



Comprehensive 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		
Alpha-fetoprotein																						
Initial Grouping by Reagent																						
Siemens Immulite	1	116.5 - 191.5	S	154.02	12.50	127.8 - 207.5	S	167.69	13.28	202.4 - 360.4	S	281.38	26.33	27.4 - 44.5	S	35.94	2.85	144.0 - 258.4	S	201.22	19.07	13
Initial Grouping by Sensitivity or Principle																						
All Siemens Methods	2	118.0 - 194.2	S	156.13	12.69	130.9 - 206.0	S	168.49	12.51	208.9 - 357.2	S	283.06	24.73	27.7 - 45.0	S	36.38	2.88	147.3 - 260.5	S	203.93	18.87	15
Total Population																						
Whole Population	3	115.3 - 198.6	S	156.94	13.88	126.1 - 213.6	S	169.85	14.58	202.8 - 368.8	S	285.76	27.66	26.3 - 46.9	S	36.64	3.43	137.2 - 270.9	S	204.08	22.28	26

Amylase**Initial Grouping by Reagent and Instrument**

Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	266.0 - 494.0	P	379.8	9.2	108.0 - 200.0	P	153.7	3.7	218.0 - 404.0	P	311.0	7.4	157.0 - 291.0	P	223.7	4.1	196.0 - 363.0	P	279.3	8.1	18
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	263.0 - 489.0	P	376.3	14.4	102.0 - 190.0	P	146.2	8.2	215.0 - 400.0	P	307.5	18.1	151.0 - 281.0	P	215.8	10.8	196.0 - 364.0	P	279.9	14.9	15
Beckman AMY & Beckman Unicel DXC series	3	119.0 - 221.0	P	170.3	5.0	65.0 - 120.0	P	92.5	15.5	107.0 - 198.0	P	152.6	5.9	74.0 - 137.0	P	105.2	5.5	96.0 - 178.0	P	136.6	6.7	22
Carolina & Beckman Synchron CX3/7/9/L	4	411.0 - 763.0	P	587.1	13.8	167.0 - 311.0	P	239.2	12.4	337.0 - 626.0	P	481.8	16.6	244.0 - 454.0	P	349.2	8.9	306.0 - 569.0	P	437.5	15.6	12
J&J Vitros & J&J Vitros not DT or ECi	5	94.0 - 175.0	P	134.3	6.8	38.0 - 71.0	P	54.3	3.0	74.0 - 137.0	P	105.2	5.7	55.0 - 102.0	P	78.8	4.0	69.0 - 128.0	P	98.3	5.4	50
J&J Vitros & J&J Vitros 5,1 FS	6	95.0 - 177.0	P	135.9	7.2	39.0 - 72.0	P	55.7	2.8	77.0 - 143.0	P	110.3	6.8	55.0 - 101.0	P	78.1	4.9	70.0 - 129.0	P	99.6	5.5	18
Beckman Olympus & Beckm Olym AU 400/600/5400	7	206.0 - 383.0	P	294.9	11.9	80.0 - 148.0	P	114.1	4.8	166.0 - 309.0	P	237.3	10.4	120.0 - 224.0	P	172.1	7.2	151.0 - 280.0	P	215.2	9.6	43
Roche Cobas alpha-amylase & Roche Cobas Integra	8	221.0 - 411.0	P	316.2	4.9	91.0 - 168.0	P	129.6	2.4	183.0 - 341.0	P	262.0	4.9	129.0 - 239.0	P	183.7	2.8	165.0 - 306.0	P	235.5	4.0	18
Siemens & Siemens Advia series	9	228.0 - 424.0	P	326.1	11.4	91.0 - 169.0	P	130.1	4.7	188.0 - 349.0	P	268.2	8.5	131.0 - 243.0	P	187.2	6.9	169.0 - 314.0	P	241.9	9.0	10
Siemens Dimension & Siemens Dimension Rxl	10	285.0 - 529.0	P	406.6	10.4	108.0 - 201.0	P	154.9	3.9	228.0 - 423.0	P	325.6	8.1	166.0 - 309.0	P	237.8	6.6	205.0 - 381.0	P	292.9	10.6	17
