.6	60 - 90	P 75.2	1.5	17 - 25	P 21.2	0.8	13 - 20	P 16.7	0.7	125 - 188	P 156.5	3.2	19
Alfa Wassermann	31	202 - 303	P 252.9	6.4	55 - 82	P 68.6	2.9	14 - 21	P 17.4	2.8	10 - 15	P 12.4	2.0	114 - 171	P 142.9	4.1	24
Beckman Coulter	32	211 - 317	P 263.8	10.9	59 - 88	P 73.6	4.2	20 - 31	P 25.5	4.0	15 - 23	P 18.9	2.4	120 - 180	P 150.0	7.5	31
Beckman Olympus	33	196 - 294	P 245.0	9.0	53 - 80	P 66.3	2.4	15 - 23	P 18.8	0.8	12 - 18	P 14.8	0.9	110 - 165	P 137.4	5.4	54
Carolina	34	225 - 338	P 281.7	14.9	62 - 94	P 78.0	3.8	19 - 28	P 23.7	3.5	15 - 22	P 18.7	2.4	128 - 191	P 159.5	8.4	17
Horiba ABX	35	225 - 337	P 281.1	4.5	61 - 92	P 76.7	1.9	19 - 28	P 23.4	1.0	14 - 21	P 17.3	0.9	128 - 192	P 160.3	3.1	7
Ortho Vitros	36	272 - 409	P 340.6	7.9	65 - 98	P 81.8	1.8	18 - 27	P 22.2	0.8	14 - 21	P 17.1	0.6	141 - 212	P 176.5	4.5	51
Pointe Scientific	37	217 - 325	P 271.0	22.5	60 - 90	P 74.6	6.0	18 - 27	P 22.1	3.0	14 - 21	P 17.3	2.4	123 - 185	P 154.3	12.9	9
Roche Cobas	38	222 - 333	P 277.2	9.7	60 - 90	P 75.2	2.4	16 - 24	P 20.3	0.9	13 - 20	P 16.4	1.2	125 - 187	P 156.1	5.2	45
SDI Biomed	39	190 - 285	P 237.5	7.6	53 - 80	P 66.4	2.8	16 - 24	P 19.7	1.2	12 - 18	P 15.3	1.4	108 - 162	P 135.2	2.7	11
Sekisui	40	208 - 311	P 259.4	11.3	56 - 84	P 70.1	3.3	17 - 26	P 21.3	2.6	13 - 19	P 16.0	1.8	118 - 177	P 147.6	9.4	8
Siemens Dimension	41	253 - 380	P 316.8	8.8	62 - 93	P 77.7	2.8	15 - 22	P 18.4	1.7	14 - 20	P 16.9	1.7	135 - 203	P 169.1	5.0	89
Siemens P5P	42	252 - 379	P 315.6	5.9	62 - 93	P 77.7	1.7	15 - 23	P 19.3	2.0	13 - 20	P 16.5	1.3	136 - 204	P 170.4	3.9	10
Siemens no P5P	43	235 - 352	P 293.4	16.5	63 - 95	P 78.9	3.8	19 - 28	P 23.4	3.7	16 - 24	P 19.6	2.5	131 - 197	P 164.0	8.9	8
Sterling Diagnostic	44	171 - 257	P 214.1	12.6	64 - 95	P 79.4	3.4	14 - 21	P 17.1	2.4	19 - 29	P 23.9	4.7	112 - 167	P 139.4	6.4	8
Synermed	45	245 - 367	P 305.8	18.2	71 - 107	P 89.0	3.2	21 - 31	P 26.0	2.0	20 - 30	P 25.2	3.7	141 - 211	P 176.2	7.4	6
Vital Diagnostic	46	231 - 347	P 289.3	44.0	63 - 95	P 79.3	8.5	18 - 27	P 22.3	1.6	15 - 22	P 18.5	2.9	129 - 194	P 161.5	15.9	4
Vital Diagnostics Envoy	47	229 - 344	P 286.8	11.1	64 - 96	P 80.0	3.1	18 - 27	P 22.5	2.7	15 - 22	P 18.3	1.5	131 - 196	P 163.3	6.4	4

Initial Grouping by Sensitivity or Principle

High moderate recovery meth	48	213 - 319	P 266.1	36.9	63 - 95	P 79.3	6.1	17 - 26	P 21.6	4.2	17 - 25	P 21.2	4.7	125 - 188	P 156.4	15.6	31
Low moderate recovery meth	49	205 - 308	P 256.7	15.3	56 - 84	P 69.9	4.7	16 - 25	P 20.5	3.8	12 - 19	P 15.6	2.7	116 - 173	P 144.5	9.0	131
Moderate recovery methods	50	218 - 327	P 272.3	18.8	59 - 89	P 74.3	4.7	17 - 26	P 21.4	2.7	14 - 20	P 16.9	2.2	123 - 185	P 153.8	10.1	106
Very high recovery methods	51	260 - 391	P 325.5	14.3	63 - 95	P 79.2	3.2	16 - 24	P 19.8	2.3	14 - 20	P 16.9	1.4	137 - 206	P 171.8	6.0	140
All with P5P	52	252 - 379	P 315.6	5.9	62 - 93	P 77.7	1.7	15 - 23	P 19.3	2.0	13 - 20	P 16.5	1.3	136 - 204	P 170.4	3.9	10
Low recovery methods	53	231 - 347	P 289.3	44.0	63 - 95	P 79.3	8.5	18 - 27	P 22.3	1.6	15 - 22	P 18.5	2.9	129 - 194	P 161.5	15.9	4

Total Population

Whole Population	54	228 - 342	P 285.0	37.6	60 - 90	P 75.0	6.2	17 - 25	P 20.7	3.3	14 - 21	P 17.2	7.7	126 - 189	P 157.2	16.0	423
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Bicarbonate (Total CO2)

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	35 - 52	P 43.6	1.9	17 - 25	P 20.9	1.6	9 - 17	C 13.1	1.4	12 - 20	C 15.9	1.5	23 - 34	P 28.4	1.8	21
Alfa Wassermann & Alfa Wasser Axel/Alera	2	35 - 52	P 43.2	3.9	19 - 28	P 23.5	3.0	10 - 18	C 13.9	2.2	13 - 21	C 17.2	2.7	24 - 37	P 30.6	4.1	20
Beckman Coulter & Beck Coult Unicel DXC	3	36 - 54	P 45.3	2.2	19 - 29	P 23.8	1.1	11 - 19	C 15.1	1.0	14 - 22	C 17.9	1.1	25 - 38	P 31.3	1.7	21
Beckman Coulter & Beck Olym AU 400/600/5400	4	39 - 59	P 48.8	3.3	19 - 29	P 24.0	0.7	12 - 20	C 15.5	0.5	15 - 23	C 18.5	0.5	27 - 40	P 33.3	1.3	4
Beckman Coulter & Beckman AU 480	5	32 - 49	P 40.5	7.4	15 - 23	C 19.0	2.9	9 - 17	C 12.8	1.8	11 - 19	C 14.5	3.2	22 - 34	P 28.0	4.6	4
Beckman Olympus & Beck Olym AU 400/600/5400	6	37 - 56	P 46.4	4.2	19 - 28	P 23.3	1.6	10 - 18	C 14.1	1.2	13 - 21	C 17.0	1.3	25 - 38	P 31.4	2.5	29
Beckman Olympus & Beck Olympus AU 2700	7	33 - 50	P 41.8	2.9	17 - 26	P 21.8	0.8	9 - 17	C 12.8	0.4	12 - 20	C 15.5	0.9	24 - 36	P 30.0	1.6	4
Beckman Olympus & Beckman AU 480	8	36 - 54	P 45.4	4.6	19 - 28	P 23.4	1.4	10 - 18	C 14.2	1.0	13 - 21	C 17.1	0.9	26 - 38	P 32.0	2.0	19
Carolina & Beck Olym AU 400/600/5400	9	37 - 56	P 46.4	0.5	20 - 30	P 24.6	1.4	11 - 19	C 15.4	1.4	14 - 22	C 18.2	2.1	25 - 38	P 31.8	1.3	5
Carolina & Beckman Synchron CX3/7/9/L	10	36 - 54	P 45.4	2.4	20 - 30	P 25.0	0.7	13 - 21	C 17.2	2.2	15 - 23	C 19.0	0.0	25 - 38	P 31.8	1.8	5
Horiba ABX & Horiba ABX 400	11	35 - 52	P 43.4	2.3	19 - 28	P 23.4	2.6	11 - 19	C 15.0	1.8	14 - 22	C 18.3	2.0	25 - 37	P 30.9	2.3	7
Medica & Medica Easy RA	12	33 - 49	P 41.0	1.7	18 - 27	P 22.3	1.0	10 - 18	C 14.3	1.4	13 - 21	C 16.5	1.4	22 - 34	P 28.0	3.5	8
Ortho Vitros & Ortho Vitros 3600, 5600	13	33 - 49	P 41.2	2.1	17 - 25	P 20.8	1.1	9 - 17	C 13.0	1.3	11 - 19	C 15.3	1.6	22 - 33	P 27.8	2.4	10
Ortho Vitros & Ortho Vitros 5,1 FS	14	31 - 47	P 38.9	2.2	17 - 25	P 20.9	1.5	10 - 18	C 13.6	1.2	12 - 20	C 16.0	1.2	23 - 34	P 28.3	1.4	7
Ortho Vitros & Ortho Vitros not DT or ECI	15	33 - 49	P 40.7	2.3	17 - 25	P 21.1	1.2	10 - 18	C 13.8	1.1	12 - 20	C 15.7	1.2	22 - 34	P 28.0	2.0	21
Ortho Vitros UV/unc & Ortho Vitros not DT or ECI	16	31 - 47	P 39.1	2.4	18 - 26	P 21.9	1.0	10 - 18	C 14.3	0.9	12 - 20	C 16.3	0.5	22 - 33	P 27.3	2.9	7
Roche Cobas & Roche Cobas 6000	17	34 - 51	P 42.2	4.9	17 - 25	P 21.0	2.1	10 - 18	C 14.2	1.6	12 - 20	C 16.0	1.2	23 - 35	P 28.8	3.0	6
Roche Cobas & Roche Cobas Integra	18	33 - 50	P 41.3	2.7	18 - 26	P 22.0	2.1	10 - 18	C 13.8	1.9	12 - 20	C 16.4	2.1	23 - 35	P 28.8	2.4	13
Roche Cobas & Roche e/c, 1XX, X000, Elec series	19	31 - 47	P 39.2	4.6	15 - 23	C 19.4	2.1	8 - 16	C 11.5	1.7	10 - 18	C 13.9	2.0	21 - 31	P 26.2	2.6	19
SDI Biomed & SDI CA-240, 480	20	34 - 51	P 42.7	0.8	19 - 28	P 23.3	1.2	10 - 18	C 14.2	1.4	13 - 21	C 16.9	0.9	24 - 36	P 30.4	1.2	10
Sekisui & Beck Olym AU 400/600/5400	21	34 - 50	P 42.0	3.2	17 - 26	P 21.3	2.5	9 - 17	C 13.3	1.8	12 - 20	C 16.3	1.6	23 - 35	P 28.8	1.8	4
Siemens Advia & Siemens Advia	22	36 - 54	P 45.2	5.2	19 - 29	P 24.2	2.7	10 - 18	C 14.3	2.3	14 - 22	C 18.0	2.2	26 - 39	P 32.2	3.2	5
Siemens ECO2 & Siemens Dim Rxl, Rxl Max	23	36 - 54	P 45.4	2.6	20 - 30	P 25.0	1.6	12 - 20	C 16.0	1.3	15 - 23	C 19.1	1.3	26 - 39	P 32.1	2.4	8
Siemens ECO2 & Siemens Dimension EXL	24	34 - 52	P 43.1	4.0	20 - 30	P 24.9	2.0	12 - 20	C 15.6	1.7	15 - 23	C 18.9	1.8	25 - 38	P 31.8	2.5	54
Siemens ECO2 & Siemens Dimension Xpand	25	35 - 52	P 43.2	4.6	20 - 30	P 24.9	1.9	12 - 20	C 15.5	1.7	15 - 23	C 18.9	1.8	25 - 38	P 31.5	2.6	33
Vital Diagnostic Eon & Vital Diagnostic Eon	26	31 - 46	P 38.5	2.5	17 - 26	P 21.5	1.1	10 - 18	C 14.3	0.8	13 - 21	C 16.8	1.3	22 - 34	P 28.0	1.6	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	27	32 - 48	P 40.0	3.1	16 - 24	P 20.3	1.6	8 - 16	C 11.5	1.1	13 - 21	C 16.5	1.1	22 - 33	P 27.5	1.1	4

Initial Grouping by Reagent

Abbott Architect	28	35 - 52	P 43.6	1.9	17 - 25	P 20.9	1.6	9 - 17	C 13.1	1.4	12 - 20	C 15.9	1.5	23 - 34	P 28.4	1.8	21
Alfa Wassermann	29	35 - 52	P 43.2	3.8	19 - 28	P 23.4	3.0	10 - 18	C 13.9	2.1	13 - 21	C 17.1	2.7	24 - 37	P 30.6	4.0	21
Beckman Coulter	30	36 - 54	P 45.1	4.2	18 - 28	P 23.1	2.2	11 - 19	C 14.8	1.4	14 - 22	C 17.5	1.9	25 - 37	P 31.1	2.7	29
Beckman Olympus	31	36 - 55	P 45.6	4.4	19 - 28	P 23.2	1.5	10 - 18	C 14.0	1.1	13 - 21	C 16.9	1.2	25 - 38	P 31.5	2.3	53
Carolina	32	36 - 54	P 45.3	2.1	20 - 30	P 24.7	1.8	12 - 20	C 16.0	2.2	14 - 22	C 18.3	1.7	25 - 38	P 31.5	2.0	15
Horiba ABX	33	35 - 52	P 43.4	2.3	19 - 28	P 23.4	2.6	11 - 19	C 15.0	1.8	14 - 22	C 18.3	2.0	25 - 37	P 30.9	2.3	7
Medica	34	33 - 49	P 41.0	1.7	18 - 27	P 22.3	1.0	10 - 18	C 14.3	1.4	13 - 21	C 16.5	1.4	22 - 34	P 28.0	3.5	8
Ortho Vitros	35	33 - 49	P 40.7	2.8	17 - 25	P 21.0	1.2	10 - 18	C 13.5	1.3	12 - 20	C 15.7	1.3	22 - 34	P 28.0	2.0	42
Ortho Vitros UV/unc	36	31 - 47	P 38.8	2.2	17 - 26	P 21.3	1.3	10 - 18	C 14.2	0.9	12 - 20	C 16.0	0.7	22 - 33	P 27.2	2.6	9
Pointe Scientific	37	35 - 53	P 43.8	5.6	18 - 28	P 23.1	3.0	12 - 20	C 15.6	3.4	15 - 23	C 18.5	2.5	25 - 37	P 30.9	3.7	8
Roche Cobas	38	32 - 49	P 40.5	4.2	16 - 25	P 20.6	2.4	9 - 17	C 12.7	2.1	11 - 19	C 15.1	2.2	22 - 33	P 27.5	2.9	39
Roche Hitachi	39	32 - 47	P 39.5	4.0	16 - 24	P 20.3	3.3	8 - 16	C 12.3	2.7	10 - 18	C 14.3	1.9	21 - 32	P 26.3	3.7	4
SDI Biomed	40	34 - 51	P 42.7	0.8	19 - 28	P 23.3	1.2	10 - 18	C 14.2	1.4	13 - 21	C 16.9	0.9	24 - 36	P 30.4	1.2	10
Sekisui	41	35 - 52	P 43.7	3.9	18 - 27	P 22.3	2.8	10 - 18	C 14.0	2.1	13 - 21	C 16.8	2.0	24 - 36	P 29.6	2.8	9
Siemens Advia	42	36 - 54	P 45.2	5.2	19 - 29	P 24.2	2.7	10 - 18	C 14.3	2.3	14 - 22	C 18.0	2.2	26 - 39	P 32.2	3.2	5
Siemens ECO2	43	35 - 52	P 43.4	4.2	20 - 30	P 24.9	1.9	12 - 20	C 15.6	1.6	15 - 23	C 19.0	1.7	25 - 38	P 31.7	2.5	98
Siemens ICO2	44	36 - 54	P 45.0	4.4	19 - 28	P 23.3	3.0	11 - 19	C 14.5	1.7	14 - 22	C 17.8	1.6	26 - 38	P 32.0	2.4	4
Vital Diagnostic Eon	45	31 - 46	P 38.5	2.5	17 - 26	P 21.5	1.1	10 - 18	C 14.3	0.8	13 - 21	C 16.8	1.3	22 - 34	P 28.0	1.6	4
Vital Diagnostics Envoy	46	32 - 48	P 40.0	3.1	16 - 24	P 20.3	1.6	8 - 16	C 11.5	1.1	13 - 21	C 16.5	1.1	22 - 33	P 27.5	1.1	4

Initial Grouping by Sensitivity or Principle

UV/kinetic (rate) methods	47	32 - 49	P 40.6	3.9	17 - 26	P 21.3	2.4	9 - 17	C 13.0	2.1	12 - 20	C 15.5	2.2	23 - 34	P 28.2	3.0	53
Diluted ISE results	48	35 - 53	P 43.8	3.9	18 - 27	P 22.1	2.3	10 - 18	C 14.0	1.7	13 - 21	C 16.8	1.9	24 - 36	P 29.8	2.7	62
UV/bichromatic methods	49	36 - 54	P 44.8	4.3	19 - 28	P 23.3	2.1	10 - 18	C 14.1	1.5	13 - 21	C 17.1	1.8	25 - 37	P 31.2	2.9	81
UV/uncorrected methods	50	34 - 51	P 42.5	4.8	18 - 27	P 22.9	2.7	11 - 19	C 14.7	2.4	13 - 21	C 17.1	2.2	24 - 36	P 29.6	3.7	64
Undiluted ISE results	51	32 - 49	P 40.6	2.8	17 - 25	P 21.1	1.3	10 - 18	C 13.6	1.3	12 - 20	C 15.7	1.4	22 - 34	P 28.0	1.9	43
All other methods	52	35 - 52	P 43.4	4.2	20 - 30	P 24.9	1.9	12 - 20	C 15.6	1.6	15 - 23	C 19.0	1.7	25 - 38	P 31.7	2.5	98

Total Population

Whole Population	53	34 - 51	P 42.7	5.3	18 - 27	P 22.9	2.7	11 - 19	C 14.5	4.5	13 - 21	C 17.2	2.4	24 - 36	P 30.1	3.5	404
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Bilirubin, Total

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	1.9 - 2.9	P 2.42	0.18	0.4 - 1.2	C 0.81	0.07	0 - 0.5	C 0.1	0.04	0 - 0.8	C 0.4	0.04	1.1 - 1.9	C 1.49	0.12	22
Alfa Wassermann & Alfa Wasser Axel/Alera	2	2.3 - 3.4	P 2.83	0.24	0.6 - 1.4	C 0.96	0.06	0 - 0.5	C 0.12	0.04	0.1 - 0.9	C 0.49	0.03	1.3 - 2.1	C 1.73	0.12	23
Beckman Coulter & Beck Coult Unicel DXC	3	2.4 - 3.6	P 3.04	0.19	0.6 - 1.4	C 1.0	0.08	0 - 0.6	C 0.2	0.1	0.1 - 0.9	C 0.52	0.1	1.4 - 2.2	C 1.84	0.11	22

Beckman Coulter & Beck Olym AU 400/600/5400	4	2.3 - 3.4	P 2.86	0.23	0.5 - 1.3	C 0.9	0.06	0 - 0.5	C 0.12	0.04	0 - 0.8	C 0.42	0.04	1.3 - 2.1	C 1.7	0.13	5
Beckman Coulter & Beckman AU 480	5	2.3 - 3.4	P 2.87	0.09	0.6 - 1.4	C 1.0	0.12	0 - 0.5	C 0.1	0.0	0 - 0.8	C 0.43	0.04	1.4 - 2.2	C 1.8	0.24	4
Beckman Olympus & Beck Olym AU 400/600/5400	6	2.3 - 3.5	P 2.91	0.18	0.5 - 1.3	C 0.93	0.06	0 - 0.5	C 0.1	0.0	0 - 0.8	C 0.42	0.05	1.3 - 2.1	C 1.73	0.12	31
Beckman Olympus & Beck Olympus AU 2700	7	2.2 - 3.3	P 2.75	0.27	0.5 - 1.3	C 0.85	0.09	0 - 0.5	C 0.1	0.0	0 - 0.8	C 0.38	0.04	1.2 - 2.0	C 1.58	0.11	4
Beckman Olympus & Beckman AU 480	8	2.3 - 3.4	P 2.83	0.18	0.5 - 1.3	C 0.91	0.06	0 - 0.5	C 0.1	0.0	0 - 0.8	C 0.4	0.0	1.3 - 2.1	C 1.68	0.12	18
Carolina & Beckman Synchro CX37/9/L	9	2.4 - 3.6	P 2.99	0.37	0.7 - 1.5	C 1.09	0.25	0 - 0.7	C 0.31	0.08	0.2 - 1.0	C 0.57	0.09	1.4 - 2.2	C 1.79	0.16	7
Horiba ABX & Horiba ABX 400	10	2.0 - 3.0	P 2.53	0.05	0.4 - 1.2	C 0.8	0.0	0 - 0.4	C 0.03	0.05	0 - 0.8	C 0.37	0.05	1.1 - 1.9	C 1.49	0.03	7
Ortho Vitros & Ortho Vitros 3600, 5600	11	2.0 - 3.0	P 2.5	0.17	0.4 - 1.2	C 0.82	0.06	0 - 0.5	C 0.13	0.05	0 - 0.7	C 0.34	0.08	1.1 - 1.9	C 1.53	0.11	10
Ortho Vitros & Ortho Vitros 5,1 FS	12	2.0 - 3.0	P 2.51	0.08	0.4 - 1.2	C 0.8	0.05	0 - 0.5	C 0.13	0.04	0 - 0.7	C 0.34	0.07	1.1 - 1.9	C 1.51	0.11	8
Ortho Vitros & Ortho Vitros not DT or ECi	13	2.1 - 3.1	P 2.62	0.22	0.4 - 1.2	C 0.84	0.09	0 - 0.5	C 0.13	0.06	0 - 0.8	C 0.35	0.08	1.2 - 2.0	C 1.55	0.11	28
Roche Cobas & Roche Cobas 6000	14	2.0 - 3.0	P 2.46	0.21	0.3 - 1.1	C 0.74	0.05	0 - 0.5	C 0.08	0.1	0 - 0.7	C 0.32	0.04	1.0 - 1.8	C 1.44	0.1	5
Roche Cobas & Roche Cobas Integra	15	1.8 - 2.7	P 2.24	0.23	0.3 - 1.1	C 0.7	0.06	0 - 0.4	C 0.03	0.05	0 - 0.7	C 0.31	0.03	0.9 - 1.7	C 1.34	0.13	10
Roche Cobas & Roche e/c, 1XX, X000, Elec series	16	1.9 - 2.9	P 2.4	0.17	0.3 - 1.1	C 0.72	0.06	0 - 0.6	C 0.2	0.0	0 - 0.7	C 0.3	0.0	1.0 - 1.8	C 1.39	0.07	9
Roche Cobas BILTS & Roche Cobas Integra	17	1.7 - 2.6	P 2.17	0.15	0.3 - 1.1	C 0.7	0.06	0 - 0.5	C 0.1	0.1	0 - 0.7	C 0.3	0.0	0.9 - 1.7	C 1.3	0.08	6
Roche Cobas BILTS & Roche e/c, 1XX, X000, Elec series	18	1.9 - 2.9	P 2.42	0.21	0.3 - 1.1	C 0.72	0.06	0 - 0.6	C 0.16	0.06	0 - 0.7	C 0.3	0.07	1.0 - 1.8	C 1.38	0.13	13
SDI Biomed & SDI CA-240, 480	19	2.4 - 3.6	P 3.01	0.17	0.6 - 1.4	C 1.03	0.09	0 - 0.5	C 0.12	0.06	0.1 - 0.9	C 0.5	0.06	1.4 - 2.2	C 1.83	0.07	11
Sekisui & Beck Olym AU 400/600/5400	20	1.8 - 2.7	P 2.22	0.17	0.3 - 1.1	C 0.7	0.06	0 - 0.4	C 0.04	0.05	0 - 0.7	C 0.32	0.04	1.0 - 1.8	C 1.36	0.1	5
Siemens Advia & Siemens Advia	21	2.1 - 3.2	P 2.66	0.14	0.5 - 1.3	C 0.86	0.05	0 - 0.4	C 0.02	0.04	0 - 0.8	C 0.4	0.0	1.2 - 2.0	C 1.58	0.04	5
Siemens Dimension & Siemens Dim Rxl, Rxl Max	22	2.0 - 3.0	P 2.53	0.17	0.4 - 1.2	C 0.76	0.05	0 - 0.5	C 0.06	0.05	0 - 0.7	C 0.32	0.04	1.1 - 1.9	C 1.48	0.13	8
Siemens Dimension & Siemens Dimension EXL	23	2.0 - 3.0	P 2.51	0.16	0.4 - 1.2	C 0.75	0.06	0 - 0.5	C 0.07	0.06	0 - 0.7	C 0.33	0.05	1.0 - 1.9	C 1.45	0.09	53
Siemens Dimension & Siemens Dimension Xpand	24	2.0 - 3.0	P 2.51	0.15	0.4 - 1.2	C 0.77	0.07	0 - 0.5	C 0.08	0.08	0 - 0.7	C 0.34	0.06	1.1 - 1.9	C 1.46	0.09	34
Synermed & Synermed IR500	25	2.3 - 3.5	P 2.93	0.08	0.5 - 1.4	C 0.95	0.05	0 - 0.4	C 0.0	0.0	0 - 0.8	C 0.4	0.0	1.3 - 2.1	C 1.73	0.04	4
Vital Diagnostic & Vital Diagnostic Eon	26	1.8 - 2.7	P 2.28	0.11	0.2 - 1.0	C 0.55	0.17	0 - 0.7	C 0.25	0.05	0 - 0.8	C 0.35	0.05	1.0 - 1.8	C 1.4	0.25	4