Siemens Dimension & Siemens Dimension EXL	11	287.0 - 532.0	P	409.4	5.9	109.0 - 203.0	P	156.3	2.2	228.0 - 424.0	P	326.0	4.4	168.0 - 312.0	P	239.8	4.7	207.0 - 384.0	P	295.3	6.0	23

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Siemens Dimension & Siemens Dimension ser	12	288.0 - 535.0	P 411.2	8.7		110.0 - 204.0	P 157.1	3.0		229.0 - 426.0	P 327.5	6.8		168.0 - 312.0	P 240.0	5.4		207.0 - 384.0	P 295.3	6.0	43	
Siemens Dimension & Siemens Dimension Xpand	13	288.0 - 534.0	P 411.0	8.6		110.0 - 204.0	P 156.9	3.3		230.0 - 426.0	P 327.9	6.8		168.0 - 312.0	P 239.6	6.0		208.0 - 386.0	P 296.7	7.0	66	
Beckman AMY7 & Beckman Unicel DXC series	14	239.0 - 445.0	P 342.1	9.3		95.0 - 177.0	P 135.8	4.3		196.0 - 364.0	P 279.7	9.5		138.0 - 257.0	P 197.3	6.7		176.0 - 328.0	P 252.1	8.8	29	
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	15	266.0 - 494.0	P 379.8	9.2		108.0 - 200.0	P 153.7	3.7		218.0 - 404.0	P 311.0	7.4		157.0 - 291.0	P 223.7	4.1		196.0 - 363.0	P 279.3	8.1	18	
Alfa Wassermann	16	263.0 - 489.0	P 376.3	14.4		102.0 - 190.0	P 146.2	8.2		215.0 - 400.0	P 307.5	18.1		151.0 - 281.0	P 215.8	10.8		196.0 - 364.0	P 279.9	14.9	15	
Beckman AMY	17	118.0 - 218.0	P 168.0	7.5		62.0 - 115.0	P 88.8	13.9		105.0 - 196.0	P 150.6	7.5		73.0 - 135.0	P 103.7	7.0		94.0 - 175.0	P 134.4	7.8	33	
Carolina	18	411.0 - 763.0	P 587.0	16.9		168.0 - 311.0	P 239.4	11.3		338.0 - 628.0	P 483.1	16.5		243.0 - 451.0	P 347.2	9.2		307.0 - 569.0	P 438.1	15.2	16	
DCL/Genzyme	19	240.0 - 445.0	P 342.5	24.5		95.0 - 176.0	P 135.1	10.6		196.0 - 364.0	P 280.3	19.1		139.0 - 258.0	P 198.3	14.8		179.0 - 333.0	P 255.9	20.7	11	
J&J Vitros	20	94.0 - 175.0	P 135.0	6.9		38.0 - 71.0	P 54.5	3.2		75.0 - 140.0	P 107.6	7.2		55.0 - 102.0	P 78.4	4.2		69.0 - 129.0	P 98.9	5.7	79	
Beckman Olympus	21	207.0 - 385.0	P 296.4	11.9		80.0 - 149.0	P 114.5	4.7		167.0 - 309.0	P 237.9	10.4		121.0 - 225.0	P 172.7	7.1		151.0 - 281.0	P 216.1	9.3	51	
Roche Cobas alpha-amylase	22	222.0 - 413.0	P 317.6	5.8		91.0 - 169.0	P 130.1	2.9		184.0 - 343.0	P 263.5	5.2		128.0 - 239.0	P 183.6	3.1		166.0 - 308.0	P 236.8	4.5	32	
Roche/Hitachi alpha-amylase	23	216.0 - 401.0	P 308.8	6.7		88.0 - 164.0	P 126.1	3.2		181.0 - 336.0	P 258.4	6.1		125.0 - 233.0	P 179.0	4.4		163.0 - 302.0	P 232.2	4.6	11	
Siemens	24	228.0 - 424.0	P 326.1	11.4		91.0 - 169.0	P 130.1	4.7		188.0 - 349.0	P 268.2	8.5		131.0 - 243.0	P 187.2	6.9		169.0 - 314.0	P 241.9	9.0	10	
Siemens Dimension	25	287.0 - 533.0	P 410.3	8.5		110.0 - 204.0	P 156.6	3.2		229.0 - 425.0	P 327.2	6.6		168.0 - 311.0	P 239.5	5.7		207.0 - 384.0	P 295.6	7.1	149	