Initial Grouping by Reagent

Abbott Architect	27	1.9 - 2.9	P 2.42	0.18	0.4 - 1.2	C 0.81	0.07	0 - 0.5	C 0.1	0.04	0 - 0.8	C 0.4	0.04	1.1 - 1.9	C 1.49	0.12	22
Alfa Wassermann	28	2.3 - 3.4	P 2.84	0.24	0.6 - 1.4	C 0.96	0.06	0 - 0.5	C 0.12	0.05	0.1 - 0.9	C 0.49	0.03	1.3 - 2.1	C 1.72	0.12	24
Beckman Coulter	29	2.4 - 3.6	P 2.99	0.21	0.6 - 1.4	C 0.99	0.09	0 - 0.6	C 0.17	0.1	0.1 - 0.9	C 0.49	0.1	1.4 - 2.2	C 1.82	0.15	32
Beckman Olympus	30	2.3 - 3.5	P 2.88	0.2	0.5 - 1.3	C 0.91	0.06	0 - 0.5	C 0.1	0.0	0 - 0.8	C 0.41	0.04	1.3 - 2.1	C 1.7	0.13	54
Carolina	31	2.3 - 3.5	P 2.89	0.36	0.6 - 1.4	C 1.01	0.2	0 - 0.7	C 0.25	0.13	0.2 - 1.0	C 0.56	0.11	1.4 - 2.2	C 1.76	0.17	16
Horiba ABX	32	2.0 - 3.0	P 2.53	0.05	0.4 - 1.2	C 0.8	0.0	0 - 0.4	C 0.03	0.05	0 - 0.8	C 0.37	0.05	1.1 - 1.9	C 1.49	0.03	7
Ortho Vitros	33	2.1 - 3.1	P 2.57	0.2	0.4 - 1.2	C 0.82	0.08	0 - 0.5	C 0.12	0.05	0 - 0.7	C 0.34	0.08	1.1 - 1.9	C 1.54	0.11	50
Pointe Scientific	34	2.1 - 3.2	P 2.63	0.13	0.4 - 1.2	C 0.84	0.1	0 - 0.5	C 0.05	0.07	0 - 0.8	C 0.35	0.15	1.1 - 1.9	C 1.54	0.1	10
Roche Cobas	35	1.9 - 2.8	P 2.35	0.22	0.3 - 1.1	C 0.72	0.06	0 - 0.5	C 0.1	0.09	0 - 0.7	C 0.31	0.03	1.0 - 1.8	C 1.38	0.11	24
Roche Cobas BILTS	36	1.9 - 2.8	P 2.32	0.23	0.3 - 1.1	C 0.71	0.06	0 - 0.6	C 0.15	0.09	0 - 0.7	C 0.3	0.06	1.0 - 1.8	C 1.35	0.13	21
SDI Biomed	37	2.4 - 3.6	P 3.01	0.17	0.6 - 1.4	C 1.03	0.09	0 - 0.5	C 0.12	0.06	0.1 - 0.9	C 0.5	0.06	1.4 - 2.2	C 1.83	0.07	11
Sekisui	38	1.9 - 2.9	P 2.4	0.31	0.4 - 1.2	C 0.76	0.14	0 - 0.5	C 0.08	0.1	0 - 0.8	C 0.36	0.13	1.0 - 1.9	C 1.45	0.17	8
Siemens Advia	39	2.1 - 3.2	P 2.66	0.14	0.5 - 1.3	C 0.86	0.05	0 - 0.4	C 0.02	0.04	0 - 0.8	C 0.4	0.0	1.2 - 2.0	C 1.58	0.04	5
Siemens Dimension	40	2.0 - 3.0	P 2.51	0.16	0.4 - 1.2	C 0.76	0.06	0 - 0.5	C 0.07	0.06	0 - 0.7	C 0.33	0.05	1.1 - 1.9	C 1.46	0.1	98
Siemens caffeine	41	2.1 - 3.2	P 2.65	0.15	0.4 - 1.2	C 0.83	0.11	0 - 0.5	C 0.1	0.0	0 - 0.8	C 0.38	0.08	1.1 - 1.9	C 1.53	0.11	4
Synermed	42	2.2 - 3.3	P 2.76	0.34	0.5 - 1.3	C 0.94	0.05	0 - 0.4	C 0.02	0.04	0 - 0.8	C 0.42	0.04	1.2 - 2.0	C 1.64	0.17	5
Vital Diagnostic	43	1.8 - 2.7	P 2.28	0.11	0.2 - 1.0	C 0.55	0.17	0 - 0.7	C 0.25	0.05	0 - 0.8	C 0.35	0.05	1.0 - 1.8	C 1.4	0.25	4

Initial Grouping by Sensitivity or Principle

Oxidation	44	2.1 - 3.2	P 2.68	0.26	0.5 - 1.3	C 0.91	0.06	0 - 0.5	C 0.06	0.08	0 - 0.8	C 0.43	0.04	1.2 - 2.0	C 1.59	0.13	13
Diazonium ion	45	2.2 - 3.2	P 2.69	0.28	0.5 - 1.3	C 0.87	0.12	0 - 0.5	C 0.12	0.07	0 - 0.8	C 0.4	0.09	1.2 - 2.0	C 1.61	0.16	152
Diazo/DMSO	46	2.2 - 3.2	P 2.7	0.28	0.5 - 1.3	C 0.87	0.16	0 - 0.5	C 0.11	0.07	0 - 0.8	C 0.43	0.11	1.2 - 2.0	C 1.62	0.19	41
Diazo/caffeine-benzoate	47	2.1 - 3.1	P 2.62	0.27	0.4 - 1.2	C 0.81	0.12	0 - 0.5	C 0.1	0.09	0 - 0.8	C 0.37	0.1	1.1 - 1.9	C 1.54	0.19	142
Diazo/surfactant	48	2.0 - 3.0	P 2.49	0.36	0.4 - 1.2	C 0.79	0.16	0 - 0.5	C 0.12	0.09	0 - 0.8	C 0.35	0.11	1.1 - 1.9	C 1.47	0.22	62

Total Population

Whole Population	49	2.1 - 3.2	P 2.63	0.35	0.5 - 1.3	C 0.85	0.23	0 - 0.5	C 0.12	0.15	0 - 0.8	C 0.39	0.13	1.2 - 2.0	C 1.56	0.21	413
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Calcium

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	12.4 - 14.4	C 13.42	0.16	7.0 - 9.0	C 7.95	0.1	4.6 - 6.6	C 5.63	0.07	5.6 - 7.6	C 6.64	0.09	9.0 - 11.0	C 10.02	0.09	22
Alfa Wassermann & Alfa Wasser Axel/Alera	2	11.8 - 13.8	C 12.77	0.3	7.2 - 9.2	C 8.21	0.22	4.8 - 6.8	C 5.84	0.16	5.9 - 7.9	C 6.92	0.16	9.2 - 11.2	C 10.17	0.27	23
Beckman Coulter & Beck Coult Unicel DXC	3	11.9 - 13.9	C 12.94	0.16	7.1 - 9.1	C 8.05	0.11	4.6 - 6.6	C 5.64	0.07	5.8 - 7.8	C 6.8	0.12	8.9 - 10.9	C 9.9	0.1	8
Beckman Coulter & Beck Olym AU 400/600/5400	4	12.4 - 14.4	C 13.43	0.28	7.0 - 9.0	C 7.98	0.13	4.6 - 6.6	C 5.63	0.11	5.6 - 7.6	C 6.63	0.11	9.0 - 11.0	C 10.02	0.16	6
Beckman Coulter & Beckman AU 480	5	12.3 - 14.3	C 13.27	0.29	7.0 - 9.0	C 8.0	0.28	4.6 - 6.6	C 5.63	0.21	5.6 - 7.6	C 6.6	0.26	8.9 - 10.9	C 9.93	0.27	6
Beckman ISE & Beck Coult Unicel DXC	6	12.0 - 14.0	C 12.98	0.2	7.1 - 9.1	C 8.1	0.1	4.7 - 6.7	C 5.67	0.09	5.8 - 7.8	C 6.79	0.09	8.9 - 10.9	C 9.93	0.13	15
Beckman Olympus Arsenazo & Beck Olym AU 400/600/5400	7	12.3 - 14.3	C 13.33	0.25	7.1 - 9.1	C 8.09	0.2	4.7 - 6.7	C 5.69	0.16	5.7 - 7.7	C 6.72	0.2	9.1 - 11.1	C 10.07	0.19	26
Beckman Olympus Arsenazo & Beckman AU 480	8	12.4 - 14.4	C 13.41	0.23	7.1 - 9.1	C 8.08	0.13	4.6 - 6.6	C 5.64	0.09	5.7 - 7.7	C 6.73	0.11	9.1 - 11.1	C 10.06	0.15	16

Carolina & Beckman Synchron CX3/7/9/L	9	11.6 - 13.6	C 12.57	0.55	6.9 - 8.9	C 7.93	0.43	4.6 - 6.6	C 5.56	0.29	5.6 - 7.6	C 6.56	0.4	8.7 - 10.7	C 9.74	0.58	7
Horiba ABX & Horiba ABX 400	10	12.4 - 14.4	C 13.36	0.34	6.9 - 8.9	C 7.94	0.26	4.4 - 6.4	C 5.39	0.12	5.6 - 7.6	C 6.59	0.2	9.1 - 11.1	C 10.14	0.18	7
Medica Easy RA & Medica Easy RA	11	12.0 - 14.0	C 13.04	0.65	7.0 - 9.0	C 7.96	0.29	4.7 - 6.7	C 5.65	0.48	5.7 - 7.7	C 6.66	0.33	8.9 - 10.9	C 9.92	0.28	8
Ortho Vitros & Ortho Vitros 3600, 5600	12	11.9 - 13.9	C 12.85	0.22	7.0 - 9.0	C 8.01	0.1	4.1 - 6.1	C 5.14	0.08	5.7 - 7.7	C 6.65	0.12	8.9 - 10.9	C 9.93	0.17	10
Ortho Vitros & Ortho Vitros 5,1 FS	13	11.9 - 13.9	C 12.93	0.21	7.0 - 9.0	C 7.99	0.08	4.1 - 6.1	C 5.1	0.07	5.6 - 7.6	C 6.6	0.07	8.9 - 10.9	C 9.92	0.14	8
Ortho Vitros & Ortho Vitros not DT or ECI	14	12.1 - 14.1	C 13.08	0.29	7.0 - 9.0	C 7.98	0.18	4.2 - 6.2	C 5.16	0.14	5.6 - 7.6	C 6.6	0.14	9.0 - 11.0	C 10.02	0.2	29
Roche Cobas & Roche Cobas 6000	15	12.5 - 14.5	C 13.48	0.29	7.1 - 9.1	C 8.05	0.2	4.7 - 6.7	C 5.65	0.53	5.7 - 7.7	C 6.66	0.17	9.1 - 11.1	C 10.08	0.2	6
Roche Cobas & Roche Cobas Integra	16	12.2 - 14.2	C 13.18	0.39	7.0 - 9.0	C 8.03	0.23	4.3 - 6.3	C 5.32	0.14	5.7 - 7.7	C 6.68	0.18	9.0 - 11.0	C 9.96	0.3	16
Roche Cobas & Roche e/c, 1XX, X000, Elec series	17	12.5 - 14.5	C 13.45	0.28	7.1 - 9.1	C 8.14	0.2	4.5 - 6.5	C 5.47	0.14	5.8 - 7.8	C 6.79	0.14	9.2 - 11.2	C 10.18	0.21	22
SDI Biomed & SDI CA-240, 480	18	11.7 - 13.7	C 12.67	0.21	6.8 - 8.8	C 7.83	0.17	3.9 - 5.9	C 4.89	0.19	5.7 - 7.7	C 6.69	0.21	8.9 - 10.9	C 9.9	0.22	10
Sekisui & Beck Olym AU 400/600/5400	19	11.5 - 13.5	C 12.48	0.43	6.9 - 8.9	C 7.88	0.19	4.5 - 6.5	C 5.46	0.22	5.7 - 7.7	C 6.7	0.15	8.8 - 10.8	C 9.82	0.3	5
Siemens OCPC & Siemens Dim RxL, RxL Max	20	11.8 - 13.8	C 12.83	0.2	6.8 - 8.8	C 7.81	0.23	4.3 - 6.3	C 5.29	0.2	5.7 - 7.7	C 6.7	0.19	8.7 - 10.7	C 9.69	0.2	8
Siemens OCPC & Siemens Dimension EXL	21	11.7 - 13.7	C 12.69	0.29	6.8 - 8.8	C 7.75	0.2	4.2 - 6.2	C 5.19	0.2	5.6 - 7.6	C 6.56	0.22	8.6 - 10.6	C 9.58	0.25	54
Siemens OCPC & Siemens Dimension Xpand	22	11.7 - 13.7	C 12.68	0.35	6.8 - 8.8	C 7.78	0.2	4.2 - 6.2	C 5.18	0.18	5.6 - 7.6	C 6.55	0.18	8.6 - 10.6	C 9.61	0.19	33
Siemens arsenazo & Siemens Advia	23	12.3 - 14.3	C 13.32	0.25	7.1 - 9.1	C 8.06	0.24	4.7 - 6.7	C 5.72	0.23	5.7 - 7.7	C 6.7	0.17	9.1 - 11.1	C 10.06	0.23	5
Vital Diagnostic & Vital Diagnostic Eon	24	12.4 - 14.4	C 13.38	0.43	6.8 - 8.8	C 7.83	0.46	4.7 - 6.7	C 5.7	0.51	5.7 - 7.7	C 6.65	0.35	8.7 - 10.7	C 9.7	0.52	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	25	11.7 - 13.7	C 12.73	0.08	6.7 - 8.7	C 7.65	0.11	4.5 - 6.5	C 5.45	0.09	5.3 - 7.3	C 6.28	0.13	8.7 - 10.7	C 9.7	0.08	4
Initial Grouping by Reagent																	
Abbott	26	12.4 - 14.4	C 13.42	0.16	7.0 - 9.0	C 7.95	0.1	4.6 - 6.6	C 5.63	0.07	5.6 - 7.6	C 6.64	0.09	9.0 - 11.0	C 10.02	0.09	22
Alfa Wassermann	27	11.8 - 13.8	C 12.76	0.3	7.2 - 9.2	C 8.2	0.22	4.8 - 6.8	C 5.83	0.16	5.9 - 7.9	C 6.89	0.2	9.2 - 11.2	C 10.16	0.27	24
Beckman Coulter	28	12.2 - 14.2	C 13.19	0.32	7.0 - 9.0	C 8.01	0.19	4.6 - 6.6	C 5.64	0.14	5.7 - 7.7	C 6.69	0.19	8.9 - 10.9	C 9.94	0.19	20
Beckman ISE	29	12.0 - 14.0	C 13.0	0.21	7.1 - 9.1	C 8.09	0.11	4.7 - 6.7	C 5.67	0.08	5.8 - 7.8	C 6.78	0.09	8.9 - 10.9	C 9.94	0.13	16
Beckman Olympus Arsenazo	30	12.4 - 14.4	C 13.35	0.25	7.1 - 9.1	C 8.07	0.17	4.7 - 6.7	C 5.66	0.14	5.7 - 7.7	C 6.72	0.17	9.1 - 11.1	C 10.07	0.17	46
Beckman Olympus OCPC	31	12.6 - 14.6	C 13.6	0.12	6.9 - 8.9	C 7.93	0.13	4.6 - 6.6	C 5.58	0.11	5.6 - 7.6	C 6.55	0.15	9.1 - 11.1	C 10.08	0.04	4
Carolina	32	11.8 - 13.8	C 12.81	0.63	6.9 - 8.9	C 7.89	0.35	4.4 - 6.4	C 5.41	0.28	5.5 - 7.5	C 6.48	0.33	8.9 - 10.9	C 9.89	0.49	15
Horiba ABX	33	12.4 - 14.4	C 13.36	0.34	6.9 - 8.9	C 7.94	0.26	4.4 - 6.4	C 5.39	0.12	5.6 - 7.6	C 6.59	0.2	9.1 - 11.1	C 10.14	0.18	7
Medica Easy RA	34	12.0 - 14.0	C 13.04	0.65	7.0 - 9.0	C 7.96	0.29	4.7 - 6.7	C 5.65	0.48	5.7 - 7.7	C 6.66	0.33	8.9 - 10.9	C 9.92	0.28	8
Ortho Vitros	35	12.0 - 14.0	C 12.99	0.28	7.0 - 9.0	C 7.98	0.16	4.1 - 6.1	C 5.13	0.14	5.6 - 7.6	C 6.6	0.14	9.0 - 11.0	C 9.98	0.19	51
Pointe Sci Arsenazo	36	11.7 - 13.7	C 12.74	0.43	7.0 - 9.0	C 8.02	0.41	4.5 - 6.5	C 5.54	0.22	5.7 - 7.7	C 6.7	0.17	8.9 - 10.9	C 9.88	0.37	5
Pointe Sci OCPC	37	12.0 - 14.0	C 12.97	0.85	6.9 - 8.9	C 7.93	0.33	4.2 - 6.2	C 5.15	0.24	5.5 - 7.5	C 6.53	0.27	8.9 - 10.9	C 9.92	0.42	6
Roche Cobas	38	12.4 - 14.4	C 13.35	0.35	7.1 - 9.1	C 8.09	0.22	4.4 - 6.4	C 5.44	0.26	5.7 - 7.7	C 6.73	0.17	9.1 - 11.1	C 10.09	0.27	44
SDI Biomed	39	11.7 - 13.7	C 12.67	0.21	6.8 - 8.8	C 7.83	0.17	3.9 - 5.9	C 4.89	0.19	5.7 - 7.7	C 6.69	0.21	8.9 - 10.9	C 9.9	0.22	10
Sekisui	40	11.5 - 13.5	C 12.53	0.46	6.9 - 8.9	C 7.92	0.19	4.6 - 6.6	C 5.59	0.26	5.8 - 7.8	C 6.78	0.18	8.9 - 10.9	C 9.86	0.29	8
Siemens OCPC	41	11.7 - 13.7	C 12.71	0.33	6.8 - 8.8	C 7.77	0.21	4.2 - 6.2	C 5.21	0.22	5.6 - 7.6	C 6.57	0.21	8.6 - 10.6	C 9.61	0.25	100
Siemens arsenazo	42	12.2 - 14.2	C 13.22	0.32	7.1 - 9.1	C 8.05	0.22	4.7 - 6.7	C 5.68	0.23	5.7 - 7.7	C 6.72	0.16	9.0 - 11.0	C 10.03	0.22	6
Synermed	43	11.6 - 13.6	C 12.63	0.25	7.2 - 9.2	C 8.18	0.19	4.9 - 6.9	C 5.9	0.37	5.6 - 7.6	C 6.58	0.19	8.9 - 10.9	C 9.85	0.21	4
Vital Diagnostic	44	12.4 - 14.4	C 13.38	0.43	6.8 - 8.8	C 7.83	0.46	4.7 - 6.7	C 5.7	0.51	5.7 - 7.7	C 6.65	0.35	8.7 - 10.7	C 9.7	0.52	4
Vital Diagnostics Envoy	45	11.7 - 13.7	C 12.73	0.08	6.7 - 8.7	C 7.65	0.11	4.5 - 6.5	C 5.45	0.09	5.3 - 7.3	C 6.28	0.13	8.7 - 10.7	C 9.7	0.08	4
Initial Grouping by Sensitivity or Principle																	
Arsenazo-based	46	12.1 - 14.1	C 13.05	0.44	7.0 - 9.0	C 8.0	0.23	4.5 - 6.5	C 5.5	0.33	5.7 - 7.7	C 6.67	0.22	9.0 - 11.0	C 10.0	0.26	238
Other, electrochemical	47	12.0 - 14.0	C 13.0	0.21	7.1 - 9.1	C 8.09	0.11	4.7 - 6.7	C 5.67	0.08	5.8 - 7.8	C 6.78	0.09	8.9 - 10.9	C 9.94	0.13	16
OCPC (o-cresolphth complex)	48	12.0 - 14.0	C 12.95	0.48	6.9 - 8.9	C 7.87	0.27	4.3 - 6.3	C 5.31	0.28	5.6 - 7.6	C 6.62	0.23	8.8 - 10.8	C 9.78	0.35	161
Total Population																	
Whole Population	49	12.0 - 14.0	C 12.99	0.51	7.0 - 9.0	C 7.96	0.27	4.6 - 6.6	C 5.55	2.38	5.7 - 7.7	C 6.65	0.3	8.9 - 10.9	C 9.89	0.43	421

Chloride

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	110 - 122	P 116.1	1.2	88 - 97	P 92.8	1.0	88 - 97	P 92.5	0.8	83 - 91	P 87.1	0.8	96 - 107	P 101.5	0.9	22
Alfa Wassermann & Alfa Wasser Excel/Alera	2	127 - 140	P 133.5	2.7	89 - 98	P 93.8	1.3	85 - 94	P 89.5	1.2	80 - 89	P 84.6	1.1	101 - 112	P 106.5	1.3	24
Beckman Coulter & Beck Coulter Unicel DXC	3	108 - 120	P 114.0	1.6	87 - 96	P 91.1	1.1	87 - 96	P 91.3	1.1	81 - 90	P 85.6	0.8	95 - 105	P 100.3	1.5	23
Beckman Coulter & Beck Olym AU 400/600/5400	4	108 - 120	P 114.2	0.7	87 - 96	P 91.4	0.8	85 - 94	P 89.8	0.4	81 - 89	P 85.2	0.7	95 - 105	P 100.2	0.7	5
Beckman Coulter & Beckman AU 480	5	108 - 119	P 113.4	1.4	86 - 95	P 90.6	1.0	85 - 94	P 89.2	0.7	80 - 89	P 84.5	1.5	94 - 104	P 99.2	0.7	5
Beckman Olympus & Beck Olym AU 400/600/5400	6	109 - 121	P 114.9	1.5	86 - 95	P 90.9	0.8	85 - 94	P 89.9	0.8	81 - 89	P 85.0	1.0	95 - 105	P 100.1	1.1	38
Beckman Olympus & Beck Olympus AU 2700	7	109 - 120	P 114.5	1.1	86 - 96	P 91.0	1.2	84 - 93	P 88.5	1.1	80 - 89	P 84.5	1.1	95 - 105	P 99.8	0.8	4
Beckman Olympus & Beckman AU 480	8	109 - 120	P 114.7	1.5	87 - 96	P 91.1	1.1	85 - 94	P 89.9	0.9	81 - 89	P 84.9	0.8	95 - 105	P 100.1	1.3	19
Carolina & Beckman Synchron CX3/7/9/L	9	111 - 123	P 116.8	1.8	88 - 98	P 93.0	0.7	88 - 97	P 92.5	1.1	84 - 93	P 88.5	3.3	97 - 108	P 102.5	2.8	6
Diamond Diagnostics & Beck Olym AU 400/600/5400	10	108 - 119	P 113.8	1.3	87 - 96	P 91.7	0.9	86 - 96	P 91.0	1.9	82 - 91	P 86.3	1.8	95 - 105	P 100.3	0.8	4
Horiba ABX & Horiba ABX 400	11	120 - 133	P 126.7	4.7	87 - 97	P 92.0	1.5	82 - 91	P 86.7	0.5	80 - 88	P 84.2	0.7	99 - 109	P 104.2	2.5	6
Medica Easy RA & Medica Easy RA	12	126 - 139	P 132.8	2.5	88 - 97	P 92.2	1.7	83 - 92	P 87.7	1.6	79 - 87	P 83.1	1.5	102 - 112	P 106.9	1.7	9
Ortho Vitros & Ortho Vitros 3600, 5600	13	115 - 127	P 121.2	1.7	87 - 97	P 92.0	1.3	86 - 95	P 90.2	1.3	81 - 90	P 85.6	1.3	98 - 108	P 102.8	1.6	9
Ortho Vitros & Ortho Vitros 5,1 FS	14	116 - 128	P 122.3	0.8	88 - 97	P 92.6	0.9	87 - 96	P 91.1	0.8	82 - 90	P 86.0	1.0	98 - 108	P 103.1	1.1	8
Ortho Vitros & Ortho Vitros not DT or ECI	15	116 - 128	P 121.6	1.1	88 - 97	P 92.3	0.9	86 - 95	P 90.6	0.8	82 - 90	P 86.0	0.9	98 - 108	P 103.1	1.2	29

Roche Cobas dil ISE & Roche Cobas 6000	16	112 - 124	P 118.3	0.9	83 - 92	P 87.7	0.7	81 - 89	P 85.0	0.6	77 - 85	P 81.3	1.4	94 - 104	P 99.3	0.5	6
Roche Cobas dil ISE & Roche Cobas Integra	17	114 - 125	P 119.5	1.1	87 - 96	P 91.2	0.9	83 - 92	P 87.6	1.0	80 - 88	P 84.1	1.1	96 - 106	P 101.4	0.9	14
Roche Cobas dil ISE & Roche e/c, 1XX, X000, Elec series	18	112 - 124	P 118.2	2.4	84 - 93	P 88.3	1.3	81 - 89	P 84.9	1.7	76 - 84	P 79.9	2.2	94 - 104	P 99.4	1.5	16
Roche Cobas und ISE & Roche e/c, 1XX, X000, Elec series	19	113 - 125	P 119.2	1.5	85 - 94	P 89.6	2.8	82 - 91	P 86.2	2.6	78 - 86	P 82.2	2.6	96 - 106	P 100.8	2.4	5
SDI Biomed & SDI CA-240, 480	20	119 - 131	P 124.8	0.7	89 - 98	P 93.6	1.3	86 - 95	P 90.0	1.8	82 - 90	P 86.0	1.7	99 - 109	P 104.1	1.8	9
Siemens Advia & Siemens Advia	21	115 - 127	P 120.9	2.4	88 - 97	P 92.4	1.0	87 - 96	P 91.1	0.6	81 - 90	P 85.4	1.9	98 - 108	P 103.3	0.9	7
Siemens QuickLYTE IMT & Siemens Dim RxL, RxL Max	22	120 - 132	P 126.0	1.7	86 - 95	P 90.4	1.1	82 - 90	P 86.0	1.3	78 - 86	P 81.8	1.4	97 - 108	P 102.6	1.4	8
Siemens QuickLYTE IMT & Siemens Dimension EXL	23	117 - 129	P 123.3	1.8	87 - 96	P 91.9	1.0	84 - 93	P 88.1	0.9	80 - 88	P 83.8	1.0	98 - 109	P 103.6	1.1	55
Siemens QuickLYTE IMT & Siemens Dimension Xpand	24	117 - 129	P 123.1	1.4	87 - 96	P 91.4	1.0	84 - 92	P 87.9	0.8	79 - 88	P 83.5	1.2	98 - 108	P 103.2	1.1	34
Vital Diagnostic Eon & Vital Diagnostic Eon	25	121 - 134	P 127.8	3.3	86 - 95	P 90.0	0.7	82 - 90	P 85.8	0.8	80 - 88	P 83.8	2.6	99 - 110	P 104.3	1.6	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	26	118 - 130	P 124.0	2.1	88 - 97	P 92.3	1.6	85 - 94	P 89.8	1.5	80 - 89	P 84.5	2.1	99 - 109	P 104.0	2.1	4

Initial Grouping by Reagent

Abbott	27	110 - 122	P 116.1	1.2	88 - 97	P 92.8	1.0	88 - 97	P 92.5	0.8	83 - 91	P 87.1	0.8	96 - 107	P 101.5	0.9	22
Alfa Wassermann	28	127 - 140	P 133.6	2.8	89 - 98	P 93.8	1.3	85 - 94	P 89.4	1.2	80 - 89	P 84.5	1.2	101 - 112	P 106.5	1.3	25
Beckman Coulter	29	108 - 120	P 113.9	1.5	87 - 96	P 91.1	1.0	86 - 95	P 90.8	1.3	81 - 90	P 85.4	1.0	95 - 105	P 100.1	1.4	33
Beckman Olympus	30	109 - 121	P 114.8	1.5	86 - 95	P 90.9	1.0	85 - 94	P 89.8	0.9	81 - 89	P 84.9	0.9	95 - 105	P 100.1	1.1	64
Carolina	31	112 - 124	P 118.2	7.5	87 - 96	P 91.8	1.6	86 - 95	P 90.6	2.8	83 - 91	P 86.9	3.3	98 - 109	P 103.5	3.6	12
Diamond Diagnostics	32	110 - 121	P 115.4	3.5	87 - 96	P 91.3	0.9	86 - 95	P 90.7	1.5	83 - 91	P 86.9	2.6	97 - 107	P 101.9	3.1	8
Horiba ABX	33	120 - 133	P 126.7	4.7	87 - 97	P 92.0	1.5	82 - 91	P 86.7	0.5	80 - 88	P 84.2	0.7	99 - 109	P 104.2	2.5	6
Medica EasyRA	34	126 - 139	P 132.8	2.5	88 - 97	P 92.2	1.7	83 - 92	P 87.7	1.6	79 - 87	P 83.1	1.5	102 - 112	P 106.9	1.7	9
Medica EasyLyte	35	125 - 138	P 131.8	7.2	89 - 99	P 94.0	3.0	86 - 95	P 90.8	2.9	82 - 90	P 86.0	3.4	104 - 115	P 109.2	2.1	5
Ortho Vitros	36	116 - 128	P 121.6	1.3	88 - 97	P 92.3	1.0	86 - 95	P 90.6	1.0	82 - 90	P 85.9	1.0	98 - 108	P 103.1	1.3	50
Pointe Scientific	37	116 - 129	P 122.5	8.2	88 - 97	P 92.3	1.6	86 - 95	P 90.2	1.1	81 - 90	P 85.3	0.5	99 - 110	P 104.3	4.7	6
Roche Cobas dil ISE	38	113 - 125	P 118.7	1.9	85 - 94	P 89.4	1.9	82 - 90	P 86.0	1.9	78 - 86	P 81.8	2.6	95 - 105	P 100.2	1.5	36
Roche Cobas und ISE	39	114 - 126	P 119.9	1.9	85 - 94	P 89.4	2.3	82 - 90	P 86.0	2.2	77 - 85	P 81.4	2.5	95 - 105	P 100.4	1.9	9
SDI Biomed	40	118 - 131	P 124.7	0.7	89 - 98	P 93.5	1.2	85 - 94	P 89.8	1.8	82 - 90	P 85.8	1.7	99 - 109	P 103.9	1.8	10
Siemens Advia	41	115 - 127	P 120.9	2.4	88 - 97	P 92.4	1.0	87 - 96	P 91.1	0.6	81 - 90	P 85.4	1.9	98 - 108	P 103.3	0.9	7
Siemens QuickLYTE IMT	42	117 - 130	P 123.4	1.8	87 - 96	P 91.6	1.1	84 - 92	P 87.9	1.1	79 - 88	P 83.5	1.2	98 - 109	P 103.4	1.2	100
Vital Diagnostic Eon	43	121 - 134	P 127.8	3.3	86 - 95	P 90.0	0.7	82 - 90	P 85.8	0.8	80 - 88	P 83.8	2.6	99 - 110	P 104.3	1.6	4
Vital Diagnostics Envoy	44	118 - 130	P 124.0	2.1	88 - 97	P 92.3	1.6	85 - 94	P 89.8	1.5	80 - 89	P 84.5	2.1	99 - 109	P 104.0	2.1	4

Initial Grouping by Sensitivity or Principle

Undiluted ISE	45	119 - 131	P 125.2	6.8	88 - 97	P 92.4	1.8	85 - 94	P 89.6	2.0	81 - 89	P 85.0	2.1	99 - 109	P 104.1	2.8	116
Colorimetric	46	116 - 129	P 122.6	5.3	89 - 98	P 93.2	1.4	86 - 95	P 90.2	1.8	82 - 91	P 86.2	2.1	99 - 109	P 103.9	3.1	19
Diluted ISE	47	113 - 125	P 119.0	4.8	87 - 96	P 91.2	1.5	85 - 93	P 89.0	2.2	80 - 89	P 84.3	2.1	97 - 107	P 101.7	2.2	286

Total Population

Whole Population	48	115 - 127	P 120.7	7.2	87 - 96	P 91.7	2.1	85 - 94	P 89.3	2.5	80 - 89	P 84.7	2.9	98 - 108	P 102.7	4.2	421
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Cholesterol, Total

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	212 - 259	P 235.1	1.7	105 - 129	P 117.2	0.8	45 - 55	P 50.0	0.5	79 - 97	P 88.0	1.0	145 - 177	P 160.9	1.3	22
Alfa Wassermann & Alfa Wasser Axcel/Alera	2	210 - 256	P 232.8	4.6	106 - 130	P 118.2	1.7	45 - 55	P 50.4	1.2	80 - 98	P 88.9	2.3	145 - 177	P 160.6	3.3	19
Beckman Coulter & Beck Coulter Unicel DXC	3	215 - 263	P 239.4	5.6	107 - 131	P 118.8	2.8	43 - 52	P 47.5	1.2	80 - 98	P 88.9	1.7	148 - 181	P 164.6	4.0	20
Beckman Coulter & Beckman AU 480	4	202 - 247	P 224.5	5.2	101 - 124	P 112.5	3.4	42 - 51	P 46.3	1.5	76 - 93	P 84.8	2.4	140 - 171	P 155.5	3.2	4
Beckman Olympus & Beck Olym AU 400/600/5400	5	204 - 249	P 226.3	4.9	101 - 124	P 112.5	3.1	41 - 50	P 45.6	1.6	75 - 92	P 83.8	2.4	139 - 170	P 154.4	4.0	26
Beckman Olympus & Beck Olympus AU 2700	6	201 - 245	P 223.0	2.2	101 - 124	P 112.5	2.3	42 - 51	P 46.3	1.6	76 - 93	P 84.5	2.1	138 - 169	P 153.5	1.7	4
Beckman Olympus & Beckman AU 480	7	204 - 250	P 227.1	3.8	102 - 125	P 113.8	2.2	41 - 51	P 46.0	1.2	77 - 94	P 85.2	1.5	141 - 173	P 157.1	3.8	16
Carolina & Beck Olym AU 400/600/5400	8	221 - 270	P 245.5	8.7	114 - 140	P 127.0	4.5	48 - 58	P 53.0	3.1	86 - 105	P 95.8	4.3	154 - 189	P 171.5	7.1	4
Carolina & Beckman Synchron CX3/7/9/L	9	223 - 273	P 248.0	14.8	112 - 137	P 124.8	4.0	47 - 58	P 52.3	2.9	86 - 106	P 96.0	5.0	156 - 190	P 172.8	7.4	7
Horiba ABX & Horiba ABX 400	10	209 - 255	P 232.0	3.0	107 - 130	P 118.5	0.9	45 - 55	P 50.0	0.7	79 - 97	P 87.8	1.1	144 - 176	P 159.8	2.6	4
Ortho Vitros & Ortho Vitros 3600, 5600	11	209 - 255	P 232.2	13.6	99 - 121	P 110.4	8.4	45 - 55	P 50.2	2.3	75 - 91	P 83.0	7.2	142 - 174	P 158.1	10.4	10
Ortho Vitros & Ortho Vitros 5,1 FS	12	210 - 257	P 233.6	10.7	98 - 120	P 109.0	2.1	45 - 55	P 50.0	0.0	73 - 89	P 80.9	4.6	140 - 172	P 156.1	2.5	8
Ortho Vitros & Ortho Vitros not DT or ECI	13	203 - 248	P 225.4	6.3	99 - 122	P 110.5	4.1	43 - 53	P 48.2	2.5	74 - 90	P 81.9	5.1	141 - 173	P 157.0	5.5	25
Pointe Scientific & Beck Olym AU 400/600/5400	14	206 - 251	P 228.5	2.2	102 - 125	P 113.5	4.6	42 - 51	P 46.8	2.3	77 - 94	P 85.0	3.7	140 - 171	P 155.0	6.0	4
Pointe Scientific & Other spectrophotometers	15	212 - 259	P 235.4	5.9	109 - 133	P 121.2	6.4	44 - 54	P 48.8	2.0	79 - 97	P 87.8	2.4	142 - 174	P 158.2	5.7	5
Pointe Scientific & Pointe Sci 180/Sterl 2000	16	203 - 248	P 225.7	11.5	103 - 126	P 114.5	4.3	43 - 53	P 48.3	4.0	77 - 94	P 85.4	4.9	143 - 175	P 158.8	7.1	9
Roche Cobas & Roche Cobas 6000	17	213 - 260	P 236.3	2.2	107 - 131	P 118.7	2.2	45 - 56	P 50.5	2.4	80 - 98	P 89.2	2.1	145 - 177	P 161.3	2.6	7
Roche Cobas & Roche Cobas Integra	18	204 - 250	P 227.1	5.4	104 - 127	P 115.2	1.9	43 - 52	P 47.6	1.2	78 - 96	P 86.9	1.8	142 - 174	P 158.1	3.5	14
Roche Cobas & Roche e/c, 1XX, X000, Elec series	19	210 - 256	P 232.9	6.3	106 - 130	P 117.8	3.4	45 - 55	P 50.0	1.9	80 - 97	P 88.6	2.6	144 - 176	P 160.4	4.3	22
SDI Biomed & SDI CA-240, 480	20	218 - 267	P 242.7	4.1	107 - 131	P 118.7	1.5	49 - 60	P 54.1	3.1	82 - 100	P 91.1	1.6	148 - 181	P 164.6	3.5	8

Sekisui & Beck Olym AU 400/600/5400	21	208 - 254	P 231.0	3.4	107 - 130	P 118.5	4.2	44 - 53	P 48.5	0.5	79 - 97	P 88.0	3.0	146 - 179	P 162.3	1.5	4
Siemens Advia & Siemens Advia	22	210 - 257	P 233.5	5.7	105 - 129	P 117.0	1.4	44 - 54	P 49.0	1.2	78 - 95	P 86.8	1.9	145 - 178	P 161.5	1.8	4
Siemens Dimension & Siemens Dim RxL, RxL Max	23	207 - 254	P 230.5	4.4	104 - 127	P 115.9	2.8	44 - 54	P 49.1	2.1	78 - 96	P 87.0	2.0	143 - 174	P 158.6	3.0	8
Siemens Dimension & Siemens Dimension EXL	24	206 - 252	P 229.4	4.0	103 - 126	P 114.6	3.0	44 - 54	P 49.3	1.9	77 - 94	P 85.9	2.6	141 - 173	P 156.9	3.2	53
Siemens Dimension & Siemens Dimension Xpand	25	207 - 252	P 229.5	4.6	103 - 126	P 114.9	2.5	44 - 54	P 48.9	2.6	78 - 95	P 86.6	2.3	142 - 173	P 157.6	2.9	33
Stering Diagnostic & Other spectrophotometers	26	200 - 245	P 222.6	9.5	105 - 129	P 117.0	4.8	46 - 56	P 50.8	3.2	78 - 96	P 86.9	1.8	139 - 170	P 154.4	5.0	11
Stering Diagnostic & Pointe Sci 180/Sterl 2000	27	205 - 250	P 227.3	8.5	103 - 126	P 114.6	2.3	43 - 52	P 47.4	1.8	77 - 94	P 85.4	2.4	139 - 170	P 154.3	5.8	7
Vital Diagnostics Envoy & Vital Diagnostic Envoy	28	209 - 256	P 232.5	4.6	104 - 127	P 115.0	3.1	44 - 54	P 49.3	1.9	81 - 99	P 90.0	4.2	144 - 176	P 160.3	3.9	4

Initial Grouping by Reagent

Abbott	29	212 - 259	P 235.1	1.7	105 - 129	P 117.2	0.8	45 - 55	P 50.0	0.5	79 - 97	P 88.0	1.0	145 - 177	P 160.9	1.3	22
Alfa Wassermann	30	209 - 256	P 232.4	4.8	106 - 130	P 117.9	2.0	45 - 55	P 50.3	1.3	80 - 98	P 88.9	2.2	144 - 177	P 160.5	3.3	20
Beckman Coulter	31	212 - 260	P 236.0	8.7	105 - 129	P 117.0	4.3	42 - 52	P 46.9	1.7	79 - 96	P 87.6	3.2	146 - 178	P 162.1	5.8	28
Beckman Olympus	32	203 - 248	P 225.9	4.9	101 - 124	P 112.7	3.1	41 - 50	P 45.7	1.6	76 - 93	P 84.2	2.4	140 - 171	P 155.0	4.3	48
Carolina	33	221 - 270	P 245.0	11.9	112 - 136	P 124.0	5.5	46 - 57	P 51.5	3.1	85 - 104	P 94.2	5.0	153 - 187	P 170.1	7.6	16
Horiba ABX	34	209 - 255	P 232.0	3.0	107 - 130	P 118.5	0.9	45 - 55	P 50.0	0.7	79 - 97	P 87.8	1.1	144 - 176	P 159.8	2.6	4
JAS	35	218 - 267	P 242.3	7.7	110 - 134	P 121.8	4.6	47 - 58	P 52.5	3.5	82 - 100	P 91.0	3.8	149 - 183	P 166.0	4.8	4
Ortho Vitros	36	205 - 251	P 228.2	10.2	99 - 121	P 110.1	5.1	44 - 54	P 48.9	2.4	74 - 90	P 81.8	5.6	141 - 173	P 156.9	6.5	46
Pointe Scientific	37	206 - 252	P 229.4	9.8	104 - 127	P 115.8	5.7	43 - 53	P 48.0	3.1	77 - 95	P 86.1	4.3	142 - 173	P 157.7	6.5	23
Roche Cobas	38	208 - 255	P 231.6	6.4	105 - 129	P 117.1	3.1	44 - 54	P 49.2	2.1	79 - 97	P 88.1	2.5	144 - 176	P 159.8	4.0	43
SDI Biomed	39	218 - 267	P 242.7	4.1	107 - 131	P 118.7	1.5	49 - 60	P 54.1	3.1	82 - 100	P 91.1	1.6	148 - 181	P 164.6	3.5	8
Sekisui	40	209 - 256	P 232.7	7.7	106 - 130	P 118.0	6.0	43 - 53	P 48.3	2.5	79 - 96	P 87.7	5.4	146 - 178	P 161.9	7.8	7
Siemens Advia	41	210 - 257	P 233.5	5.7	105 - 129	P 117.0	1.4	44 - 54	P 49.0	1.2	78 - 95	P 86.8	1.9	145 - 178	P 161.5	1.8	4
Siemens Dimension	42	207 - 253	P 230.0	5.1	103 - 126	P 114.9	3.1	44 - 54	P 49.2	2.2	78 - 95	P 86.4	2.5	142 - 173	P 157.6	3.5	99
Stering Diagnostic	43	202 - 247	P 224.4	9.4	104 - 128	P 116.1	4.2	45 - 54	P 49.5	3.2	78 - 95	P 86.3	2.2	139 - 170	P 154.3	5.3	18
Synermed	44	227 - 277	P 252.0	10.6	114 - 140	P 127.0	6.4	39 - 48	P 43.8	5.1	84 - 103	P 93.5	5.6	158 - 193	P 175.8	6.9	4
Vital Diagnostics Envoy	45	209 - 256	P 232.5	4.6	104 - 127	P 115.0	3.1	44 - 54	P 49.3	1.9	81 - 99	P 90.0	4.2	144 - 176	P 160.3	3.9	4

Initial Grouping by Sensitivity or Principle

All enzymatic cholesterol	46	208 - 254	P 231.2	9.0	104 - 127	P 115.6	5.0	44 - 54	P 48.8	2.9	78 - 95	P 86.7	4.4	143 - 175	P 159.0	6.1	413
Total Population																	
Whole Population	47	207 - 253	P 230.4	16.1	104 - 127	P 115.8	6.0	44 - 54	P 49.4	8.1	78 - 95	P 86.7	5.9	143 - 175	P 158.7	9.1	413