Beckman AMY7	26	240.0 - 446.0	P 343.0	8.9		95.0 - 177.0	P 136.1	3.9		196.0 - 365.0	P 280.5	8.9		138.0 - 257.0	P 197.8	6.2		177.0 - 328.0	P 252.7	8.3	35	
Initial Grouping by Sensitivity or Principle																						
Extremely low recovery meth	27	135.0 - 251.0	P 193.1	86.6		57.0 - 106.0	P 81.5	34.1		112.0 - 207.0	P 159.6	72.1		80.0 - 148.0	P 113.8	49.9		101.0 - 188.0	P 144.9	64.1	150	
Low moderate recovery meth	28	211.0 - 393.0	P 302.1	17.3		82.0 - 153.0	P 117.4	8.1		171.0 - 317.0	P 243.6	16.2		123.0 - 228.0	P 175.5	9.5		155.0 - 287.0	P 221.0	14.3	62	
Moderate recovery methods	29	231.0 - 429.0	P 329.9	31.3		91.0 - 170.0	P 130.7	12.9		189.0 - 350.0	P 269.5	28.2		133.0 - 247.0	P 190.0	20.5		172.0 - 319.0	P 245.6	25.5	41	
High moderate recovery meth	30	292.0 - 543.0	P 417.5	52.0		113.0 - 210.0	P 161.7	23.4		235.0 - 436.0	P 335.6	44.4		171.0 - 317.0	P 243.7	31.9		212.0 - 395.0	P 303.5	40.8	211	
All other methods	31	222.0 - 413.0	P 317.6	5.8		91.0 - 169.0	P 130.1	2.9		184.0 - 343.0	P 263.5	5.2		128.0 - 239.0	P 183.6	3.1		166.0 - 308.0	P 236.8	4.5	32	
Total Population																						
Whole Population	32	254.0 - 471.0	P 362.3	49.1		97.0 - 181.0	P 139.0	20.1		205.0 - 381.0	P 293.1	38.0		147.0 - 274.0	P 210.4	29.0		185.0 - 344.0	P 264.6	34.2	513	

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		
Cortisol																						
Initial Grouping by Reagent and Instrument																						
Beckman Access luminometric & Beckman Access luminometer	1	11.0 - 18.0	P 14.4	0.8	11.0 - 18.0	P 14.6	1.3		16.0 - 26.0	P 21.1	1.5		6.0 - 9.0	P 7.4	0.5		13.0 - 21.0	P 16.9	1.0	10		
Siemens Immulite & Siemens Immulite 2000	2	11.0 - 18.0	P 14.1	1.0	11.0 - 18.0	P 14.6	1.0		16.0 - 27.0	P 21.2	1.6		6.0 - 9.0	P 7.5	0.8		13.0 - 21.0	P 16.8	1.1	18		
Initial Grouping by Reagent																						
Beckman Access luminometric	3	11.0 - 18.0	P 14.5	0.9	11.0 - 18.0	P 14.5	1.1		16.0 - 26.0	P 21.2	1.3		6.0 - 9.0	P 7.5	0.5		13.0 - 21.0	P 16.8	0.9	13		
Roche Elecsys	4	10.0 - 16.0	P 13.1	1.1	10.0 - 17.0	P 13.8	1.0		15.0 - 26.0	P 20.5	1.4		4.0 - 8.0	P 6.0	0.5		12.0 - 20.0	P 16.2	0.9	10		
Siemens Immulite	5	11.0 - 18.0	P 14.5	1.3	11.0 - 18.0	P 14.8	1.0		16.0 - 27.0	P 21.4	1.6		6.0 - 9.0	P 7.5	0.7		13.0 - 21.0	P 17.1	1.1	30		
Initial Grouping by Sensitivity or Principle																						
Luminometric	6	11.0 - 18.0	P 14.3	1.3	11.0 - 18.0	P 14.6	1.1		16.0 - 26.0	P 21.2	1.5		5.0 - 9.0	P 7.2	0.8		13.0 - 21.0	P 16.9	1.1	58		
Radiometric	7	10.0 - 18.0	P 14.0	1.7	11.0 - 18.0	P 14.5	2.2		16.0 - 26.0	P 21.2	1.7		6.0 - 9.0	P 7.5	1.1		12.0 - 20.0	P 16.2	1.2	11		
Total Population																						