Creatinine

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	4.5 - 6.1	P 5.3	0.09	1.0 - 1.6	C 1.26	0.05	0.3 - 0.9	C 0.6	0.0	0.2 - 0.8	C 0.47	0.04	2.4 - 3.2	P 2.8	0.07	22
Alfa Wassermann & Alfa Wasser Axel/Alera	2	4.0 - 5.4	P 4.66	0.19	1.2 - 1.8	C 1.46	0.07	0.4 - 1.0	C 0.65	0.06	0.3 - 0.9	C 0.55	0.06	2.4 - 3.2	P 2.77	0.09	25
Beckman Coulter & Beck Coult Unicel DXC	3	4.1 - 5.5	P 4.79	0.21	1.0 - 1.6	C 1.33	0.06	0.1 - 0.7	C 0.43	0.05	0.1 - 0.7	C 0.38	0.04	2.3 - 3.1	P 2.66	0.1	14
Beckman Coulter & Beck Olym AU 400/600/5400	4	4.0 - 5.4	P 4.72	0.08	1.0 - 1.6	C 1.33	0.04	0.1 - 0.7	C 0.43	0.04	0.1 - 0.7	C 0.38	0.04	2.3 - 3.0	P 2.65	0.05	4
Beckman Olympus & Beck Olym AU 400/600/5400	5	4.0 - 5.4	P 4.69	0.18	1.0 - 1.6	C 1.31	0.05	0.2 - 0.8	C 0.46	0.05	0.1 - 0.7	C 0.39	0.06	2.2 - 3.0	P 2.63	0.1	31
Beckman Olympus & Beck Olympus AU 2700	6	3.9 - 5.3	P 4.63	0.18	1.0 - 1.6	C 1.25	0.05	0.1 - 0.7	C 0.4	0.0	0 - 0.6	C 0.35	0.05	2.2 - 2.9	P 2.55	0.11	4
Beckman Olympus & Beckman AU 480	7	4.0 - 5.4	P 4.69	0.11	1.0 - 1.6	C 1.3	0.0	0.2 - 0.8	C 0.45	0.05	0.1 - 0.7	C 0.39	0.04	2.2 - 3.0	P 2.62	0.06	19
Beckman Synchron IDMS trace & Beck Coult Unicel DXC	8	4.2 - 5.6	P 4.89	0.09	1.0 - 1.6	C 1.3	0.0	0.1 - 0.7	C 0.42	0.04	0.1 - 0.7	C 0.38	0.04	2.3 - 3.1	P 2.68	0.06	9
Carolina & Beck Olym AU 400/600/5400	9	3.8 - 5.1	P 4.47	0.16	1.2 - 1.8	C 1.45	0.05	0.4 - 1.0	C 0.7	0.0	0.3 - 0.9	C 0.58	0.04	2.2 - 3.0	P 2.63	0.04	4
Carolina & Beckman Synchron CX3/7/9/L	10	4.1 - 5.5	P 4.8	0.34	1.2 - 1.8	C 1.46	0.07	0.3 - 0.9	C 0.62	0.07	0.3 - 0.9	C 0.57	0.11	2.3 - 3.2	P 2.76	0.19	8
Horiba ABX & Horiba ABX 400	11	3.9 - 5.2	P 4.53	0.16	0.9 - 1.5	C 1.21	0.08	0.1 - 0.7	C 0.41	0.03	0.1 - 0.7	C 0.37	0.05	2.2 - 2.9	P 2.53	0.09	7
Medica & Medica Easy RA	12	4.3 - 5.8	P 5.0	0.14	1.1 - 1.7	C 1.36	0.05	0.1 - 0.7	C 0.4	0.0	0.2 - 0.8	C 0.47	0.05	2.3 - 3.1	P 2.73	0.07	9
Ortho Vitros 1-slide enz & Ortho Vitros 3600, 5600	13	2.7 - 3.6	P 3.13	0.08	1.0 - 1.6	C 1.27	0.04	0.1 - 0.7	C 0.43	0.04	0.2 - 0.8	C 0.5	0.0	1.9 - 2.6	P 2.28	0.04	4
Ortho Vitros 1-slide enz & Ortho Vitros not DT or ECI	14	2.7 - 3.7	P 3.23	0.11	1.0 - 1.6	C 1.27	0.05	0.1 - 0.7	C 0.4	0.0	0.2 - 0.8	C 0.47	0.05	1.9 - 2.6	P 2.28	0.09	12
Pointe Scientific & Beck Olym AU 400/600/5400	15	3.5 - 4.7	P 4.1	0.81	0.9 - 1.5	C 1.23	0.13	0.2 - 0.8	C 0.5	0.12	0.2 - 0.8	C 0.48	0.04	2.2 - 3.0	P 2.6	0.0	4
Roche Cobas & Roche Cobas 6000	16	3.7 - 5.0	P 4.38	0.15	1.0 - 1.6	C 1.27	0.05	0.1 - 0.7	C 0.43	0.07	0 - 0.6	C 0.35	0.05	2.1 - 2.9	P 2.52	0.11	6
Roche Cobas & Roche Cobas Integra	17	3.6 - 4.9	P 4.28	0.25	1.0 - 1.6	C 1.27	0.08	0.2 - 0.8	C 0.45	0.05	0.1 - 0.7	C 0.41	0.05	2.1 - 2.9	P 2.49	0.11	15
Roche Cobas & Roche e/c, 1XX, X000, Elec series	18	3.8 - 5.2	P 4.49	0.31	1.0 - 1.6	C 1.3	0.1	0.2 - 0.8	C 0.47	0.06	0.1 - 0.7	C 0.37	0.08	2.2 - 3.0	P 2.6	0.13	21
SDI Biomed & SDI CA-240, 480	19	3.5 - 4.8	P 4.16	0.11	0.9 - 1.5	C 1.23	0.09	0.2 - 0.8	C 0.48	0.06	0.2 - 0.8	C 0.48	0.1	2.0 - 2.7	P 2.35	0.07	11
Sekisui & Beck Olym AU 400/600/5400	20	3.9 - 5.3	P 4.63	0.22	1.1 - 1.7	C 1.4	0.0	0.3 - 0.9	C 0.63	0.04	0.3 - 0.9	C 0.55	0.05	2.3 - 3.0	P 2.65	0.05	4
Siemens Advia & Siemens Advia	21	4.1 - 5.5	P 4.77	0.14	1.0 - 1.6	C 1.27	0.05	0.2 - 0.8	C 0.51	0.06	0 - 0.6	C 0.34	0.05	2.2 - 3.0	P 2.59	0.06	7
Siemens Dimension & Siemens Dim RxL, RxL Max	22	4.3 - 5.8	P 5.02	0.04	1.1 - 1.7	C 1.4	0.0	0.2 - 0.8	C 0.46	0.05	0.1 - 0.7	C 0.36	0.05	2.3 - 3.1	P 2.72	0.04	5
Siemens Dimension & Siemens Dimension EXL	23	4.2 - 5.7	P 4.99	0.11	1.1 - 1.7	C 1.4	0.07	0.2 - 0.8	C 0.45	0.05	0.1 - 0.7	C 0.38	0.05	2.3 - 3.1	P 2.7	0.07	40
Siemens Dimension & Siemens Dimension Xpand	24	4.2 - 5.7	P 4.94	0.08	1.1 - 1.7	C 1.36	0.06	0.1 - 0.7	C 0.44	0.06	0.1 - 0.7	C 0.36	0.05	2.3 - 3.1	P 2.69	0.07	22
Stering Diagnostic & Other spectrophotometers	25	3.2 - 4.3	P 3.76	0.22	1.1 - 1.7	C 1.4	0.06	0.2 - 0.8	C 0.54	0.08	0.2 - 0.8	C 0.5	0.09	2.1 - 2.9	P 2.52	0.1	5
Synermed & Synermed IR500	26	3.3 - 4.5	P 3.9	0.47	1.1 - 1.7	C 1.37	0.19	0.3 - 0.9	C 0.63	0.04	0.3 - 0.9	C 0.6	0.08	2.2 - 2.9	P 2.53	0.04	4
Vital Diagnostic & Vital Diagnostic Eon	27	4.0 - 5.4	P 4.68	0.24	1.0 - 1.6	C 1.25	0.15	0 - 0.6	C 0.35	0.09	0.1 - 0.7	C 0.38	0.08	2.1 - 2.9	P 2.48	0.23	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	28	3.8 - 5.2	P 4.5	0.07	1.0 - 1.6	C 1.33	0.04	0.2 - 0.8	C 0.45	0.05	0.2 - 0.8	C 0.5	0.0	2.2 - 3.0	P 2.58	0.04	4

Initial Grouping by Reagent

Abbott Architect	29	4.5 - 6.1	P 5.3	0.09	1.0 - 1.6	C 1.26	0.05	0.3 - 0.9	C 0.6	0.0	0.2 - 0.8	C 0.47	0.04	2.4 - 3.2	P 2.8	0.07	22
Alfa Wassermann	30	4.0 - 5.3	P 4.65	0.18	1.2 - 1.8	C 1.46	0.07	0.3 - 0.9	C 0.64	0.06	0.3 - 0.9	C 0.55	0.06	2.4 - 3.2	P 2.77	0.1	26
Beckman Coulter	31	4.1 - 5.5	P 4.79	0.19	1.0 - 1.6	C 1.32	0.06	0.1 - 0.7	C 0.42	0.04	0.1 - 0.7	C 0.38	0.04	2.3 - 3.1	P 2.66	0.09	22
Beckman Olympus	32	4.0 - 5.4	P 4.66	0.24	1.0 - 1.6	C 1.3	0.06	0.2 - 0.8	C 0.45	0.05	0.1 - 0.7	C 0.38	0.06	2.2 - 3.0	P 2.62	0.1	56
Beckman Synchron IDMS trace	33	4.1 - 5.5	P 4.82	0.22	1.0 - 1.6	C 1.29	0.03	0.1 - 0.7	C 0.43	0.05	0.1 - 0.7	C 0.38	0.04	2.3 - 3.1	P 2.66	0.08	10
Carolina	34	4.0 - 5.4	P 4.67	0.33	1.1 - 1.7	C 1.42	0.11	0.3 - 0.9	C 0.57	0.11	0.3 - 0.9	C 0.55	0.09	2.3 - 3.1	P 2.7	0.16	18
Horiba ABX	35	3.9 - 5.2	P 4.53	0.16	0.9 - 1.5	C 1.21	0.08	0.1 - 0.7	C 0.41	0.03	0.1 - 0.7	C 0.37	0.05	2.2 - 2.9	P 2.53	0.09	7
Medica	36	4.3 - 5.8	P 5.0	0.14	1.1 - 1.7	C 1.36	0.05	0.1 - 0.7	C 0.4	0.0	0.2 - 0.8	C 0.47	0.05	2.3 - 3.1	P 2.73	0.07	9
Ortho Vitros 1-slide enz	37	2.7 - 3.6	P 3.17	0.12	1.0 - 1.6	C 1.26	0.05	0.1 - 0.7	C 0.41	0.02	0.2 - 0.8	C 0.48	0.04	1.9 - 2.6	P 2.27	0.09	21
Ortho Vitros IDMS traceable	38	2.7 - 3.6	P 3.17	0.15	1.0 - 1.6	C 1.26	0.07	0.1 - 0.7	C 0.41	0.04	0.2 - 0.8	C 0.48	0.04	2.0 - 2.6	P 2.3	0.2	27
Pointe Scientific	39	3.9 - 5.3	P 4.59	0.6	1.0 - 1.6	C 1.33	0.12	0.2 - 0.8	C 0.49	0.08	0.2 - 0.8	C 0.52	0.1	2.3 - 3.1	P 2.69	0.1	12
Roche Cobas	40	3.7 - 5.1	P 4.4	0.29	1.0 - 1.6	C 1.29	0.09	0.2 - 0.8	C 0.46	0.06	0.1 - 0.7	C 0.38	0.07	2.2 - 2.9	P 2.55	0.13	42
SDI Biomed	41	3.5 - 4.8	P 4.16	0.11	0.9 - 1.5	C 1.23	0.09	0.2 - 0.8	C 0.48	0.06	0.2 - 0.8	C 0.48	0.1	2.0 - 2.7	P 2.35	0.07	11
Sekisui	42	3.9 - 5.3	P 4.57	0.2	1.1 - 1.7	C 1.38	0.04	0.3 - 0.9	C 0.62	0.04	0.2 - 0.8	C 0.52	0.07	2.2 - 3.0	P 2.63	0.07	6
Siemens Advia	43	4.1 - 5.5	P 4.77	0.14	1.0 - 1.6	C 1.27	0.05	0.2 - 0.8	C 0.51	0.06	0 - 0.6	C 0.34	0.05	2.2 - 3.0	P 2.59	0.06	7
Siemens Dimension	44	4.2 - 5.7	P 4.98	0.1	1.1 - 1.7	C 1.39	0.06	0.1 - 0.7	C 0.44	0.05	0.1 - 0.7	C 0.37	0.05	2.3 - 3.1	P 2.7	0.07	70
Siemens ECRE IDMS	45	4.3 - 5.8	P 5.02	0.04	1.1 - 1.7	C 1.4	0.06	0.1 - 0.7	C 0.44	0.05	0 - 0.6	C 0.34	0.05	2.3 - 3.1	P 2.7	0.06	5
Siemens EZCR/IDMS Traceable	46	4.2 - 5.6	P 4.89	0.17	1.1 - 1.7	C 1.35	0.12	0.1 - 0.7	C 0.42	0.04	0.1 - 0.7	C 0.39	0.11	2.3 - 3.1	P 2.68	0.12	13
Siemens nonenz rate	47	4.1 - 5.6	P 4.85	0.5	1.1 - 1.7	C 1.37	0.06	0.2 - 0.8	C 0.45	0.05	0.1 - 0.7	C 0.39	0.05	2.3 - 3.1	P 2.66	0.14	14
Sterling Diagnostic	48	3.2 - 4.4	P 3.79	0.19	1.1 - 1.7	C 1.35	0.1	0.1 - 0.7	C 0.44	0.16	0.2 - 0.8	C 0.45	0.11	2.1 - 2.9	P 2.51	0.08	8
Synermed	49	3.3 - 4.5	P 3.92	0.42	1.1 - 1.7	C 1.35	0.17	0.3 - 0.9	C 0.56	0.14	0.3 - 0.9	C 0.57	0.08	2.1 - 2.9	P 2.5	0.06	5
Vital Diagnostic	50	4.0 - 5.4	P 4.68	0.24	1.0 - 1.6	C 1.25	0.15	0 - 0.6	C 0.35	0.09	0.1 - 0.7	C 0.38	0.08	2.1 - 2.9	P 2.48	0.23	4
Vital Diagnostics Envoy	51	3.8 - 5.2	P 4.5	0.07	1.0 - 1.6	C 1.33	0.04	0.2 - 0.8	C 0.45	0.05	0.2 - 0.8	C 0.5	0.0	2.2 - 3.0	P 2.58	0.04	4

Initial Grouping by Sensitivity or Principle

Enzymatic methods	52	3.9 - 5.3	P 4.61	0.74	1.1 - 1.7	C 1.36	0.08	0.1 - 0.7	C 0.43	0.05	0.1 - 0.7	C 0.4	0.07	2.2 - 3.0	P 2.61	0.19	103
Nonenzymatic rate	53	4.0 - 5.4	P 4.67	0.38	1.0 - 1.6	C 1.33	0.1	0.2 - 0.8	C 0.5	0.1	0.1 - 0.7	C 0.43	0.1	2.3 - 3.0	P 2.65	0.14	253
IDMS traceable	54	3.4 - 4.6	P 4.01	0.83	1.0 - 1.6	C 1.31	0.09	0.1 - 0.7	C 0.42	0.07	0.1 - 0.7	C 0.43	0.09	2.1 - 2.9	P 2.5	0.23	63
Nonenzymatic endpoint	55	3.5 - 4.8	P 4.16	0.11	0.9 - 1.5	C 1.23	0.09	0.2 - 0.8	C 0.48	0.06	0.2 - 0.8	C 0.48	0.1	2.0 - 2.7	P 2.35	0.07	11

Total Population

Whole Population	56	3.9 - 5.2	P 4.53	0.65	1.0 - 1.6	C 1.33	0.11	0.2 - 0.8	C 0.47	0.1	0.1 - 0.7	C 0.43	0.15	2.2 - 3.0	P 2.6	0.22	435
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Glucose**Initial Grouping by Reagent and Instrument**

Abbott & Abbott Architect c, ci, i	1	218 - 267	P 242.3	3.4	78 - 95	P 86.7	1.2	44 - 56	C 49.5	0.8	41 - 53	C 47.2	0.8	130 - 159	P 144.1	1.9	24
Alfa Wassermann & Alfa Wasser Axel/Alera	2	228 - 279	P 253.8	6.3	85 - 104	P 94.9	2.5	50 - 62	C 56.2	1.5	48 - 60	C 53.7	1.4	140 - 171	P 155.3	3.8	25
Beckman HK & Beck Coulter Unicel DXC	3	218 - 267	P 242.6	4.2	78 - 96	P 87.2	0.8	45 - 57	C 50.5	1.4	42 - 54	C 47.5	1.4	131 - 160	P 145.5	3.2	13
Beckman O2 electrode & Beck Coulter Unicel DXC	4	216 - 264	P 240.2	2.5	77 - 94	P 85.3	1.9	43 - 55	C 49.2	0.9	41 - 53	C 46.5	1.5	129 - 157	P 143.0	1.4	6
Beckman Olympus & Beck Olym AU 400/600/5400	5	220 - 269	P 244.1	6.1	79 - 96	P 87.5	1.5	45 - 57	C 50.6	1.0	43 - 55	C 48.9	1.1	131 - 161	P 146.1	2.7	31
Beckman Olympus & Beck Olympus AU 2700	6	218 - 267	P 242.6	5.7	78 - 96	P 87.2	3.1	45 - 57	C 50.8	1.6	42 - 54	C 48.4	1.6	131 - 160	P 145.0	2.3	5
Beckman Olympus & Beckman AU 480	7	218 - 266	P 242.2	4.5	79 - 97	P 88.0	1.7	45 - 57	C 51.1	0.9	43 - 55	C 49.0	1.1	132 - 162	P 146.9	2.9	21
Carolina HK & Beckman Synchron CX3/7/9/L	8	217 - 265	P 241.0	10.8	79 - 97	P 88.0	4.7	47 - 59	C 52.5	2.2	44 - 56	C 49.5	2.5	133 - 162	P 147.5	6.2	4
Horiba ABX & Horiba ABX 400	9	227 - 277	P 252.0	10.3	82 - 100	P 90.6	3.0	46 - 58	C 52.3	1.5	44 - 56	C 50.1	1.2	137 - 167	P 151.7	4.6	7
Medica & Medica Easy RA	10	233 - 285	P 258.8	7.7	85 - 104	P 94.7	2.7	50 - 62	C 56.2	2.2	48 - 60	C 53.7	2.4	142 - 173	P 157.6	5.3	9
Ortho Vitros & Ortho Vitros 3600, 5600	11	221 - 270	P 245.4	3.3	76 - 93	P 84.2	1.3	44 - 56	C 50.2	0.9	39 - 51	C 44.5	0.8	127 - 155	P 140.9	2.2	10
Ortho Vitros & Ortho Vitros 5,1 FS	12	219 - 268	P 243.5	3.4	75 - 92	P 83.3	1.6	43 - 55	C 49.3	1.1	38 - 50	C 44.1	1.1	126 - 154	P 139.6	1.7	8
Ortho Vitros & Ortho Vitros not DT or ECI	13	222 - 272	P 247.0	6.0	76 - 93	P 84.3	2.1	44 - 56	C 50.1	1.9	39 - 51	C 45.1	1.7	128 - 156	P 142.1	3.3	29
Roche Cobas & Roche Cobas 6000	14	221 - 270	P 245.4	3.7	79 - 97	P 87.9	2.0	45 - 57	C 51.1	1.7	43 - 55	C 48.9	1.0	132 - 162	P 147.0	2.6	7
Roche Cobas & Roche Cobas Integra	15	218 - 266	P 241.8	5.1	80 - 97	P 88.4	1.9	45 - 57	C 51.3	1.0	43 - 55	C 49.1	0.9	132 - 162	P 147.2	3.3	17
Roche Cobas & Roche e/c, 1XX, X000, Elec series	16	222 - 271	P 246.2	7.8	80 - 97	P 88.4	2.2	46 - 58	C 51.5	1.3	43 - 55	C 49.0	1.3	133 - 163	P 147.9	4.5	22
SDI Biomed & SDI CA-240, 480	17	232 - 283	P 257.3	2.7	84 - 103	P 93.5	1.2	50 - 62	C 56.0	2.2	47 - 59	C 52.6	1.0	141 - 172	P 156.7	2.0	10
Sekisui & Beck Olym AU 400/600/5400	18	215 - 262	P 238.4	7.2	81 - 99	P 89.8	3.2	47 - 59	C 53.4	2.4	46 - 58	C 52.4	4.8	132 - 161	P 146.2	6.0	5
Siemens HK & Siemens Advia	19	218 - 267	P 242.6	3.2	78 - 96	P 87.1	1.6	45 - 57	C 50.6	1.0	42 - 54	C 48.4	0.7	131 - 160	P 145.6	2.6	7
Siemens HK & Siemens Dim RxD, RxD Max	20	222 - 271	P 246.8	5.4	80 - 98	P 89.3	1.3	47 - 59	C 53.0	0.7	44 - 56	C 50.3	0.4	135 - 164	P 149.5	2.7	4
Siemens HK & Siemens Dimension	21	221 - 271	P 246.0	8.2	80 - 98	P 89.0	3.0	46 - 58	C 52.3	1.3	44 - 56	C 49.8	1.6	133 - 162	P 147.3	4.9	4
Siemens HK & Siemens Dimension EXL	22	222 - 272	P 247.2	5.6	81 - 99	P 89.9	2.0	47 - 59	C 53.3	1.3	44 - 56	C 50.3	1.4	134 - 164	P 149.2	3.1	33
Siemens HK & Siemens Dimension Xpand	23	223 - 273	P 247.8	4.1	81 - 99	P 90.3	1.5	47 - 59	C 53.3	1.1	44 - 56	C 50.4	1.1	135 - 165	P 150.0	1.6	17
Siemens HK, GLUC & Siemens Dim RxD, RxD Max	24	224 - 274	P 249.3	6.9	82 - 101	P 91.5	2.9	49 - 61	C 55.0	1.9	46 - 58	C 51.5	1.7	136 - 167	P 151.5	3.6	4
Siemens HK, GLUC & Siemens Dimension EXL	25	221 - 270	P 245.7	4.8	81 - 99	P 89.7	2.3	47 - 59	C 53.2	2.1	44 - 56	C 50.0	1.9	133 - 163	P 148.1	3.3	22
Siemens HK, GLUC & Siemens Dimension Xpand	26	223 - 272	P 247.5	3.5	81 - 99	P 90.1	1.7	48 - 60	C 53.5	1.1	44 - 56	C 50.3	1.0	134 - 164	P 149.0	2.2	16
Sterling Diagnostic & Other spectrophotometers	27	210 - 257	P 233.4	8.2	79 - 96	P 87.3	3.6	44 - 56	C 50.4	2.1	42 - 54	C 48.1	3.1	128 - 156	P 142.1	5.5	8
Sterling Diagnostic & Pointe Sci 180/Sterl 2000	28	211 - 258	P 234.9	4.2	79 - 97	P 88.1	4.0	45 - 57	C 51.0	1.4	43 - 55	C 48.6	2.1	129 - 157	P 142.9	2.9	7

Vital Diagnostic & Vital Diagnostic Eon	29	229 - 280	P 254.3	3.7	86 - 106	P 96.0	4.2	49 - 61	C 54.8	2.2	46 - 58	C 52.3	1.9	144 - 176	P 160.3	4.0	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	30	233 - 285	P 259.0	4.1	85 - 104	P 94.2	1.6	50 - 62	C 55.6	1.0	46 - 58	C 52.4	0.5	143 - 174	P 158.6	2.9	5
Initial Grouping by Reagent																	
Abbott	31	218 - 267	P 242.3	3.4	78 - 95	P 86.7	1.2	44 - 56	C 49.5	0.8	41 - 53	C 47.2	0.8	130 - 159	P 144.1	1.9	24
Alfa Wassermann	32	228 - 279	P 253.6	6.2	85 - 104	P 94.8	2.5	50 - 62	C 56.2	1.5	48 - 60	C 53.6	1.4	140 - 171	P 155.2	3.8	26
Beckman HK	33	219 - 268	P 243.4	5.3	79 - 96	P 87.7	1.8	45 - 57	C 50.8	2.0	42 - 54	C 48.1	1.9	131 - 161	P 146.1	3.6	18
Beckman O2 electrode	34	216 - 264	P 240.2	2.5	77 - 94	P 85.3	1.9	43 - 55	C 49.2	0.9	41 - 53	C 46.5	1.5	129 - 157	P 143.0	1.4	6
Beckman Olympus	35	219 - 267	P 243.0	5.8	79 - 96	P 87.6	1.9	45 - 57	C 50.8	1.1	43 - 55	C 48.8	1.2	131 - 161	P 146.1	3.0	59
Carolina HK	36	224 - 274	P 249.3	11.1	81 - 99	P 90.4	4.1	48 - 60	C 54.1	2.3	45 - 57	C 51.0	2.4	136 - 166	P 151.1	6.2	13
Horiba ABX	37	227 - 277	P 252.0	10.3	82 - 100	P 90.6	3.0	46 - 58	C 52.3	1.5	44 - 56	C 50.1	1.2	137 - 167	P 151.7	4.6	7
Medica	38	233 - 285	P 258.8	7.7	85 - 104	P 94.7	2.7	50 - 62	C 56.2	2.2	48 - 60	C 53.7	2.4	142 - 173	P 157.6	5.3	9
Ortho Vitros	39	221 - 270	P 245.8	5.3	76 - 92	P 84.0	1.9	44 - 56	C 49.9	1.6	39 - 51	C 44.7	1.4	127 - 155	P 141.3	3.0	51
Pointe Sci HK	40	216 - 263	P 239.5	9.9	79 - 97	P 88.3	4.3	46 - 58	C 52.4	3.1	44 - 56	C 49.8	2.0	131 - 160	P 145.4	6.6	10
Roche Cobas	41	220 - 269	P 244.5	6.7	79 - 97	P 88.3	2.1	45 - 57	C 51.3	1.3	43 - 55	C 49.0	1.2	133 - 162	P 147.5	3.8	46
SDI Biomed	42	232 - 283	P 257.3	2.7	84 - 103	P 93.5	1.2	50 - 62	C 56.0	2.2	47 - 59	C 52.6	1.0	141 - 172	P 156.7	2.0	10
Sekisui	43	219 - 267	P 243.1	7.7	81 - 99	P 89.8	2.5	47 - 59	C 53.1	2.0	46 - 58	C 51.8	3.6	133 - 163	P 148.1	5.3	9
Siemens HK	44	222 - 271	P 246.8	5.5	81 - 99	P 89.6	2.1	47 - 59	C 52.9	1.5	44 - 56	C 50.1	1.3	134 - 164	P 148.9	3.2	65
Siemens HK, GLUC	45	222 - 271	P 246.7	4.8	81 - 99	P 90.0	2.2	48 - 60	C 53.5	1.9	44 - 56	C 50.3	1.7	134 - 164	P 148.8	3.1	42
Sterling Diagnostic	46	211 - 258	P 234.1	6.7	79 - 96	P 87.7	3.8	45 - 57	C 50.7	1.8	42 - 54	C 48.3	2.7	128 - 157	P 142.5	4.5	15
Synermed	47	230 - 281	P 255.0	2.3	82 - 100	P 91.0	2.1	47 - 59	C 52.8	1.6	45 - 57	C 51.0	0.7	136 - 166	P 151.0	3.3	4
Vital Diagnostic	48	229 - 280	P 254.3	3.7	86 - 106	P 96.0	4.2	49 - 61	C 54.8	2.2	46 - 58	C 52.3	1.9	144 - 176	P 160.3	4.0	4
Vital Diagnostics Envoy	49	233 - 285	P 259.0	4.1	85 - 104	P 94.2	1.6	50 - 62	C 55.6	1.0	46 - 58	C 52.4	0.5	143 - 174	P 158.6	2.9	5
Initial Grouping by Sensitivity or Principle																	
HexoKinase (HK) low recov	50	221 - 270	P 245.4	6.8	80 - 98	P 88.9	2.6	46 - 58	C 52.0	2.1	44 - 56	C 49.5	1.9	133 - 163	P 147.9	4.3	297
HexoKinase (HK) high recov	51	226 - 276	P 250.6	9.5	84 - 102	P 93.1	4.2	49 - 61	C 55.1	2.5	47 - 59	C 52.5	2.2	138 - 169	P 153.5	6.7	48
Glucose Oxidase (GO)	52	220 - 270	P 245.0	9.2	78 - 95	P 86.4	4.4	45 - 57	C 51.0	2.6	41 - 53	C 47.0	3.6	130 - 159	P 144.3	6.5	86
Oxygen electrode	53	216 - 264	P 240.2	2.5	77 - 94	P 85.3	1.9	43 - 55	C 49.2	0.9	41 - 53	C 46.5	1.5	129 - 157	P 143.0	1.4	6
Other	54	227 - 277	P 252.2	3.2	83 - 102	P 92.3	1.8	49 - 61	C 54.6	1.4	45 - 57	C 51.4	1.4	137 - 168	P 152.4	2.2	5
Total Population																	
Whole Population	55	221 - 270	P 245.7	10.7	80 - 98	P 89.0	4.6	46 - 58	C 52.2	2.6	44 - 56	C 49.5	5.4	133 - 162	P 147.6	7.5	442

Phosphorus

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	4.3 - 5.9	P 5.11	0.08	1.8 - 2.6	C 2.21	0.03	6.8 - 9.2	P 7.99	0.14	1.1 - 1.9	C 1.47	0.04	2.8 - 3.8	P 3.31	0.07	18
Alfa Wassermann & Alfa Wasser Axel/Alera	2	4.2 - 5.6	P 4.9	0.25	1.9 - 2.7	C 2.26	0.1	6.9 - 9.3	P 8.06	0.29	1.2 - 2.0	C 1.55	0.07	2.8 - 3.7	P 3.26	0.08	10
Beckman Olympus blanked & Beck Olym AU 400/600/5400	3	4.1 - 5.6	P 4.88	0.09	1.7 - 2.5	C 2.12	0.06	6.6 - 8.9	P 7.71	0.16	1.0 - 1.9	C 1.45	0.19	2.7 - 3.6	P 3.16	0.07	10
Beckman Olympus blanked & Beckman AU 480	4	4.2 - 5.6	P 4.9	0.09	1.7 - 2.5	C 2.14	0.05	6.5 - 8.8	P 7.64	0.18	1.0 - 1.8	C 1.39	0.06	2.7 - 3.6	P 3.16	0.05	8
Beckman Olympus no blank & Beck Olym AU 400/600/5400	5	4.1 - 5.5	P 4.8	0.15	1.7 - 2.5	C 2.07	0.09	6.4 - 8.7	P 7.55	0.18	1.0 - 1.8	C 1.38	0.06	2.6 - 3.6	P 3.09	0.11	15
Beckman Olympus no blank & Beckman AU 480	6	4.2 - 5.7	P 4.95	0.12	1.7 - 2.5	C 2.11	0.07	6.5 - 8.8	P 7.67	0.18	1.0 - 1.8	C 1.4	0.07	2.7 - 3.7	P 3.21	0.1	11
Beckman Synchron PHS & Beck Coulter Unicel DXC	7	4.4 - 6.0	P 5.21	0.15	1.8 - 2.6	C 2.23	0.06	6.8 - 9.1	P 7.95	0.13	1.1 - 1.9	C 1.48	0.04	2.9 - 3.9	P 3.4	0.08	12
Beckman UV/rate & Beck Coulter Unicel DXC	8	4.6 - 6.2	P 5.38	0.11	1.9 - 2.7	C 2.3	0.0	6.9 - 9.3	P 8.13	0.18	1.1 - 1.9	C 1.48	0.04	2.9 - 4.0	P 3.45	0.05	4
Carolina & Beckman Synchron CX3/7/9/L	9	4.6 - 6.3	P 5.45	0.29	2.0 - 2.8	C 2.4	0.19	7.1 - 9.7	P 8.4	0.65	1.2 - 2.0	C 1.64	0.08	3.0 - 4.1	P 3.56	0.21	5
Ortho Vitros & Ortho Vitros 3600, 5600	10	4.4 - 6.0	P 5.22	0.17	1.9 - 2.7	C 2.34	0.08	6.5 - 8.7	P 7.59	0.21	1.2 - 2.0	C 1.6	0.08	2.9 - 3.9	P 3.37	0.11	9
Ortho Vitros & Ortho Vitros 5,1 FS	11	4.5 - 6.2	P 5.35	0.09	2.0 - 2.8	C 2.44	0.09	6.5 - 8.8	P 7.64	0.14	1.3 - 2.1	C 1.7	0.1	3.0 - 4.0	P 3.49	0.09	8
Ortho Vitros & Ortho Vitros not DT or ECi	12	4.5 - 6.1	P 5.32	0.16	2.1 - 2.9	C 2.48	0.1	6.6 - 8.9	P 7.77	0.21	1.3 - 2.1	C 1.72	0.1	3.0 - 4.1	P 3.53	0.12	18
Roche Cobas & Roche Cobas 6000	13	4.3 - 5.9	P 5.1	0.07	1.8 - 2.6	C 2.17	0.04	6.8 - 9.2	P 8.0	0.16	1.0 - 1.8	C 1.43	0.05	2.8 - 3.7	P 3.25	0.05	4
Roche Cobas & Roche e/c, 1XX, X000, Elec series	14	4.3 - 5.8	P 5.07	0.18	1.8 - 2.6	C 2.19	0.08	6.7 - 9.1	P 7.94	0.24	1.0 - 1.9	C 1.45	0.06	2.8 - 3.8	P 3.27	0.12	14
Roche Cobas Integra & Roche Cobas Integra	15	4.2 - 5.6	P 4.91	0.08	1.8 - 2.6	C 2.15	0.05	6.8 - 9.2	P 7.96	0.19	1.0 - 1.8	C 1.4	0.0	2.7 - 3.7	P 3.2	0.05	8
SDI Biomed & SDI CA-240, 480	16	4.4 - 5.9	P 5.15	0.26	1.8 - 2.6	C 2.17	0.12	6.5 - 8.8	P 7.65	0.42	1.0 - 1.8	C 1.38	0.07	2.8 - 3.8	P 3.33	0.12	6
Sekisui & Beck Olym AU 400/600/5400	17	4.3 - 5.8	P 5.06	0.22	1.8 - 2.6	C 2.18	0.07	6.6 - 9.0	P 7.82	0.26	1.1 - 1.9	C 1.46	0.08	2.8 - 3.7	P 3.26	0.21	5
Siemens Advia & Siemens Advia	18	4.3 - 5.8	P 5.07	0.11	1.8 - 2.6	C 2.18	0.04	6.8 - 9.1	P 7.95	0.2	1.0 - 1.9	C 1.45	0.05	2.8 - 3.8	P 3.27	0.07	6
Siemens Dimension & Siemens Dim Rxl, Rxl Max	19	4.5 - 6.0	P 5.24	0.21	1.9 - 2.7	C 2.34	0.14	6.9 - 9.3	P 8.06	0.25	1.2 - 2.0	C 1.56	0.12	2.9 - 3.9	P 3.41	0.17	8
Siemens Dimension & Siemens Dimension EXL	20	4.4 - 6.0	P 5.23	0.14	1.9 - 2.7	C 2.34	0.1	6.9 - 9.3	P 8.09	0.13	1.2 - 2.0	C 1.56	0.09	2.9 - 3.9	P 3.43	0.12	50
Siemens Dimension & Siemens Dimension Xpand	21	4.5 - 6.0	P 5.24	0.12	1.9 - 2.7	C 2.33	0.1	6.9 - 9.3	P 8.09	0.16	1.2 - 2.0	C 1.59	0.07	2.9 - 3.9	P 3.42	0.11	18

Initial Grouping by Reagent

Abbott Architect	22	4.3 - 5.9	P 5.11	0.08	1.8 - 2.6	C 2.21	0.03	6.8 - 9.2	P 7.99	0.14	1.1 - 1.9	C 1.47	0.04	2.8 - 3.8	P 3.31	0.07	18
Alfa Wassermann	23	4.1 - 5.6	P 4.87	0.25	1.9 - 2.7	C 2.25	0.11	6.9 - 9.3	P 8.06	0.28	1.2 - 2.0	C 1.55	0.07	2.8 - 3.7	P 3.24	0.09	11
Beckman Olympus blanked	24	4.2 - 5.6	P 4.9	0.09	1.7 - 2.5	C 2.13	0.06	6.5 - 8.9	P 7.7	0.18	1.0 - 1.8	C 1.42	0.14	2.7 - 3.6	P 3.17	0.06	21
Beckman Olympus no blank	25	4.1 - 5.6	P 4.86	0.15	1.7 - 2.5	C 2.09	0.08	6.5 - 8.8	P 7.61	0.19	1.0 - 1.8	C 1.39	0.06	2.7 - 3.6	P 3.14	0.12	28
Beckman Synchron PHS	26	4.5 - 6.0	P 5.24	0.18	1.9 - 2.7	C 2.25	0.09	6.8 - 9.3	P 8.05	0.35	1.1 - 1.9	C 1.49	0.07	2.9 - 3.9	P 3.42	0.11	13

Beckman UV/rate	27	4.6 - 6.2	P 5.38	0.11	1.9 - 2.7	C 2.3	0.0	6.9 - 9.3	P 8.13	0.18	1.1 - 1.9	C 1.48	0.04	2.9 - 4.0	P 3.45	0.05	4
Carolina	28	4.4 - 6.0	P 5.21	0.43	1.9 - 2.7	C 2.28	0.21	7.0 - 9.5	P 8.22	0.66	1.2 - 2.0	C 1.58	0.14	2.9 - 3.9	P 3.4	0.28	13
Ortho Vitros	29	4.5 - 6.1	P 5.3	0.16	2.0 - 2.8	C 2.44	0.11	6.5 - 8.8	P 7.69	0.21	1.3 - 2.1	C 1.69	0.11	3.0 - 4.0	P 3.48	0.13	36
Pointe Scientific	30	4.3 - 5.9	P 5.1	0.11	1.8 - 2.6	C 2.24	0.16	6.9 - 9.3	P 8.1	0.21	1.1 - 1.9	C 1.52	0.17	2.8 - 3.8	P 3.34	0.1	5
Roche Cobas	31	4.3 - 5.8	P 5.06	0.16	1.8 - 2.6	C 2.19	0.07	6.7 - 9.1	P 7.94	0.22	1.0 - 1.9	C 1.45	0.06	2.8 - 3.7	P 3.26	0.1	21
Roche Cobas Integra	32	4.2 - 5.7	P 4.95	0.11	1.8 - 2.6	C 2.16	0.07	6.8 - 9.2	P 7.98	0.2	1.0 - 1.8	C 1.41	0.03	2.7 - 3.7	P 3.22	0.11	10
SDI Biomed	33	4.4 - 5.9	P 5.15	0.26	1.8 - 2.6	C 2.17	0.12	6.5 - 8.8	P 7.65	0.42	1.0 - 1.8	C 1.38	0.07	2.8 - 3.8	P 3.33	0.12	6
Sekisui	34	4.3 - 5.8	P 5.02	0.23	1.8 - 2.6	C 2.17	0.07	6.6 - 8.9	P 7.78	0.25	1.0 - 1.9	C 1.45	0.08	2.7 - 3.7	P 3.23	0.2	6
Siemens Advia	35	4.3 - 5.8	P 5.07	0.11	1.8 - 2.6	C 2.18	0.04	6.8 - 9.1	P 7.95	0.2	1.0 - 1.9	C 1.45	0.05	2.8 - 3.8	P 3.27	0.07	6
Siemens Dimension	36	4.4 - 6.0	P 5.23	0.15	1.9 - 2.7	C 2.34	0.1	6.9 - 9.3	P 8.08	0.15	1.2 - 2.0	C 1.57	0.09	2.9 - 3.9	P 3.43	0.12	79
Initial Grouping bySensitivityor Principle																	
UV-bichromatic-sam blanked	37	4.4 - 5.9	P 5.14	0.21	1.9 - 2.7	C 2.27	0.13	6.8 - 9.2	P 8.01	0.29	1.1 - 1.9	C 1.52	0.11	2.8 - 3.9	P 3.35	0.16	153
UV-bichromatic-no sam blks	38	4.2 - 5.6	P 4.91	0.22	1.7 - 2.5	C 2.14	0.11	6.6 - 8.9	P 7.72	0.31	1.0 - 1.9	C 1.45	0.2	2.7 - 3.7	P 3.19	0.13	46
UV-just sample blanked	39	4.4 - 6.0	P 5.2	0.2	1.8 - 2.6	C 2.24	0.1	6.8 - 9.2	P 8.03	0.34	1.1 - 1.9	C 1.48	0.07	2.9 - 3.9	P 3.41	0.11	15
UV-rate	40	4.3 - 5.9	P 5.1	0.22	1.8 - 2.6	C 2.21	0.09	6.8 - 9.2	P 7.98	0.23	1.0 - 1.9	C 1.45	0.06	2.8 - 3.8	P 3.31	0.14	18
UV-uncorrected	41	4.3 - 5.8	P 5.06	0.17	1.8 - 2.6	C 2.2	0.1	6.8 - 9.2	P 7.99	0.38	1.1 - 1.9	C 1.47	0.11	2.8 - 3.8	P 3.29	0.14	22
Visible	42	4.5 - 6.1	P 5.32	0.16	2.0 - 2.8	C 2.43	0.11	6.5 - 8.9	P 7.7	0.22	1.3 - 2.1	C 1.67	0.14	3.0 - 4.0	P 3.48	0.12	38
Total Population																	
Whole Population	43	4.3 - 5.9	P 5.11	0.38	1.9 - 2.7	C 2.27	0.27	6.7 - 9.1	P 7.91	0.51	1.2 - 2.0	C 1.55	0.42	2.8 - 3.8	P 3.34	0.18	295

Potassium

Initial Grouping byReagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	6.0 - 7.0	C 6.52	0.09	2.8 - 3.8	C 3.26	0.06	1.9 - 2.9	C 2.43	0.08	2.0 - 3.0	C 2.46	0.06	4.0 - 5.0	C 4.46	0.09	23
Alfa Wassermann & Alfa Wasser Axel/Alera	2	6.8 - 7.8	C 7.3	0.11	2.8 - 3.8	C 3.33	0.08	1.9 - 2.9	C 2.37	0.15	1.9 - 2.9	C 2.38	0.08	4.1 - 5.1	C 4.61	0.09	24
Beckman Coulter & Beck Coult Unicel DXC	3	6.0 - 7.0	C 6.45	0.06	2.7 - 3.7	C 3.15	0.06	1.8 - 2.8	C 2.26	0.08	1.8 - 2.8	C 2.33	0.06	3.9 - 4.9	C 4.39	0.05	23
Beckman Coulter & Beck Olym AU 400/600/5400	4	5.7 - 6.7	C 6.22	0.04	2.7 - 3.7	C 3.2	0.0	1.9 - 2.9	C 2.4	0.0	1.9 - 2.9	C 2.44	0.05	3.8 - 4.8	C 4.3	0.0	5
Beckman Coulter & Beckman AU 480	5	5.7 - 6.7	C 6.24	0.14	2.7 - 3.7	C 3.18	0.04	1.8 - 2.8	C 2.34	0.05	1.9 - 2.9	C 2.44	0.05	3.8 - 4.8	C 4.32	0.04	5
Beckman Olympus & Beck Olym AU 400/600/5400	6	5.7 - 6.7	C 6.21	0.1	2.7 - 3.7	C 3.21	0.05	1.9 - 2.9	C 2.42	0.1	2.0 - 3.0	C 2.46	0.06	3.8 - 4.8	C 4.32	0.07	37
Beckman Olympus & Beck Olympus AU 2700	7	5.7 - 6.7	C 6.2	0.07	2.7 - 3.7	C 3.2	0.0	1.9 - 2.9	C 2.38	0.08	2.0 - 3.0	C 2.45	0.05	3.8 - 4.8	C 4.3	0.0	4
Beckman Olympus & Beckman AU 480	8	5.7 - 6.7	C 6.19	0.1	2.7 - 3.7	C 3.2	0.0	1.9 - 2.9	C 2.39	0.04	1.9 - 2.9	C 2.43	0.05	3.8 - 4.8	C 4.3	0.04	20
Carolina & Beckman Synchron CX3/7/9/L	9	6.0 - 7.0	C 6.46	0.1	2.7 - 3.7	C 3.2	0.09	1.9 - 2.9	C 2.38	0.13	1.9 - 2.9	C 2.36	0.08	4.0 - 5.0	C 4.46	0.05	5
Diamond Diagnostics & Beck Olym AU 400/600/5400	10	5.7 - 6.7	C 6.23	0.04	2.7 - 3.7	C 3.23	0.04	2.0 - 3.0	C 2.45	0.09	2.0 - 3.0	C 2.45	0.05	3.8 - 4.8	C 4.3	0.0	4
Horiba ABX & Horiba ABX 400	11	6.4 - 7.4	C 6.92	0.09	2.8 - 3.8	C 3.25	0.05	1.8 - 2.8	C 2.28	0.04	2.0 - 3.0	C 2.48	0.04	4.1 - 5.1	C 4.57	0.05	6
Medica Easy RA & Medica Easy RA	12	6.3 - 7.3	C 6.78	0.16	2.7 - 3.7	C 3.2	0.0	1.7 - 2.7	C 2.23	0.05	1.9 - 2.9	C 2.39	0.06	4.0 - 5.0	C 4.48	0.04	9
Ortho Vitros & Ortho Vitros 3600, 5600	13	7.3 - 8.3	C 7.77	0.12	2.9 - 3.9	C 3.42	0.06	1.9 - 2.9	C 2.4	0.0	2.0 - 3.0	C 2.51	0.06	4.4 - 5.4	C 4.89	0.09	9
Ortho Vitros & Ortho Vitros 5,1 FS	14	7.3 - 8.3	C 7.84	0.11	3.0 - 4.0	C 3.45	0.05	1.9 - 2.9	C 2.4	0.0	2.0 - 3.0	C 2.5	0.0	4.4 - 5.4	C 4.91	0.06	8
Ortho Vitros & Ortho Vitros not DT or ECi	15	7.4 - 8.4	C 7.89	0.14	3.0 - 4.0	C 3.46	0.05	1.9 - 2.9	C 2.4	0.0	2.0 - 3.0	C 2.54	0.05	4.5 - 5.5	C 4.98	0.07	29
Roche Cobas dil ISE & Roche Cobas 6000	16	6.0 - 7.0	C 6.47	0.21	2.7 - 3.7	C 3.22	0.16	1.9 - 2.9	C 2.37	0.12	1.9 - 2.9	C 2.42	0.16	3.9 - 4.9	C 4.43	0.17	6
Roche Cobas dil ISE & Roche Cobas Integra	17	5.9 - 6.9	C 6.44	0.05	2.7 - 3.7	C 3.22	0.04	1.8 - 2.8	C 2.32	0.05	1.9 - 2.9	C 2.4	0.0	3.9 - 4.9	C 4.42	0.04	14
Roche Cobas dil ISE & Roche e/c, 1XX, X000, Elec series	18	6.0 - 7.0	C 6.51	0.12	2.8 - 3.8	C 3.28	0.11	1.9 - 2.9	C 2.42	0.13	2.0 - 3.0	C 2.46	0.1	4.0 - 5.0	C 4.49	0.14	16
Roche Cobas und ISE & Roche e/c, 1XX, X000, Elec series	19	5.9 - 6.9	C 6.42	0.04	2.8 - 3.8	C 3.26	0.05	1.9 - 2.9	C 2.42	0.07	2.0 - 3.0	C 2.46	0.05	4.0 - 5.0	C 4.48	0.04	5
SDI Biomed & SDI CA-240, 480	20	6.2 - 7.2	C 6.74	0.1	2.8 - 3.8	C 3.29	0.08	1.9 - 2.9	C 2.39	0.08	2.0 - 3.0	C 2.51	0.14	4.0 - 5.0	C 4.45	0.08	10
Siemens QuickLYTE IMT & Siemens Dim RxL, RxL Max	21	5.9 - 6.9	C 6.4	0.12	2.7 - 3.7	C 3.15	0.05	1.8 - 2.8	C 2.28	0.04	1.9 - 2.9	C 2.36	0.05	3.8 - 4.8	C 4.34	0.05	8
Siemens QuickLYTE IMT & Siemens Dimension EXL	22	5.9 - 6.9	C 6.44	0.09	2.7 - 3.7	C 3.19	0.03	1.8 - 2.8	C 2.29	0.08	1.9 - 2.9	C 2.39	0.03	3.9 - 4.9	C 4.42	0.05	55
Siemens QuickLYTE IMT & Siemens Dimension Xpand	23	6.0 - 7.0	C 6.46	0.07	2.7 - 3.7	C 3.2	0.03	1.8 - 2.8	C 2.3	0.05	1.9 - 2.9	C 2.4	0.0	3.9 - 4.9	C 4.42	0.06	34
Siemens dil ISE & Siemens Advia	24	6.1 - 7.1	C 6.55	0.16	2.8 - 3.8	C 3.27	0.05	1.8 - 2.8	C 2.3	0.06	2.0 - 3.0	C 2.52	0.04	4.0 - 5.0	C 4.52	0.09	6
Vital Diagnostic Eon & Vital Diagnostic Eon	25	6.4 - 7.4	C 6.88	0.08	2.7 - 3.7	C 3.2	0.1	1.7 - 2.7	C 2.17	0.08	1.8 - 2.8	C 2.32	0.04	3.9 - 4.9	C 4.43	0.04	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	26	5.5 - 6.5	C 6.03	0.18	2.5 - 3.5	C 3.03	0.08	1.6 - 2.6	C 2.07	0.04	1.8 - 2.8	C 2.25	0.05	3.7 - 4.7	C 4.18	0.13	4