Whole Population	8	11.0 - 18.0	P 14.2	1.4	11.0 - 18.0	P 14.5	1.3		16.0 - 26.0	P 21.0	1.8		5.0 - 9.0	P 7.2	0.8		13.0 - 21.0	P 16.8	1.3	82		
Creatine Kinase, Total (CK or CPK)																						
Initial Grouping by Reagent and Instrument																						
Abbott & Abbott Architect c, ci, i	1	176.0 - 327.0	P 251.6	10.1	231.0 - 430.0	P 330.7	12.9		356.0 - 662.0	P 509.2	19.2		59.0 - 109.0	P 83.9	3.2		253.0 - 471.0	P 362.1	14.7	19		
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	156.0 - 290.0	P 223.0	11.9	205.0 - 381.0	P 292.8	11.9		314.0 - 583.0	P 448.2	17.7		56.0 - 103.0	P 79.4	5.3		229.0 - 425.0	P 326.6	15.2	15		
Beckman & Beckman Unicel DXC series	3	181.0 - 336.0	P 258.6	9.7	240.0 - 446.0	P 343.0	11.7		363.0 - 675.0	P 519.2	17.2		63.0 - 116.0	P 89.4	3.9		263.0 - 488.0	P 375.3	13.0	59		
Carolina & Beckman Synchron CX3/7/9/L	4	141.0 - 262.0	P 201.5	16.9	189.0 - 351.0	P 269.7	22.9		289.0 - 538.0	P 413.5	32.9		48.0 - 89.0	P 68.3	7.0		208.0 - 387.0	P 297.6	25.9	15		
J&J Vitros & J&J Vitros not DT or ECi	5	136.0 - 253.0	P 194.5	15.8	164.0 - 304.0	P 234.0	21.9		253.0 - 469.0	P 361.0	26.3		46.0 - 85.0	P 65.2	5.9		187.0 - 347.0	P 267.1	20.1	46		
J&J Vitros & J&J Vitros 5,1 FS	6	136.0 - 252.0	P 194.0	9.9	167.0 - 309.0	P 237.9	15.7		253.0 - 471.0	P 362.0	21.6		46.0 - 86.0	P 66.0	4.0		186.0 - 346.0	P 266.2	13.6	17		
Beckman Olympus & Beckm Olym AU 400/600/5400	7	154.0 - 286.0	P 220.2	10.1	204.0 - 378.0	P 290.8	11.4		311.0 - 577.0	P 443.7	17.0		51.0 - 95.0	P 73.4	3.6		223.0 - 415.0	P 318.9	14.4	46		
Roche Cobas & Roche Cobas 6000	8	174.0 - 323.0	P 248.6	7.9	231.0 - 428.0	P 329.5	6.2		357.0 - 662.0	P 509.4	6.2		59.0 - 109.0	P 83.8	2.3		252.0 - 468.0	P 360.2	8.6	10		
Roche Cobas & Roche Cobas Integra	9	163.0 - 304.0	P 233.6	7.4	216.0 - 401.0	P 308.2	8.6		328.0 - 610.0	P 469.2	12.7		55.0 - 103.0	P 79.0	3.6		236.0 - 438.0	P 336.9	9.9	16		
Siemens Dimension, Dim Flex & Siemens Dimension EXL	10	165.0 - 306.0	P 235.6	6.6	217.0 - 403.0	P 309.7	7.0		333.0 - 618.0	P 475.3	10.2		54.0 - 101.0	P 77.3	2.4		236.0 - 439.0	P 337.7	10.1	19		
Siemens Dimension, Dim Flex & Siemens Dimension ser	11	163.0 - 303.0	P 232.9	8.8	215.0 - 399.0	P 307.2	10.1		331.0 - 615.0	P 473.3	14.3		52.0 - 97.0	P 74.5	5.6		237.0 - 441.0	P 339.1	10.5	29		
Siemens Dimension, Dim Flex & Siemens Dimension Xpand	12	164.0 - 305.0	P 234.8	8.2	216.0 - 402.0	P 309.2	9.1		334.0 - 620.0	P 476.6	12.2		53.0 - 98.0	P 75.1	5.3		238.0 - 443.0	P 340.7	10.4	49		
Siemens Dim Flex CKI, IFCC &		164.0 -			215.0 -				329.0 -				55.0 -				236.0 -					