Initial Grouping byReagent

Abbott Architect	27	6.0 - 7.0	C 6.52	0.09	2.8 - 3.8	C 3.26	0.06	1.9 - 2.9	C 2.43	0.08	2.0 - 3.0	C 2.46	0.06	4.0 - 5.0	C 4.46	0.09	23
Alfa Wassermann	28	6.8 - 7.8	C 7.31	0.12	2.8 - 3.8	C 3.33	0.08	1.9 - 2.9	C 2.38	0.15	1.9 - 2.9	C 2.38	0.08	4.1 - 5.1	C 4.61	0.09	25
Beckman Coulter	29	5.9 - 6.9	C 6.38	0.13	2.7 - 3.7	C 3.16	0.05	1.8 - 2.8	C 2.29	0.09	1.9 - 2.9	C 2.37	0.07	3.9 - 4.9	C 4.37	0.06	33
Beckman Olympus	30	5.7 - 6.7	C 6.2	0.1	2.7 - 3.7	C 3.21	0.04	1.9 - 2.9	C 2.41	0.09	2.0 - 3.0	C 2.45	0.06	3.8 - 4.8	C 4.31	0.06	63
Carolina	31	6.0 - 7.0	C 6.47	0.18	2.7 - 3.7	C 3.15	0.09	1.8 - 2.8	C 2.34	0.13	1.9 - 2.9	C 2.36	0.08	3.9 - 4.9	C 4.41	0.09	11
Diamond Diagnostics	32	5.9 - 6.9	C 6.41	0.21	2.7 - 3.7	C 3.16	0.09	1.9 - 2.9	C 2.38	0.16	1.9 - 2.9	C 2.4	0.1	3.9 - 4.9	C 4.35	0.1	8
Horiba ABX	33	6.4 - 7.4	C 6.89	0.11	2.8 - 3.8	C 3.26	0.05	1.8 - 2.8	C 2.3	0.05	2.0 - 3.0	C 2.49	0.03	4.1 - 5.1	C 4.56	0.05	7
Medica Easy RA	34	6.3 - 7.3	C 6.78	0.16	2.7 - 3.7	C 3.2	0.0	1.7 - 2.7	C 2.23	0.05	1.9 - 2.9	C 2.39	0.06	4.0 - 5.0	C 4.48	0.04	9
Medica EasyLyte	35	6.3 - 7.3	C 6.84	0.23	2.8 - 3.8	C 3.3	0.08	1.9 - 2.9	C 2.44	0.14	2.1 - 3.1	C 2.62	0.12	4.1 - 5.1	C 4.56	0.14	5
Ortho Vitros	36	7.4 - 8.4	C 7.86	0.13	3.0 - 4.0	C 3.46	0.06	1.9 - 2.9	C 2.4	0.03	2.0 - 3.0	C 2.53	0.05	4.5 - 5.5	C 4.95	0.08	50

Pointe Scientific	37	6.2 - 7.2	C 6.7	0.35	2.7 - 3.7	C 3.24	0.05	1.8 - 2.8	C 2.28	0.12	1.9 - 2.9	C 2.42	0.12	3.9 - 4.9	C 4.42	0.12	5
Roche Cobas dil ISE	38	6.0 - 7.0	C 6.48	0.13	2.8 - 3.8	C 3.25	0.1	1.9 - 2.9	C 2.37	0.12	1.9 - 2.9	C 2.43	0.1	4.0 - 5.0	C 4.46	0.12	36
Roche Cobas und ISE	39	5.9 - 6.9	C 6.44	0.1	2.7 - 3.7	C 3.24	0.05	1.9 - 2.9	C 2.38	0.08	1.9 - 2.9	C 2.44	0.05	4.0 - 5.0	C 4.47	0.05	9
SDI Biomed	40	6.2 - 7.2	C 6.74	0.1	2.8 - 3.8	C 3.29	0.08	1.9 - 2.9	C 2.39	0.08	2.0 - 3.0	C 2.51	0.14	4.0 - 5.0	C 4.45	0.08	10
Siemens QuickLYTE IMT	41	6.0 - 7.0	C 6.45	0.09	2.7 - 3.7	C 3.19	0.03	1.8 - 2.8	C 2.29	0.07	1.9 - 2.9	C 2.39	0.03	3.9 - 4.9	C 4.41	0.06	100
Siemens dil ISE	42	6.1 - 7.1	C 6.55	0.16	2.8 - 3.8	C 3.27	0.05	1.8 - 2.8	C 2.3	0.06	2.0 - 3.0	C 2.52	0.04	4.0 - 5.0	C 4.52	0.09	6
Vital Diagnostic Eon	43	6.4 - 7.4	C 6.88	0.08	2.7 - 3.7	C 3.2	0.1	1.7 - 2.7	C 2.17	0.08	1.8 - 2.8	C 2.32	0.04	3.9 - 4.9	C 4.43	0.04	4
Vital Diagnostics Envoy	44	5.5 - 6.5	C 6.03	0.18	2.5 - 3.5	C 3.03	0.08	1.6 - 2.6	C 2.07	0.04	1.8 - 2.8	C 2.25	0.05	3.7 - 4.7	C 4.18	0.13	4
Initial Grouping bySensitivityor Principle																	
Undiluted ISE results	45	6.4 - 7.4	C 6.9	0.59	2.8 - 3.8	C 3.28	0.12	1.8 - 2.8	C 2.34	0.1	1.9 - 2.9	C 2.44	0.09	4.1 - 5.1	C 4.57	0.23	228
Colorimetric/turbidimetric	46	6.2 - 7.2	C 6.67	0.31	2.7 - 3.7	C 3.19	0.12	1.8 - 2.8	C 2.28	0.12	1.9 - 2.9	C 2.37	0.13	4.0 - 5.0	C 4.46	0.12	8
Diluted ISE results	47	5.9 - 6.9	C 6.37	0.2	2.7 - 3.7	C 3.21	0.08	1.9 - 2.9	C 2.36	0.12	1.9 - 2.9	C 2.42	0.09	3.9 - 4.9	C 4.38	0.11	184
Total Population																	
Whole Population	48	6.2 - 7.2	C 6.65	0.59	2.8 - 3.8	C 3.25	0.12	1.9 - 2.9	C 2.36	0.15	1.9 - 2.9	C 2.44	0.16	4.0 - 5.0	C 4.48	0.23	423

Sodium

Initial Grouping byReagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	153 - 161	C 156.6	1.3	125 - 133	C 128.5	1.3	117 - 125	C 121.0	1.4	117 - 125	C 121.3	1.3	135 - 143	C 138.6	1.2	22
Alfa Wassermann & Alfa Wasser Excel/Alera	2	177 - 185	C 181.0	2.2	127 - 135	C 130.6	1.1	117 - 125	C 121.4	1.2	115 - 123	C 119.2	1.3	142 - 150	C 146.1	0.9	21
Beckman Coulter & Beck Coult Unical DXC	3	151 - 159	C 155.0	1.5	123 - 131	C 127.1	0.9	117 - 125	C 120.6	1.2	117 - 125	C 120.5	1.2	134 - 142	C 138.2	1.3	23
Beckman Coulter & Beck Olym AU 400/600/5400	4	146 - 154	C 150.2	1.2	122 - 130	C 126.4	0.5	115 - 123	C 119.2	0.4	116 - 124	C 119.8	0.4	131 - 139	C 135.2	0.7	5
Beckman Coulter & Beckman AU 480	5	147 - 155	C 151.4	2.6	123 - 131	C 127.2	1.2	116 - 124	C 119.8	0.7	116 - 124	C 120.2	0.7	132 - 140	C 136.0	1.3	5
Beckman Olympus & Beck Olym AU 400/600/5400	6	146 - 154	C 150.2	1.9	122 - 130	C 126.2	1.4	116 - 124	C 119.8	1.2	116 - 124	C 120.1	1.4	132 - 140	C 135.6	1.5	38
Beckman Olympus & Beck Olym AU 2700	7	147 - 155	C 151.0	2.3	122 - 130	C 125.8	1.1	116 - 124	C 119.8	0.8	116 - 124	C 119.8	1.6	132 - 140	C 135.8	0.4	4
Beckman Olympus & Beckman AU 480	8	146 - 154	C 150.3	1.5	122 - 130	C 126.3	1.1	116 - 124	C 119.8	1.0	116 - 124	C 119.9	0.9	132 - 140	C 135.5	1.4	20
Carolina & Beckman Synchron CX3/7/9/L	9	150 - 158	C 154.0	1.5	123 - 131	C 127.2	0.7	117 - 125	C 120.7	1.5	117 - 125	C 120.7	1.1	134 - 142	C 137.7	0.9	6
Diamond Diagnostics & Beck Olym AU 400/600/5400	10	146 - 154	C 150.3	1.5	122 - 130	C 126.3	0.8	116 - 124	C 119.5	0.5	116 - 124	C 120.0	0.7	131 - 139	C 135.0	0.7	4
Horiba ABX & Horiba ABX 400	11	171 - 179	C 174.7	2.6	126 - 134	C 130.0	0.8	119 - 127	C 122.6	1.2	116 - 124	C 120.3	0.9	142 - 150	C 145.9	1.6	7
Medica Easy RA & Medica Easy RA	12	170 - 178	C 174.2	2.9	128 - 136	C 132.0	1.4	120 - 128	C 124.1	1.3	119 - 127	C 122.9	1.0	143 - 151	C 147.3	1.9	9
Ortho Vitros & Ortho Vitros 3600, 5600	13	183 - 191	C 186.6	3.8	131 - 139	C 134.9	2.4	127 - 135	C 130.6	2.2	120 - 128	C 123.7	1.9	148 - 156	C 152.2	2.4	9
Ortho Vitros & Ortho Vitros 5,1 FS	14	185 - 193	C 189.1	2.3	133 - 141	C 136.6	1.2	129 - 137	C 133.0	2.1	121 - 129	C 125.4	1.3	151 - 159	C 155.3	2.2	7
Ortho Vitros & Ortho Vitros not DT or ECI	15	184 - 192	C 188.1	3.6	132 - 140	C 136.4	1.5	129 - 137	C 132.9	2.1	122 - 130	C 125.5	1.5	151 - 159	C 154.6	2.0	29
Roche Cobas dil ISE & Roche Cobas 6000	16	151 - 159	C 155.3	2.6	124 - 132	C 127.7	1.7	116 - 124	C 120.2	0.9	117 - 125	C 121.3	1.5	134 - 142	C 137.8	1.8	6
Roche Cobas dil ISE & Roche Cobas Integra	17	151 - 159	C 155.3	0.8	124 - 132	C 127.8	0.8	117 - 125	C 120.6	0.9	117 - 125	C 121.0	1.1	134 - 142	C 137.9	1.0	14
Roche Cobas dil ISE & Roche e/c, 1XX, X000, Elec series	18	152 - 160	C 156.0	2.3	125 - 133	C 128.8	2.2	118 - 126	C 121.6	2.2	118 - 126	C 121.7	2.3	135 - 143	C 139.1	2.1	16
Roche Cobas und ISE & Roche e/c, 1XX, X000, Elec series	19	151 - 159	C 154.8	0.7	124 - 132	C 128.2	1.2	117 - 125	C 120.6	0.8	117 - 125	C 121.2	0.7	135 - 143	C 138.8	1.0	5
SDI Biomed & SDI CA-240, 480	20	170 - 178	C 173.6	1.3	128 - 136	C 131.8	1.2	121 - 129	C 125.1	0.7	120 - 128	C 123.5	1.2	143 - 151	C 146.6	0.8	10
Siemens QuickLYTE IMT & Siemens Dim RXL, RXL Max	21	149 - 157	C 153.3	3.4	122 - 130	C 126.4	2.6	116 - 124	C 120.1	1.9	117 - 125	C 121.4	1.7	133 - 141	C 137.0	1.7	8
Siemens QuickLYTE IMT & Siemens Dimension EXL	22	151 - 159	C 154.9	2.3	126 - 134	C 129.9	1.4	119 - 127	C 122.5	1.2	120 - 128	C 123.6	1.4	135 - 143	C 139.3	1.5	54
Siemens QuickLYTE IMT & Siemens Dimension Xpand	23	151 - 159	C 155.1	1.8	126 - 134	C 129.8	1.1	119 - 127	C 122.6	1.2	120 - 128	C 123.9	1.2	135 - 143	C 139.4	1.6	34
Siemens dil ISE & Siemens Advia	24	152 - 160	C 155.8	1.3	125 - 133	C 128.5	1.0	118 - 126	C 121.5	1.0	118 - 126	C 121.7	1.2	135 - 143	C 138.7	1.9	6
Vital Diagnostic Eon & Vital Diagnostic Eon	25	179 - 187	C 182.5	2.7	132 - 140	C 135.8	3.3	123 - 131	C 126.8	2.6	119 - 127	C 123.3	2.8	146 - 154	C 150.0	1.2	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	26	150 - 158	C 153.5	1.8	123 - 131	C 126.5	1.5	115 - 123	C 119.0	0.7	116 - 124	C 119.5	2.1	133 - 141	C 136.5	1.5	4

Initial Grouping byReagent

Abbott Architect	27	153 - 161	C 156.6	1.3	125 - 133	C 128.5	1.3	117 - 125	C 121.0	1.4	117 - 125	C 121.3	1.3	135 - 143	C 138.6	1.2	22
Alfa Wassermann	28	177 - 185	C 181.2	2.3	127 - 135	C 130.7	1.1	117 - 125	C 121.4	1.1	115 - 123	C 119.3	1.3	142 - 150	C 146.1	0.9	22
Beckman Coulter	29	150 - 158	C 153.8	2.6	123 - 131	C 127.0	1.0	116 - 124	C 120.2	1.2	116 - 124	C 120.4	1.1	133 - 141	C 137.4	1.7	33
Beckman Olympus	30	146 - 154	C 150.3	1.8	122 - 130	C 126.2	1.3	116 - 124	C 119.8	1.1	116 - 124	C 120.0	1.3	132 - 140	C 135.6	1.4	64
Carolina	31	150 - 158	C 154.1	11.7	124 - 132	C 127.8	1.4	117 - 125	C 121.0	2.2	117 - 125	C 120.9	2.4	135 - 143	C 139.0	2.0	12
Diamond Diagnostics	32	151 - 159	C 154.9	8.2	123 - 131	C 126.5	2.4	116 - 124	C 120.1	2.1	117 - 125	C 120.5	2.5	133 - 141	C 136.6	3.4	8
Horiba ABX	33	171 - 179	C 174.7	2.6	126 - 134	C 130.0	0.8	119 - 127	C 122.6	1.2	116 - 124	C 120.3	0.9	142 - 150	C 145.9	1.6	7
Medica Easy RA	34	170 - 178	C 174.2	2.9	128 - 136	C 132.0	1.4	120 - 128	C 124.1	1.3	119 - 127	C 122.9	1.0	143 - 151	C 147.3	1.9	9
Medica EasyLyte	35	175 - 183	C 178.6	5.2	130 - 138	C 134.0	1.6	124 - 132	C 128.4	2.9	122 - 130	C 125.7	2.5	146 - 154	C 149.8	3.1	5
Ortho Vitros	36	184 - 192	C 187.9	3.5	132 - 140	C 136.1	1.9	128 - 136	C 132.3	2.5	121 - 129	C 125.1	1.8	150 - 158	C 154.2	2.4	50
Pointe Scientific	37	167 - 175	C 170.8	11.6	127 - 135	C 130.8	4.7	119 - 127	C 122.8	4.3	118 - 126	C 121.8	3.6	139 - 147	C 143.0	6.8	5
Roche Cobas dil ISE	38	152 - 160	C 155.6	2.0	124 - 132	C 128.2	1.8	117 - 125	C 121.0	1.7	117 - 125	C 121.4	1.8	134 - 142	C 138.4	1.8	36
Roche Cobas und ISE	39	153 - 161	C 157.2	7.4	124 - 132	C 127.9	1.1	117 - 125	C 120.6	1.2	116 - 124	C 120.4	1.1	135 - 143	C 139.1	3.0	9
SDI Biomed	40	170 - 178	C 173.6	1.3	128 - 136	C 131.8	1.2	121 - 129	C 125.1	0.7	120 - 128	C 123.5	1.2	143 - 151	C 146.6	0.8	10
Siemens QuickLYTE IMT	41	151 - 159	C 154.9	2.3	126 - 134	C 129.6	1.7	118 - 126	C 122.3	1.4	120 - 128	C 123.6	1.5	135 - 143	C 139.2	1.7	100

Siemens dil ISE	42	152 - 160	C 155.8	1.3	125 - 133	C 128.5	1.0	118 - 126	C 121.5	1.0	118 - 126	C 121.7	1.2	135 - 143	C 138.7	1.9	6
Vital Diagnostic Eon	43	179 - 187	C 182.5	2.7	132 - 140	C 135.8	3.3	123 - 131	C 126.8	2.6	119 - 127	C 123.3	2.8	146 - 154	C 150.0	1.2	4
Vital Diagnostics Envoy	44	150 - 158	C 153.5	1.8	123 - 131	C 126.5	1.5	115 - 123	C 119.0	0.7	116 - 124	C 119.5	2.1	133 - 141	C 136.5	1.5	4

Initial Grouping bySensitivityor Principle

Undiluted ISE	45	164 - 172	C 168.1	14.6	127 - 135	C 131.2	3.3	121 - 129	C 124.6	4.6	119 - 127	C 123.1	2.4	140 - 148	C 144.3	6.5	228
Colorimetric	46	164 - 172	C 167.6	9.6	125 - 133	C 129.4	4.2	120 - 128	C 124.0	3.7	118 - 126	C 121.9	3.1	138 - 146	C 142.4	5.8	8
Diluted ISE	47	150 - 158	C 154.0	6.4	123 - 131	C 127.4	2.2	117 - 125	C 120.5	1.9	117 - 125	C 120.7	1.8	134 - 142	C 137.5	3.0	185

Total Population

Whole Population	48	158 - 166	C 161.5	14.6	126 - 134	C 129.6	3.6	119 - 127	C 123.0	6.0	118 - 126	C 122.1	2.8	137 - 145	C 141.3	6.3	422
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Protein, Total

Initial Grouping byReagent and Instrument

Abbott & Abbott Architect c, ci, i	1	8.6 - 10.5	P 9.51	0.11	3.7 - 4.5	P 4.07	0.09	5.1 - 6.3	P 5.71	0.07	2.4 - 3.0	P 2.71	0.06	5.5 - 6.7	P 6.13	0.1	25
Alfa Wassermann & Alfa Wasser Axel/Alera	2	8.8 - 10.8	P 9.81	0.26	3.9 - 4.8	P 4.36	0.12	5.4 - 6.6	P 6.03	0.2	2.7 - 3.3	P 2.96	0.11	5.8 - 7.1	P 6.45	0.16	21
All refractometers & All other refractometers	3	11.0 - 13.5	P 12.24	0.19	4.9 - 6.0	P 5.42	0.12	6.1 - 7.4	P 6.74	0.11	3.4 - 4.1	P 3.77	0.12	7.1 - 8.7	P 7.92	0.14	314
All refractometers & Reichert TS Meter-DSP	4	11.0 - 13.5	P 12.26	0.18	4.9 - 6.0	P 5.44	0.18	6.0 - 7.4	P 6.72	0.14	3.4 - 4.2	P 3.78	0.16	7.1 - 8.7	P 7.87	0.17	65
Beckman Olympus & Beck Olym AU 400/600/5400	5	8.6 - 10.5	P 9.54	0.21	3.8 - 4.6	P 4.19	0.08	5.3 - 6.5	P 5.93	0.12	2.6 - 3.1	P 2.86	0.09	5.6 - 6.9	P 6.23	0.13	34
Beckman Olympus & Beck Olympus AU 2700	6	8.5 - 10.4	P 9.45	0.23	3.8 - 4.6	P 4.18	0.04	5.3 - 6.5	P 5.88	0.08	2.6 - 3.2	P 2.88	0.08	5.6 - 6.8	P 6.2	0.07	4
Beckman Olympus & Beckman AU 480	7	8.5 - 10.5	P 9.5	0.24	3.8 - 4.6	P 4.19	0.1	5.3 - 6.5	P 5.92	0.1	2.6 - 3.1	P 2.86	0.08	5.6 - 6.8	P 6.21	0.14	21
Beckman rate & Beck Coult Unicel DXC	8	8.7 - 10.6	P 9.64	0.11	3.8 - 4.6	P 4.2	0.07	5.5 - 6.7	P 6.06	0.05	2.6 - 3.2	P 2.88	0.07	5.6 - 6.9	P 6.25	0.05	8
Beckman unc & Beck Coult Unicel DXC	9	8.6 - 10.6	P 9.6	0.12	3.8 - 4.6	P 4.19	0.05	5.5 - 6.7	P 6.09	0.1	2.6 - 3.2	P 2.9	0.09	5.6 - 6.9	P 6.24	0.17	14
Carolina & Beck Olym AU 400/600/5400	10	9.0 - 11.1	P 10.05	0.4	3.9 - 4.8	P 4.38	0.13	5.5 - 6.7	P 6.13	0.23	2.7 - 3.3	P 2.98	0.13	5.8 - 7.1	P 6.48	0.25	4
Carolina & Beckman Synchron CX3/7/9/L	11	8.4 - 10.3	P 9.33	0.15	3.6 - 4.4	P 4.04	0.07	5.2 - 6.4	P 5.83	0.09	2.5 - 3.0	P 2.77	0.05	5.5 - 6.7	P 6.06	0.12	7
Horiba ABX & Horiba ABX 400	12	8.5 - 10.4	P 9.41	0.2	3.7 - 4.6	P 4.14	0.09	5.1 - 6.3	P 5.71	0.08	2.5 - 3.1	P 2.81	0.03	5.6 - 6.8	P 6.17	0.1	7
Ortho Vitros & Ortho Vitros 3600, 5600	13	7.8 - 9.6	P 8.7	0.2	3.9 - 4.7	P 4.28	0.11	5.2 - 6.4	P 5.79	0.11	2.6 - 3.2	P 2.93	0.09	5.5 - 6.7	P 6.08	0.14	10
Ortho Vitros & Ortho Vitros 5,1 FS	14	7.8 - 9.6	P 8.7	0.12	3.8 - 4.6	P 4.21	0.06	5.1 - 6.3	P 5.69	0.08	2.6 - 3.2	P 2.9	0.05	5.4 - 6.6	P 6.0	0.12	8
Ortho Vitros & Ortho Vitros not DT or ECi	15	7.8 - 9.5	P 8.63	0.22	3.8 - 4.7	P 4.24	0.12	5.2 - 6.3	P 5.76	0.14	2.6 - 3.2	P 2.94	0.08	5.5 - 6.7	P 6.1	0.14	26
Pointe Scientific & Beck Olym AU 400/600/5400	16	8.1 - 10.0	P 9.05	0.55	3.6 - 4.4	P 3.97	0.35	5.2 - 6.3	P 5.77	0.12	2.4 - 2.9	P 2.63	0.31	5.4 - 6.6	P 5.98	0.33	4
Reichert TS Meter-DSP & Reichert TS Meter-DSP	17	11.0 - 13.4	P 12.22	0.13	4.9 - 6.0	P 5.44	0.09	6.1 - 7.4	P 6.74	0.09	3.4 - 4.2	P 3.79	0.1	7.1 - 8.7	P 7.92	0.1	163
Roche Cobas & Roche Cobas 6000	18	8.7 - 10.6	P 9.63	0.24	3.9 - 4.7	P 4.3	0.12	5.5 - 6.7	P 6.08	0.13	2.6 - 3.2	P 2.92	0.07	5.7 - 7.0	P 6.36	0.14	7
Roche Cobas & Roche Cobas Integra	19	8.4 - 10.2	P 9.31	0.2	3.8 - 4.6	P 4.19	0.11	5.3 - 6.5	P 5.89	0.12	2.6 - 3.1	P 2.84	0.09	5.6 - 6.8	P 6.2	0.13	16
Roche Cobas & Roche e/c, 1XX, X000, Elec series	20	8.6 - 10.5	P 9.58	0.22	3.9 - 4.8	P 4.33	0.08	5.4 - 6.6	P 6.03	0.13	2.6 - 3.2	P 2.93	0.06	5.7 - 7.0	P 6.36	0.12	21
SDI Biomed & SDI CA-240, 480	21	8.9 - 10.9	P 9.89	0.16	3.9 - 4.8	P 4.32	0.14	5.3 - 6.5	P 5.91	0.11	2.6 - 3.2	P 2.89	0.12	5.8 - 7.1	P 6.45	0.1	11
Sekisui & Beck Olym AU 400/600/5400	22	8.7 - 10.6	P 9.65	0.32	3.9 - 4.7	P 4.3	0.12	5.4 - 6.6	P 5.98	0.16	2.6 - 3.2	P 2.93	0.08	5.8 - 7.1	P 6.43	0.24	4
Siemens Dimension & Siemens Dim Rxl., Rxl. Max	23	8.9 - 10.9	P 9.91	0.21	3.9 - 4.8	P 4.36	0.12	5.5 - 6.8	P 6.14	0.12	2.7 - 3.3	P 3.0	0.1	5.9 - 7.2	P 6.5	0.11	8
Siemens Dimension & Siemens Dimension EXL	24	8.9 - 10.9	P 9.93	0.17	4.0 - 4.8	P 4.4	0.08	5.6 - 6.8	P 6.17	0.1	2.7 - 3.3	P 3.0	0.09	5.8 - 7.2	P 6.5	0.11	49
Siemens Dimension & Siemens Dimension Xpand	25	8.9 - 10.8	P 9.86	0.25	4.0 - 4.8	P 4.39	0.12	5.5 - 6.7	P 6.11	0.16	2.7 - 3.3	P 3.0	0.09	5.8 - 7.1	P 6.45	0.18	29
Siemens biuret based & Siemens Advia	26	8.8 - 10.8	P 9.8	0.14	3.9 - 4.8	P 4.34	0.12	5.5 - 6.7	P 6.13	0.09	2.6 - 3.2	P 2.94	0.07	5.8 - 7.1	P 6.44	0.12	7
Siemens biuret based & Siemens Dimension EXL	27	8.8 - 10.8	P 9.8	0.19	4.0 - 4.8	P 4.4	0.08	5.5 - 6.7	P 6.12	0.09	2.7 - 3.3	P 3.03	0.07	5.8 - 7.1	P 6.45	0.13	6
Siemens biuret based & Siemens Dimension Xpand	28	9.0 - 11.0	P 9.98	0.26	4.0 - 4.8	P 4.4	0.09	5.5 - 6.8	P 6.16	0.12	2.7 - 3.3	P 2.98	0.07	5.9 - 7.2	P 6.52	0.13	5
Synermed & Synermed IR500	29	9.3 - 11.4	P 10.33	0.25	4.1 - 5.0	P 4.57	0.08	5.7 - 6.9	P 6.3	0.19	2.8 - 3.4	P 3.1	0.0	6.1 - 7.5	P 6.78	0.11	4
Vital Diagnostic & Vital Diagnostic Eon	30	8.8 - 10.7	P 9.73	0.23	3.8 - 4.6	P 4.22	0.04	5.3 - 6.4	P 5.85	0.17	2.5 - 3.1	P 2.83	0.08	5.6 - 6.9	P 6.23	0.05	4

Initial Grouping byReagent

Abbott	31	8.6 - 10.5	P 9.51	0.11	3.7 - 4.5	P 4.07	0.09	5.1 - 6.3	P 5.71	0.07	2.4 - 3.0	P 2.71	0.06	5.5 - 6.7	P 6.13	0.1	25
Alfa Wassermann	32	8.8 - 10.8	P 9.8	0.26	3.9 - 4.8	P 4.35	0.12	5.4 - 6.6	P 6.02	0.2	2.7 - 3.3	P 2.96	0.11	5.8 - 7.1	P 6.44	0.16	22
All refractometers	33	11.0 - 13.5	P 12.24	0.19	4.9 - 6.0	P 5.42	0.14	6.1 - 7.4	P 6.74	0.11	3.4 - 4.1	P 3.77	0.13	7.1 - 8.7	P 7.91	0.14	380
Beckman Olympus	34	8.6 - 10.5	P 9.51	0.23	3.8 - 4.6	P 4.19	0.09	5.3 - 6.5	P 5.92	0.11	2.6 - 3.1	P 2.86	0.09	5.6 - 6.8	P 6.22	0.13	61
Beckman rate	35	8.7 - 10.6	P 9.64	0.11	3.8 - 4.6	P 4.2	0.07	5.5 - 6.7	P 6.06	0.05	2.6 - 3.2	P 2.88	0.07	5.6 - 6.9	P 6.25	0.05	8
Beckman unc	36	8.7 - 10.6	P 9.63	0.16	3.8 - 4.6	P 4.2	0.07	5.5 - 6.7	P 6.1	0.1	2.6 - 3.2	P 2.91	0.09	5.6 - 6.9	P 6.26	0.17	15
Carolina	37	8.6 - 10.5	P 9.57	0.37	3.7 - 4.6	P 4.16	0.15	5.3 - 6.5	P 5.91	0.19	2.6 - 3.1	P 2.84	0.11	5.6 - 6.8	P 6.21	0.22	17
Horiba ABX	38	8.5 - 10.4	P 9.41	0.2	3.7 - 4.6	P 4.14	0.09	5.1 - 6.3	P 5.71	0.08	2.5 - 3.1	P 2.81	0.03	5.6 - 6.8	P 6.17	0.1	7
Ortho Vitros	39	7.8 - 9.5	P 8.65	0.21	3.8 - 4.7	P 4.24	0.11	5.2 - 6.3	P 5.74	0.13	2.6 - 3.2	P 2.93	0.08	5.5 - 6.7	P 6.07	0.14	49
Pointe Scientific	40	8.6 - 10.6	P 9.61	0.68	3.8 - 4.6	P 4.2	0.31	5.3 - 6.5	P 5.94	0.21	2.5 - 3.1	P 2.82	0.27	5.6 - 6.8	P 6.22	0.33	10
Reichert TS Meter-DSP	41	11.0 - 13.4	P 12.22	0.13	4.9 - 6.0	P 5.44	0.09	6.1 - 7.4	P 6.75	0.09	3.4 - 4.2	P 3.79	0.1	7.1 - 8.7	P 7.92	0.1	164
Roche Cobas	42	8.5 - 10.4	P 9.49	0.26	3.8 - 4.7	P 4.27	0.12	5.4 - 6.6	P 5.98	0.15	2.6 - 3.2	P 2.9	0.08	5.7 - 6.9	P 6.3	0.15	44
SDI Biomed	43	8.9 - 10.9	P 9.89	0.16	3.9 - 4.8	P 4.32	0.14	5.3 - 6.5	P 5.91	0.11	2.6 - 3.2	P 2.89	0.12	5.8 - 7.1	P 6.45	0.1	11
Sekisui	44	8.6 - 10.6	P 9.61	0.26	3.8 - 4.7	P 4.26	0.1	5.3 - 6.5	P 5.87	0.22	2.6 - 3.1	P 2.84	0.16	5.7 - 7.0	P 6.33	0.21	7
Siemens Dimension	45	8.9 - 10.9	P 9.91	0.21	4.0 - 4.8	P 4.39	0.1	5.5 - 6.8	P 6.15	0.13	2.7 - 3.3	P 3.0	0.09	5.8 - 7.1	P 6.49	0.14	89
Siemens biuret based	46	8.9 - 10.8	P 9.85	0.21	3.9 - 4.8	P 4.38	0.1	5.5 - 6.7	P 6.13	0.1	2.7 - 3.3	P 2.98	0.08	5.8 - 7.1	P 6.47	0.13	18
Synermed	47	9.3 - 11.3	P 10.28	0.24	4.1 - 5.0	P 4.54	0.1	5.7 - 6.9	P 6.3	0.17	2.8 - 3.4	P 3.08	0.04	6.1 - 7.4	P 6.74	0.12	5
Vital Diagnostic	48	8.8 - 10.7	P 9.73	0.23	3.8 - 4.6	P 4.22	0.04	5.3 - 6.4	P 5.85	0.17	2.5 - 3.1	P 2.83	0.08	5.6 - 6.9	P 6.23	0.05	4

Initial Grouping bySensitivityor Principle

Bichromatic-no sam blanks	49	8.7 - 10.6	P 9.64	0.32	3.8 - 4.7	P 4.23	0.16	5.3 - 6.5	P 5.93	0.21	2.6 - 3.2	P 2.87	0.13	5.7 - 6.9	P 6.29	0.21	150
All refractometer users	50	11.0 - 13.5	P 12.24	0.19	4.9 - 6.0	P 5.42	0.14	6.1 - 7.4	P 6.74	0.11	3.4 - 4.1	P 3.77	0.13	7.1 - 8.7	P 7.91	0.14	380
Rate	51	8.6 - 10.6	P 9.6	0.31	3.8 - 4.6	P 4.18	0.13	5.4 - 6.6	P 5.96	0.17	2.6 - 3.1	P 2.85	0.1	5.6 - 6.8	P 6.22	0.19	25
Uncorrected	52	8.2 - 10.1	P 9.15	0.68	3.8 - 4.7	P 4.24	0.19	5.3 - 6.4	P 5.86	0.22	2.6 - 3.2	P 2.9	0.15	5.6 - 6.8	P 6.18	0.3	98
Bichromatic-sample blanked	53	8.9 - 10.9	P 9.93	0.3	4.0 - 4.8	P 4.4	0.14	5.5 - 6.8	P 6.16	0.14	2.7 - 3.3	P 3.01	0.12	5.9 - 7.2	P 6.51	0.2	90
Just sample blanked	54	8.5 - 10.4	P 9.49	0.26	3.8 - 4.7	P 4.27	0.12	5.4 - 6.6	P 5.98	0.15	2.6 - 3.2	P 2.9	0.08	5.7 - 6.9	P 6.3	0.15	44
Total Population																	
Whole Population	55	10.0 - 12.2	P 11.08	1.39	4.5 - 5.4	P 4.95	0.72	5.8 - 7.0	P 6.4	0.45	3.1 - 3.8	P 3.43	0.51	6.5 - 7.9	P 7.21	0.89	953

Triglycerides

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	153 - 255	P 203.6	2.8	67 - 112	P 89.4	1.6	19 - 32	P 25.5	1.5	45 - 75	P 60.4	1.4	100 - 167	P 133.2	1.9	23
Alfa Wassermann & Alfa Wasser Axel/Alera	2	152 - 254	P 203.3	6.1	71 - 119	P 94.9	2.9	23 - 38	P 30.4	1.4	49 - 82	P 65.7	2.4	102 - 170	P 136.1	4.3	19
Beckman GPO glycerol-unc & Beck Coulit Unicel DXC	3	165 - 275	P 220.3	8.1	70 - 116	P 92.8	2.8	26 - 43	P 34.0	1.9	46 - 76	P 60.8	2.5	106 - 177	P 141.8	3.4	18
Beckman Olympus & Beck Olym AU 400/600/5400	4	154 - 258	P 206.0	5.7	67 - 112	P 89.4	3.6	18 - 31	P 24.5	1.0	45 - 75	P 60.2	2.6	99 - 165	P 132.2	5.0	29
Beckman Olympus & Beck Olympus AU 2700	5	149 - 249	P 199.0	5.0	66 - 110	P 88.0	1.9	18 - 30	P 23.8	1.1	45 - 75	P 60.0	0.7	97 - 162	P 129.5	3.4	4
Beckman Olympus & Beckman AU 480	6	154 - 257	P 205.4	2.9	68 - 113	P 90.2	1.5	19 - 31	P 25.2	0.9	46 - 76	P 60.9	1.5	101 - 168	P 134.2	3.8	19
Carolina & Beck Olym AU 400/600/5400	7	124 - 206	P 165.0	8.0	58 - 97	P 77.3	5.1	14 - 23	P 18.8	1.5	40 - 67	P 53.3	3.3	83 - 138	P 110.0	5.8	4
Carolina & Beckman Synchron CX3/7/9/L	8	151 - 252	P 201.6	10.4	67 - 111	P 89.1	7.6	21 - 35	P 27.7	3.0	46 - 76	P 60.9	7.4	98 - 164	P 131.0	10.1	7
Horiba ABX & Horiba ABX 400	9	153 - 255	P 204.3	4.3	68 - 113	P 90.3	1.6	19 - 32	P 25.3	0.8	46 - 77	P 61.8	2.6	101 - 169	P 135.0	1.2	4
Ortho Vitros & Ortho Vitros 3600, 5600	10	171 - 284	P 227.4	6.0	66 - 110	P 87.7	2.2	19 - 31	P 25.0	1.6	43 - 72	P 57.2	1.5	104 - 173	P 138.0	4.8	9
Ortho Vitros & Ortho Vitros 5,1 FS	11	169 - 281	P 224.9	6.4	65 - 108	P 86.5	2.6	18 - 30	P 24.3	1.4	42 - 70	P 56.3	1.3	102 - 170	P 136.1	4.2	8
Ortho Vitros & Ortho Vitros not DT or ECI	12	172 - 286	P 229.2	7.8	67 - 111	P 88.7	2.9	18 - 30	P 23.7	1.4	43 - 72	P 57.7	1.4	105 - 175	P 140.2	4.8	24
Pointe Scientific & Beck Olym AU 400/600/5400	13	142 - 236	P 188.8	9.4	62 - 104	P 83.0	3.2	17 - 29	P 23.3	1.3	43 - 71	P 56.8	3.3	92 - 153	P 122.8	5.1	4
Pointe Scientific & Other spectrophotometers	14	150 - 250	P 199.8	1.6	68 - 113	P 90.0	0.0	18 - 31	P 24.4	2.2	45 - 75	P 59.8	0.4	102 - 170	P 136.2	3.7	5
Pointe Scientific & Pointe Sci 180/Sterl 2000	15	134 - 223	P 178.7	8.9	59 - 98	P 78.7	4.6	15 - 25	P 19.8	5.5	38 - 63	P 50.7	5.2	86 - 144	P 114.9	5.6	8
Roche Cobas & Roche Cobas 6000	16	157 - 261	P 209.1	4.3	71 - 118	P 94.0	2.6	20 - 34	P 27.2	0.7	47 - 79	P 63.2	1.2	103 - 172	P 137.4	2.5	7
Roche Cobas & Roche Cobas Integra	17	148 - 247	P 197.7	2.8	67 - 112	P 89.4	2.5	19 - 32	P 25.9	0.5	46 - 77	P 61.2	0.9	99 - 165	P 132.0	2.2	14
Roche Cobas & Roche e/c, 1XX, X000, Elec series	18	155 - 258	P 206.1	6.8	70 - 117	P 93.7	3.1	21 - 34	P 27.4	1.2	48 - 80	P 64.0	2.2	103 - 171	P 136.7	4.5	21
SDI Biomed & SDI CA-240, 480	19	161 - 269	P 215.1	4.0	70 - 116	P 93.0	8.0	20 - 34	P 27.3	1.4	48 - 81	P 64.5	1.4	104 - 173	P 138.1	6.4	8
Sekisui & Beck Olym AU 400/600/5400	20	154 - 257	P 205.8	20.4	69 - 115	P 91.8	6.5	19 - 32	P 25.8	2.3	47 - 79	P 63.3	4.8	101 - 168	P 134.0	11.8	4
Siemens Advia & Siemens Advia	21	158 - 263	P 210.4	7.3	69 - 115	P 92.2	3.3	20 - 34	P 27.2	1.7	47 - 78	P 62.6	1.9	103 - 172	P 137.6	4.0	5
Siemens Dimension & Siemens Dim Rxl, Rxl Max	22	150 - 250	P 199.8	6.3	62 - 104	P 83.0	2.0	14 - 23	P 18.4	1.1	41 - 68	P 54.4	1.5	96 - 161	P 128.6	2.2	8
Siemens Dimension & Siemens Dimension EXL	23	151 - 251	P 201.1	3.0	63 - 104	P 83.6	2.5	13 - 22	P 17.8	2.1	40 - 67	P 53.6	2.9	96 - 160	P 128.3	3.2	48
Siemens Dimension & Siemens Dimension Xpand	24	152 - 253	P 202.5	3.3	63 - 106	P 84.6	2.3	14 - 23	P 18.1	2.2	40 - 67	P 53.8	2.2	98 - 163	P 130.1	3.1	30
Siemens Express & Siemens Dimension EXL	25	150 - 250	P 200.3	3.0	63 - 104	P 83.5	3.3	13 - 22	P 17.7	1.7	39 - 65	P 51.8	2.7	95 - 159	P 127.2	1.7	6
Sterling Diagnostic & Other spectrophotometers	26	148 - 246	P 197.2	6.8	68 - 113	P 90.1	6.0	18 - 31	P 24.6	3.1	44 - 74	P 58.9	5.8	100 - 167	P 133.9	6.1	11
Sterling Diagnostic & Pointe Sci 180/Sterl 2000	27	155 - 259	P 206.9	9.8	68 - 113	P 90.1	4.2	16 - 27	P 21.3	6.0	42 - 71	P 56.6	4.2	102 - 170	P 136.0	4.2	7
Vital Diagnostics Envoy & Vital Diagnostic Envoy	28	160 - 267	P 213.2	11.8	70 - 116	P 93.0	2.3	22 - 36	P 29.0	3.7	48 - 80	P 63.8	5.4	103 - 172	P 137.5	6.2	5

Initial Grouping by Reagent

Abbott	29	153 - 255	P 203.6	2.8	67 - 112	P 89.4	1.6	19 - 32	P 25.5	1.5	45 - 75	P 60.4	1.4	100 - 167	P 133.2	1.9	23
Alfa Wassermann	30	152 - 254	P 203.2	6.0	71 - 119	P 94.9	2.9	23 - 38	P 30.4	1.4	49 - 82	P 65.7	2.4	102 - 170	P 136.0	4.3	20
Beckman GPO glycerol-unc	31	165 - 275	P 220.4	7.9	70 - 116	P 93.0	2.9	26 - 43	P 34.0	1.8	46 - 76	P 60.9	2.5	106 - 177	P 141.9	3.4	19
Beckman Olympus	32	154 - 256	P 205.0	5.3	67 - 112	P 89.5	3.0	18 - 31	P 24.6	1.1	45 - 76	P 60.6	2.4	100 - 166	P 132.9	4.9	54
Carolina	33	146 - 243	P 194.2	21.1	64 - 107	P 85.8	9.6	18 - 30	P 24.1	5.6	44 - 73	P 58.5	7.1	94 - 157	P 125.6	14.4	17
Horiba ABX	34	153 - 255	P 204.3	4.3	68 - 113	P 90.3	1.6	19 - 32	P 25.3	0.8	46 - 77	P 61.8	2.6	101 - 169	P 135.0	1.2	4
Ortho Vitros	35	171 - 285	P 228.1	7.2	66 - 110	P 88.2	2.8	18 - 30	P 24.1	1.5	43 - 72	P 57.3	1.5	104 - 174	P 139.1	4.9	45
Pointe Scientific	36	141 - 235	P 187.9	12.2	63 - 104	P 83.4	5.5	17 - 28	P 22.3	4.1	41 - 69	P 55.2	5.1	93 - 154	P 123.6	9.7	22
Roche Cobas	37	153 - 255	P 204.0	7.0	69 - 115	P 92.3	3.5	20 - 34	P 26.9	1.1	47 - 79	P 63.0	2.2	101 - 169	P 135.3	4.3	42
SDI Biomed	38	161 - 269	P 215.1	4.0	70 - 116	P 93.0	8.0	20 - 34	P 27.3	1.4	48 - 81	P 64.5	1.4	104 - 173	P 138.1	6.4	8
Sekisui	39	152 - 254	P 203.1	15.5	68 - 113	P 90.6	5.8	19 - 32	P 25.3	3.1	46 - 77	P 61.9	4.5	99 - 165	P 132.4	9.6	8
Siemens Advia	40	158 - 263	P 210.4	7.3	69 - 115	P 92.2	3.3	20 - 34	P 27.2	1.7	47 - 78	P 62.6	1.9	103 - 172	P 137.6	4.0	5
Siemens Dimension	41	151 - 252	P 201.7	4.3	63 - 105	P 84.1	3.0	14 - 23	P 18.1	2.4	41 - 67	P 54.0	3.0	97 - 161	P 129.2	3.7	88
Siemens Express	42	150 - 250	P 200.1	2.6	63 - 104	P 83.4	2.8	13 - 22	P 17.8	1.7	39 - 65	P 52.0	2.1	95 - 158	P 126.7	1.6	10
Sterling Diagnostic	43	151 - 251	P 200.9	9.4	68 - 113	P 90.1	5.3	17 - 29	P 23.3	4.7	44 - 73	P 58.0	5.4	101 - 168	P 134.7	5.5	18
Synermed	44	167 - 278	P 222.0	15.6	72 - 120	P 96.0	8.0	20 - 33	P 26.0	3.6	49 - 82	P 65.8	7.1	107 - 178	P 142.3	10.4	4
Vital Diagnostics Envoy	45	160 - 267	P 213.2	11.8	70 - 116	P 93.0	2.3	22 - 36	P 29.0	3.7	48 - 80	P 63.8	5.4	103 - 172	P 137.5	6.2	5

Initial Grouping by Sensitivity or Principle

Gly-unc/visible/GPO-based	46	155 - 258	P 206.7	13.6	66 - 110	P 88.3	5.4	18 - 30	P 23.7	4.7	44 - 73	P 58.7	4.9	100 - 166	P 133.1	7.7	370
Gly-unc/visible/INT-based	47	153 - 254	P 203.4	6.0	71 - 118	P 94.5	3.4	23 - 38	P 30.1	1.9	49 - 81	P 65.2	3.1	102 - 170	P 135.9	4.2	21
Gly-cor/visible/GPO-based	48	156 - 260	P 207.7	9.2	68 - 113	P 90.3	3.2	20 - 33	P 26.7	2.6	46 - 77	P 61.8	3.1	102 - 169	P 135.6	4.5	9

Gly-unc/340nm/GDH-based	49	150 - 250	P 200.1	2.6	63 - 104	P 83.4	2.8	13 - 22	P 17.8	1.7	39 - 65	P 52.0	2.1	95 - 158	P 126.7	1.6	10
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Total Population																	
Whole Population	50	154 - 257	P 205.6	16.7	67 - 111	P 88.7	6.8	18 - 30	P 24.3	5.9	44 - 73	P 58.6	6.8	100 - 166	P 133.0	10.4	413

Urea Nitrogen (BUN)