Name	Line No.	Specimen 1				Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD		
Siemens Dimension Rxl	13	305.0	P 234.3	7.2	400.0	P 307.6	9.2	612.0	P 470.6	14.9	101.0	P 78.0	4.2	438.0	P 336.9	11.7	10	
Siemens Dim Flex CKI, IFCC & Siemens Dimension ser	14	166.0 - 309.0	P 237.8	4.4	219.0 - 407.0	P 313.2	5.0	334.0 - 621.0	P 477.8	8.0	55.0 - 102.0	P 78.5	2.4	239.0 - 444.0	P 341.6	6.0	13	
Siemens Dim Flex CKI, IFCC & Siemens Dimension Xpand	15	169.0 - 313.0	P 241.0	5.6	221.0 - 411.0	P 316.1	8.9	338.0 - 628.0	P 483.2	11.1	55.0 - 103.0	P 79.3	2.9	243.0 - 451.0	P 347.1	9.4	23	
Initial Grouping by Reagent																		
Abbott	16	176.0 - 327.0	P 251.6	10.1	231.0 - 430.0	P 330.7	12.9	356.0 - 662.0	P 509.2	19.2	59.0 - 109.0	P 83.9	3.2	253.0 - 471.0	P 362.1	14.7	19	
Alfa Wassermann	17	156.0 - 290.0	P 223.0	11.9	205.0 - 381.0	P 292.8	11.9	314.0 - 583.0	P 448.2	17.7	56.0 - 103.0	P 79.4	5.3	229.0 - 425.0	P 326.6	15.2	15	
Beckman	18	180.0 - 334.0	P 256.9	10.0	238.0 - 442.0	P 340.0	12.7	360.0 - 669.0	P 514.6	19.4	62.0 - 115.0	P 88.4	4.0	260.0 - 483.0	P 371.2	15.3	77	
Carolina	19	144.0 - 267.0	P 205.1	25.5	191.0 - 354.0	P 272.5	32.3	292.0 - 541.0	P 416.5	48.9	48.0 - 90.0	P 69.1	8.9	210.0 - 390.0	P 300.0	35.4	21	
J&J Vitros	20	136.0 - 253.0	P 194.7	14.1	164.0 - 305.0	P 234.6	20.6	253.0 - 470.0	P 361.4	24.1	46.0 - 85.0	P 65.5	5.4	187.0 - 347.0	P 267.1	17.8	74	
Beckman Olympus	21	154.0 - 286.0	P 220.1	10.3	204.0 - 378.0	P 290.8	11.6	310.0 - 576.0	P 443.0	17.9	51.0 - 95.0	P 73.4	3.9	223.0 - 414.0	P 318.6	14.5	54	
Pointe Sci	22	147.0 - 272.0	P 209.6	19.1	193.0 - 358.0	P 275.2	27.5	294.0 - 547.0	P 420.5	43.6	51.0 - 94.0	P 72.3	10.2	212.0 - 393.0	P 302.6	33.1	12	
Roche Cobas	23	167.0 - 309.0	P 238.1	12.4	220.0 - 409.0	P 314.6	16.7	337.0 - 625.0	P 481.0	26.0	56.0 - 105.0	P 80.6	4.0	241.0 - 447.0	P 343.9	17.8	31	
Siemens Dimension, Dim Flex	24	164.0 - 305.0	P 234.8	8.0	216.0 - 402.0	P 309.3	9.0	333.0 - 619.0	P 476.0	12.5	53.0 - 98.0	P 75.5	4.9	238.0 - 442.0	P 340.0	10.2	104	
Siemens Dim Flex CKI, IFCC	25	167.0 - 310.0	P 238.4	6.1	219.0 - 407.0	P 313.2	8.3	335.0 - 622.0	P 478.6	12.0	55.0 - 102.0	P 78.6	3.0	240.0 - 446.0	P 343.0	9.6	51	
Initial Grouping by Sensitivity or Principle																		
Low recovery methods	26	137.0 - 254.0	P 195.7	16.2	165.0 - 307.0	P 236.2	24.5	255.0 - 473.0	P 363.6	30.4	46.0 - 86.0	P 65.9	6.0	188.0 - 349.0	P 268.7	22.3	75	
Low moderate recovery meths	27	152.0 - 282.0	P 216.5	17.4	200.0 - 372.0	P 286.2	22.2	306.0 - 568.0	P 437.1	34.1	51.0 - 94.0	P 72.6	6.4	220.0 - 409.0	P 314.6	25.4	98	