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	40 - 48	P 43.8	0.9	11 - 15	C 13.1	0.5	5 - 9	C 6.5	0.7	4 - 8	C 5.8	0.4	22 - 26	P 24.3	0.9	23
Alfa Wassermann & Alfa Wasser Axel/Alera	2	38 - 46	P 42.2	1.8	11 - 15	C 13.3	1.0	4 - 8	C 6.3	0.6	4 - 8	C 5.9	0.5	22 - 26	P 24.3	1.0	24
Beckman GLDH-rate & Beck Coulter Unicel DXC	3	41 - 49	P 44.8	0.9	12 - 16	C 13.7	0.4	5 - 9	C 7.1	0.2	5 - 9	C 6.6	0.6	23 - 28	P 25.3	0.6	19
Beckman Olympus & Beck Olym AU 400/600/5400	4	39 - 47	P 42.7	1.3	11 - 15	C 13.2	0.7	4 - 8	C 5.9	0.3	4 - 8	C 5.9	0.3	22 - 27	P 24.5	0.9	33
Beckman Olympus & Beck Olym AU 2700	5	38 - 46	P 41.8	1.1	11 - 15	C 12.8	0.8	4 - 8	C 5.8	0.4	4 - 8	C 5.8	0.4	22 - 26	P 24.0	0.7	4
Beckman Olympus & Beckman AU 480	6	39 - 47	P 43.4	1.0	12 - 16	C 13.5	0.6	4 - 8	C 6.2	0.5	4 - 8	C 6.2	0.5	23 - 27	P 24.9	0.7	21
Carolina & Beckman Synchron CX3/7/9/L	7	39 - 47	P 43.3	3.3	12 - 16	C 14.2	1.3	4 - 8	C 6.0	1.9	5 - 9	C 7.0	1.0	23 - 27	P 25.2	1.7	6
Horiba ABX & Horiba ABX 400	8	38 - 46	P 42.3	1.0	11 - 15	C 12.9	0.3	4 - 8	C 5.7	0.5	3 - 7	C 5.4	0.5	21 - 26	P 23.4	0.5	7
Medica & Medica Easy RA	9	40 - 48	P 43.8	1.0	12 - 16	C 14.3	0.5	4 - 8	C 6.2	0.6	4 - 8	C 6.0	0.5	23 - 28	P 25.4	0.7	9
Ortho Vitros & Ortho Vitros 3600, 5600	10	35 - 42	P 38.6	0.7	9 - 13	C 11.0	0.0	2 - 6	C 4.0	0.0	2 - 6	C 4.3	0.5	19 - 23	C 20.6	0.5	10
Ortho Vitros & Ortho Vitros 5,1 FS	11	35 - 42	P 38.4	0.7	9 - 13	C 11.0	0.0	2 - 6	C 4.4	0.5	2 - 6	C 4.4	0.5	19 - 23	C 20.8	0.4	8
Ortho Vitros & Ortho Vitros not DT or ECI	12	36 - 43	P 39.1	0.9	9 - 13	C 11.3	0.6	2 - 6	C 4.4	0.5	3 - 7	C 4.5	0.5	19 - 23	C 21.3	0.7	29
Pointe Scientific & Beck Olym AU 400/600/5400	13	38 - 46	P 42.3	1.6	11 - 15	C 13.0	0.0	4 - 8	C 6.0	0.0	4 - 8	C 6.0	0.0	22 - 26	P 24.0	0.0	4
Roche Cobas & Roche Cobas 6000	14	38 - 46	P 42.3	1.2	11 - 15	C 13.1	0.3	4 - 8	C 5.9	0.3	4 - 8	C 5.7	0.5	21 - 26	P 23.6	0.9	7
Roche Cobas & Roche Cobas Integra	15	37 - 45	P 41.0	1.3	11 - 15	C 12.7	0.7	4 - 8	C 5.6	0.5	3 - 7	C 5.4	0.5	21 - 26	P 23.6	0.9	16
Roche Cobas & Roche e/c, 1XX, X000, Elec series	16	38 - 46	P 42.1	1.2	11 - 15	C 12.9	0.4	4 - 8	C 6.0	0.0	4 - 8	C 6.0	0.0	22 - 26	P 23.9	0.8	22
SDI Biomed & SDI CA-240, 480	17	39 - 46	P 42.6	0.8	12 - 16	C 13.7	0.6	5 - 9	C 6.6	0.5	4 - 8	C 6.2	0.4	23 - 27	P 24.8	0.9	10
Sekisui & Beck Olym AU 400/600/5400	18	37 - 44	P 40.6	1.0	11 - 15	C 12.8	0.7	4 - 8	C 5.8	0.4	4 - 8	C 5.6	0.5	21 - 25	P 23.0	0.9	5
Siemens GLDH-rate & Siemens Advia	19	39 - 47	P 42.8	0.7	12 - 16	C 13.5	0.5	4 - 8	C 6.2	0.4	4 - 8	C 5.8	0.4	22 - 27	P 24.7	0.7	6
Siemens GLDH-rate & Siemens Dim Rxl, Rxl Max	20	39 - 47	P 43.1	1.6	11 - 15	C 13.3	1.0	4 - 8	C 6.4	0.5	4 - 8	C 5.6	1.0	22 - 27	P 24.4	1.0	8
Siemens GLDH-rate & Siemens Dimension EXL	21	39 - 47	P 43.0	1.6	11 - 15	C 13.3	0.6	4 - 8	C 6.3	0.7	4 - 8	C 5.8	0.6	22 - 26	P 24.3	0.9	53
Siemens GLDH-rate & Siemens Dimension Xpand	22	39 - 47	P 43.0	1.3	11 - 15	C 13.2	0.5	4 - 8	C 6.2	0.7	4 - 8	C 5.8	0.6	22 - 26	P 24.3	0.8	33
Sterling Diagnostic & Other spectrophotometers	23	23 - 28	P 25.7	1.5	12 - 16	C 14.4	1.0	8 - 12	C 10.0	1.2	5 - 9	C 6.7	0.5	20 - 24	C 21.5	1.5	6
Synermed & Synermed IR500	24	36 - 43	P 39.3	0.8	11 - 15	C 12.5	0.9	4 - 8	C 6.3	0.8	4 - 8	C 5.8	0.8	21 - 25	P 23.3	1.5	4
Vital Diagnostic & Vital Diagnostic Eon	25	39 - 47	P 43.3	1.1	12 - 16	C 13.8	0.4	5 - 9	C 6.8	0.4	4 - 8	C 6.3	0.4	24 - 28	P 26.0	1.2	4
Vital Diagnostics Envoy & Vital Diagnostic Envoy	26	38 - 46	P 42.0	1.0	12 - 16	C 13.5	0.5	4 - 8	C 6.3	0.4	4 - 8	C 5.8	0.4	23 - 27	P 25.0	0.7	4

Initial Grouping by Reagent

Abbott	27	40 - 48	P 43.8	0.9	11 - 15	C 13.1	0.5	5 - 9	C 6.5	0.7	4 - 8	C 5.8	0.4	22 - 26	P 24.3	0.9	23
Alfa Wassermann	28	38 - 46	P 42.1	1.8	11 - 15	C 13.3	1.0	4 - 8	C 6.3	0.6	4 - 8	C 5.9	0.5	22 - 26	P 24.2	1.0	25
Beckman GLDH-rate	29	41 - 49	P 44.7	1.1	12 - 16	C 13.7	0.5	5 - 9	C 7.0	0.3	5 - 9	C 6.5	0.6	23 - 28	P 25.3	0.7	21
Beckman Olympus	30	39 - 47	P 42.8	1.3	11 - 15	C 13.3	0.7	4 - 8	C 6.0	0.4	4 - 8	C 6.0	0.4	22 - 27	P 24.5	0.9	60
Carolina	31	39 - 47	P 43.4	2.5	12 - 16	C 14.1	1.0	4 - 8	C 6.2	1.3	5 - 9	C 6.7	0.9	23 - 28	P 25.3	1.3	15
Horiba ABX	32	38 - 46	P 42.3	1.0	11 - 15	C 12.9	0.3	4 - 8	C 5.7	0.5	3 - 7	C 5.4	0.5	21 - 26	P 23.4	0.5	7
Medica	33	40 - 48	P 43.8	1.0	12 - 16	C 14.3	0.5	4 - 8	C 6.2	0.6	4 - 8	C 6.0	0.5	23 - 28	P 25.4	0.7	9
Ortho Vitros	34	35 - 42	P 38.8	0.9	9 - 13	C 11.2	0.5	2 - 6	C 4.3	0.5	3 - 7	C 4.5	0.5	19 - 23	C 21.1	0.7	51
Pointe Scientific	35	38 - 46	P 42.3	1.4	11 - 15	C 13.0	0.4	4 - 8	C 5.8	0.6	4 - 8	C 6.1	0.3	22 - 27	P 24.4	0.5	10
Roche Cobas	36	38 - 45	P 41.7	1.3	11 - 15	C 12.9	0.5	4 - 8	C 5.8	0.4	4 - 8	C 5.7	0.4	22 - 26	P 23.7	0.9	45
SDI Biomed	37	39 - 46	P 42.6	0.8	12 - 16	C 13.7	0.6	5 - 9	C 6.6	0.5	4 - 8	C 6.2	0.4	23 - 27	P 24.8	0.9	10
Sekisui	38	37 - 44	P 40.6	0.8	11 - 15	C 13.2	0.8	4 - 8	C 6.0	0.5	4 - 8	C 5.8	0.6	22 - 26	P 23.7	1.5	9
Siemens GLDH-endpt	39	39 - 47	P 43.3	1.3	11 - 15	C 13.3	1.3	5 - 9	C 6.5	0.5	4 - 8	C 6.0	0.7	23 - 27	P 25.0	1.0	4
Siemens GLDH-rate	40	39 - 47	P 43.0	1.5	11 - 15	C 13.3	0.6	4 - 8	C 6.3	0.7	4 - 8	C 5.8	0.6	22 - 27	P 24.4	0.9	103
Sterling Diagnostic	41	24 - 29	P 26.2	1.9	13 - 17	C 14.7	1.0	8 - 12	C 10.4	1.3	5 - 9	C 6.9	0.6	20 - 24	C 22.0	1.9	9
Synermed	42	36 - 43	P 39.8	1.3	11 - 15	C 12.6	0.8	4 - 8	C 6.4	0.8	4 - 8	C 5.8	0.7	21 - 26	P 23.6	1.5	5
Vital Diagnostic	43	39 - 47	P 43.3	1.1	12 - 16	C 13.8	0.4	5 - 9	C 6.8	0.4	4 - 8	C 6.3	0.4	24 - 28	P 26.0	1.2	4
Vital Diagnostics Envoy	44	38 - 46	P 42.0	1.0	12 - 16	C 13.5	0.5	4 - 8	C 6.3	0.4	4 - 8	C 5.8	0.4	23 - 27	P 25.0	0.7	4

Initial Grouping by Sensitivity or Principle

Glutamate DH-rate methods	45	39 - 47	P 42.7	1.7	11 - 15	C 13.3	0.7	4 - 8	C 6.2	0.7	4 - 8	C 5.9	0.6	22 - 27	P 24.4	1.1	349
Glutamate DH-endpoint meths	46	40 - 48	P 43.6	1.3	12 - 16	C 13.8	0.9	4 - 8	C 6.4	0.6	4 - 8	C 6.0	0.5	23 - 27	P 25.2	0.9	17
Ammonia (NH3) diffusion	47	35 - 42	P 38.8	0.9	9 - 13	C 11.2	0.5	2 - 6	C 4.3	0.5	3 - 7	C 4.5	0.5	19 - 23	C 21.1	0.7	51
Hypochlorite (ClO)-based	48	24 - 29	P 26.2	1.9	13 - 17	C 14.7	1.0	8 - 12	C 10.4	1.3	5 - 9	C 6.9	0.6	20 - 24	C 22.0	1.9	9

Total Population																	
Whole Population	49	38 - 46	P 41.8	3.5	11 - 15	C 13.1	1.1	4 - 8	C 6.2	2.9	4 - 8	C 5.8	1.1	22 - 26	P 23.9	1.8	428

Uric Acid

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	9.9 - 14.0	P 11.96	0.08	3.3 - 4.7	P 4.0	0.05	1.4 - 1.9	P 1.63	0.04	1.7 - 2.3	P 2.0	0.0	5.8 - 8.2	P 6.99	0.06	19
Alfa Wassermann & Alfa Wasser Axel/Alera	2	9.1 - 12.9	P 11.01	0.67	3.4 - 4.8	P 4.08	0.14	1.9 - 2.7	P 2.34	0.05	2.0 - 2.9	P 2.44	0.05	5.4 - 7.5	P 6.45	0.3	14
Beckman Coulter & Beck Coulter Unicel DXC	3	8.7 - 12.2	P 10.43	0.1	2.9 - 4.1	P 3.52	0.04	1.2 - 1.8	P 1.5	0.0	1.4 - 2.0	P 1.7	0.02	5.1 - 7.2	P 6.17	0.08	21
Beckman Coulter & Beck Olym AU 400/600/5400	4	9.3 - 13.1	P 11.2	0.47	3.0 - 4.2	P 3.63	0.18	1.4 - 1.9	P 1.63	0.11	1.5 - 2.0	P 1.75	0.09	5.4 - 7.5	P 6.45	0.3	4
Beckman Coulter & Beckman AU 480	5	9.3 - 13.0	P 11.15	0.56	3.0 - 4.2	P 3.6	0.12	1.3 - 1.9	P 1.6	0.07	1.4 - 2.0	P 1.68	0.04	5.4 - 7.6	P 6.48	0.28	4
Beckman Olympus & Beck Olym AU 400/600/5400	6	9.3 - 13.2	P 11.25	0.29	3.0 - 4.3	P 3.67	0.13	1.4 - 1.9	P 1.63	0.08	1.5 - 2.1	P 1.76	0.1	5.4 - 7.6	P 6.49	0.16	26
Beckman Olympus & Beck Olympus AU 2700	7	9.4 - 13.3	P 11.38	0.13	3.1 - 4.3	P 3.68	0.04	1.3 - 1.9	P 1.6	0.07	1.5 - 2.0	P 1.75	0.05	5.4 - 7.7	P 6.55	0.17	4
Beckman Olympus & Beckman AU 480	8	9.3 - 13.2	P 11.25	0.23	3.0 - 4.2	P 3.63	0.07	1.4 - 1.9	P 1.63	0.04	1.5 - 2.0	P 1.75	0.05	5.4 - 7.6	P 6.52	0.13	12
Carolina & Beck Olym AU 400/600/5400	9	9.0 - 12.7	P 10.84	0.5	3.0 - 4.2	P 3.58	0.07	1.4 - 2.0	P 1.68	0.07	1.4 - 2.0	P 1.72	0.04	5.2 - 7.3	P 6.28	0.04	5
Carolina & Beckman Synchron CX3/7/9/L	10	8.4 - 11.9	P 10.17	0.15	2.8 - 4.0	P 3.4	0.06	1.2 - 1.7	P 1.45	0.05	1.3 - 1.9	P 1.6	0.06	5.1 - 7.2	P 6.15	0.17	6
Horiba ABX & Horiba ABX 400	11	9.1 - 12.8	P 10.94	0.14	2.9 - 4.1	P 3.5	0.06	1.2 - 1.7	P 1.46	0.08	1.4 - 1.9	P 1.64	0.05	5.2 - 7.4	P 6.32	0.07	5
Ortho Vitros & Ortho Vitros 3600, 5600	12	9.4 - 13.2	P 11.29	0.12	3.0 - 4.2	P 3.62	0.08	1.3 - 1.8	P 1.55	0.07	1.4 - 2.0	P 1.67	0.12	5.4 - 7.6	P 6.48	0.08	9
Ortho Vitros & Ortho Vitros 5,1 FS	13	9.2 - 13.0	P 11.11	0.16	3.0 - 4.2	P 3.61	0.08	1.4 - 1.9	P 1.66	0.17	1.4 - 2.0	P 1.7	0.14	5.3 - 7.5	P 6.44	0.14	7
Ortho Vitros & Ortho Vitros not DT or ECi	14	9.3 - 13.1	P 11.17	0.2	3.0 - 4.2	P 3.56	0.09	1.3 - 1.8	P 1.51	0.08	1.3 - 1.9	P 1.61	0.07	5.3 - 7.5	P 6.44	0.13	19
Roche Cobas & Roche Cobas 6000	15	9.2 - 13.0	P 11.07	0.27	3.0 - 4.2	P 3.6	0.08	1.3 - 1.8	P 1.54	0.05	1.4 - 1.9	P 1.63	0.07	5.3 - 7.5	P 6.44	0.14	7
Roche Cobas & Roche Cobas Integra	16	9.0 - 12.7	P 10.84	0.32	2.9 - 4.1	P 3.53	0.1	1.2 - 1.8	P 1.5	0.05	1.4 - 1.9	P 1.66	0.05	5.3 - 7.4	P 6.35	0.16	16
Roche Cobas & Roche e/c, 1XX, X000, Elec series	17	9.1 - 12.8	P 10.93	0.34	3.0 - 4.2	P 3.57	0.12	1.3 - 1.8	P 1.52	0.06	1.4 - 1.9	P 1.64	0.06	5.3 - 7.5	P 6.39	0.21	21
SDI Biomed & SDI CA-240, 480	18	9.0 - 12.7	P 10.84	0.22	3.2 - 4.5	P 3.82	0.09	1.6 - 2.2	P 1.88	0.1	1.5 - 2.1	P 1.83	0.12	5.6 - 7.9	P 6.79	0.09	10
Sekisui & Beck Olym AU 400/600/5400	19	9.9 - 13.9	P 11.88	0.29	3.3 - 4.7	P 4.03	0.04	1.6 - 2.2	P 1.9	0.07	1.7 - 2.5	P 2.1	0.14	5.7 - 8.0	P 6.88	0.13	4
Siemens Advia & Siemens Advia	20	9.3 - 13.1	P 11.19	0.15	3.0 - 4.2	P 3.56	0.09	1.3 - 1.9	P 1.6	0.05	1.4 - 2.0	P 1.69	0.03	5.3 - 7.5	P 6.41	0.12	7
Siemens Dimension & Siemens Dim Rxl, Rxl Max	21	8.9 - 12.6	P 10.76	0.23	2.9 - 4.1	P 3.49	0.08	1.2 - 1.8	P 1.5	0.07	1.4 - 1.9	P 1.65	0.05	5.2 - 7.3	P 6.24	0.09	8
Siemens Dimension & Siemens Dimension EXL	22	8.9 - 12.5	P 10.7	0.42	2.9 - 4.0	P 3.45	0.09	1.2 - 1.7	P 1.49	0.08	1.4 - 1.9	P 1.64	0.08	5.1 - 7.2	P 6.15	0.14	51
Siemens Dimension & Siemens Dimension Xpand	23	8.7 - 12.3	P 10.51	0.36	2.9 - 4.0	P 3.45	0.11	1.3 - 1.8	P 1.52	0.13	1.4 - 1.9	P 1.66	0.1	5.1 - 7.3	P 6.2	0.2	28
Sterling Diagnostic & Pointe Sci 180/Sterl 2000	24	7.6 - 10.6	P 9.1	0.29	3.0 - 4.2	P 3.6	0.07	1.2 - 1.8	P 1.5	0.12	1.5 - 2.1	P 1.78	0.11	5.1 - 7.1	P 6.1	0.07	4
Initial Grouping by Reagent																	
Abbott Architect	25	9.9 - 14.0	P 11.96	0.08	3.3 - 4.7	P 4.0	0.05	1.4 - 1.9	P 1.63	0.04	1.7 - 2.3	P 2.0	0.0	5.8 - 8.2	P 6.99	0.06	19
Alfa Wassermann	26	9.1 - 12.9	P 10.99	0.65	3.4 - 4.8	P 4.08	0.13	1.9 - 2.7	P 2.34	0.05	2.0 - 2.9	P 2.44	0.05	5.4 - 7.5	P 6.45	0.29	15
Beckman Coulter	27	8.8 - 12.4	P 10.63	0.44	2.9 - 4.2	P 3.55	0.1	1.3 - 1.8	P 1.53	0.07	1.4 - 2.0	P 1.71	0.05	5.2 - 7.3	P 6.25	0.21	30
Beckman Olympus	28	9.3 - 13.2	P 11.26	0.27	3.0 - 4.3	P 3.66	0.11	1.4 - 1.9	P 1.63	0.07	1.5 - 2.0	P 1.75	0.09	5.4 - 7.6	P 6.5	0.15	43
Carolina	29	8.6 - 12.1	P 10.37	0.44	2.9 - 4.0	P 3.45	0.12	1.3 - 1.8	P 1.54	0.12	1.4 - 1.9	P 1.64	0.08	5.1 - 7.2	P 6.14	0.18	17
Horiba ABX	30	9.1 - 12.8	P 10.94	0.14	2.9 - 4.1	P 3.5	0.06	1.2 - 1.7	P 1.46	0.08	1.4 - 1.9	P 1.64	0.05	5.2 - 7.4	P 6.32	0.07	5
Ortho Vitros	31	9.3 - 13.1	P 11.18	0.19	3.0 - 4.2	P 3.59	0.09	1.3 - 1.8	P 1.55	0.12	1.4 - 1.9	P 1.64	0.11	5.4 - 7.5	P 6.45	0.12	36
Pointe Scientific	32	9.3 - 13.0	P 11.15	0.66	3.2 - 4.4	P 3.8	0.32	1.5 - 2.1	P 1.78	0.29	1.5 - 2.2	P 1.86	0.22	5.6 - 7.9	P 6.71	0.43	8
Roche Cobas	33	9.1 - 12.8	P 10.92	0.33	3.0 - 4.2	P 3.56	0.11	1.3 - 1.8	P 1.52	0.06	1.4 - 1.9	P 1.64	0.06	5.3 - 7.5	P 6.38	0.19	44
SDI Biomed	34	9.0 - 12.7	P 10.84	0.22	3.2 - 4.5	P 3.82	0.09	1.6 - 2.2	P 1.88	0.1	1.5 - 2.1	P 1.83	0.12	5.6 - 7.9	P 6.79	0.09	10
Sekisui	35	10.3 - 14.5	P 12.36	0.63	3.2 - 4.6	P 3.9	0.18	1.7 - 2.3	P 1.99	0.18	1.8 - 2.5	P 2.12	0.33	5.8 - 8.1	P 6.95	0.15	7
Siemens Advia	36	9.3 - 13.1	P 11.19	0.15	3.0 - 4.2	P 3.56	0.09	1.3 - 1.9	P 1.6	0.05	1.4 - 2.0	P 1.69	0.03	5.3 - 7.5	P 6.41	0.12	7
Siemens Dimension	37	8.8 - 12.5	P 10.65	0.39	2.9 - 4.0	P 3.46	0.09	1.2 - 1.8	P 1.5	0.1	1.4 - 1.9	P 1.65	0.09	5.1 - 7.2	P 6.17	0.16	89
Sterling Diagnostic	38	7.6 - 10.7	P 9.15	0.5	2.9 - 4.2	P 3.55	0.1	1.2 - 1.7	P 1.48	0.11	1.5 - 2.1	P 1.78	0.15	5.0 - 7.0	P 6.02	0.16	6
Initial Grouping by Sensitivity or Principle																	
Endpt-corrected(bic or SB)	39	9.4 - 13.2	P 11.31	0.46	3.1 - 4.4	P 3.73	0.21	1.3 - 1.9	P 1.62	0.19	1.5 - 2.1	P 1.79	0.23	5.4 - 7.7	P 6.56	0.26	122
Rate	40	8.9 - 12.5	P 10.69	0.43	2.9 - 4.1	P 3.5	0.12	1.3 - 1.8	P 1.51	0.09	1.4 - 1.9	P 1.66	0.08	5.2 - 7.3	P 6.24	0.2	181
Endpoint-uncorrected	41	9.2 - 12.9	P 11.03	1.02	3.1 - 4.4	P 3.74	0.23	1.5 - 2.1	P 1.77	0.25	1.5 - 2.2	P 1.85	0.23	5.5 - 7.7	P 6.62	0.38	42
Total Population																	
Whole Population	42	9.1 - 12.8	P 10.93	0.87	3.0 - 4.2	P 3.62	0.23	1.3 - 1.9	P 1.62	0.26	1.5 - 2.1	P 1.76	0.25	5.3 - 7.5	P 6.4	0.32	345