Moderate recovery methods	28	163.0 - 303.0	P 232.7	14.3	216.0 - 401.0	P 308.7	19.3	328.0 - 610.0	P 469.2	32.3	56.0 - 103.0	P 79.5	7.1	236.0 - 438.0	P 336.8	23.0	61	
High moderate recovery meth	29	156.0 - 290.0	P 223.0	11.9	205.0 - 381.0	P 292.8	11.9	314.0 - 583.0	P 448.2	17.7	56.0 - 103.0	P 79.4	5.3	229.0 - 425.0	P 326.6	15.2	15	
High recovery methods	30	165.0 - 306.0	P 235.3	9.1	217.0 - 403.0	P 309.7	11.8	333.0 - 618.0	P 475.5	17.1	53.0 - 99.0	P 76.4	4.7	238.0 - 442.0	P 339.9	12.8	169	
Very high recovery methods	31	175.0 - 325.0	P 249.9	16.7	231.0 - 430.0	P 330.6	21.0	352.0 - 653.0	P 502.5	31.6	60.0 - 111.0	P 85.1	6.6	253.0 - 469.0	P 361.1	23.7	118	
Total Population																		
Whole Population	32	160.0 - 298.0	P 228.9	22.2	210.0 - 390.0	P 299.7	33.8	320.0 - 595.0	P 457.9	51.0	54.0 - 99.0	P 76.5	8.4	231.0 - 428.0	P 329.5	35.0	545	

Gamma-Glutamyltransferase (GGT)

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD			
Initial Grouping by Reagent and Instrument																						
Abbott & Abbott Architect c, ci, i	1	124.0 - 187.0	P	155.4	7.7	48.0 - 72.0	P	60.2	3.4	109.0 - 163.0	P	136.0	6.4	65.0 - 97.0	P	80.8	3.3	94.0 - 142.0	P	118.0	5.8	12
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	87.0 - 130.0	P	108.6	3.7	35.0 - 55.0	C	44.7	3.0	76.0 - 114.0	P	95.3	4.0	46.0 - 70.0	P	57.9	3.6	66.0 - 99.0	P	82.4	4.2	17
Beckman & Beckman Unicel DXC series	3	128.0 - 192.0	P	160.3	5.7	50.0 - 74.0	P	62.0	2.2	111.0 - 166.0	P	138.6	5.6	68.0 - 102.0	P	84.9	3.2	97.0 - 145.0	P	121.1	3.8	42
Carolina & Beckman Synchron CX3/7/9/L	4	83.0 - 125.0	P	104.2	4.8	32.0 - 52.0	C	41.7	1.9	73.0 - 110.0	P	91.5	4.1	45.0 - 68.0	P	56.5	2.7	64.0 - 95.0	P	79.5	4.2	14
J&J Vitros & J&J Vitros not DT or ECi	5	169.0 - 254.0	P	211.6	6.8	64.0 - 96.0	P	80.0	2.6	144.0 - 216.0	P	180.1	5.2	90.0 - 135.0	P	112.9	3.8	128.0 - 191.0	P	159.5	4.7	28
J&J Vitros & J&J Vitros 5,1 FS	6	169.0 - 253.0	P	210.8	4.9	68.0 - 102.0	P	84.8	1.8	144.0 - 216.0	P	180.1	3.6	92.0 - 138.0	P	115.3	2.5	128.0 - 192.0	P	159.8	3.2	12
Beckman Olympus & Beckm Olym AU 400/600/5400	7	97.0 - 145.0	P	121.1	6.8	37.0 - 57.0	C	47.3	2.5	84.0 - 126.0	P	104.9	6.2	51.0 - 76.0	P	63.7	4.0	72.0 - 109.0	P	90.4	4.4	31
Siemens & Siemens Advia series	8	114.0 - 171.0	P	142.7	5.4	44.0 - 66.0	P	55.1	2.3	99.0 - 149.0	P	123.9	4.2	59.0 - 89.0	P	73.9	2.9	86.0 - 129.0	P	107.1	3.5	10
Siemens Dimension & Siemens Dimension Rxl	9	141.0 - 211.0	P	175.7	3.8	58.0 - 87.0	P	72.5	2.7	124.0 - 186.0	P	155.0	3.3	75.0 - 113.0	P	94.3	2.7	108.0 - 162.0	P	135.4	3.6	11
Siemens Dimension & Siemens Dimension EXL	10	142.0 - 214.0	P	177.9	3.1	59.0 - 88.0	P	73.7	1.3	125.0 - 187.0	P	155.9	1.9	76.0 - 114.0	P	95.4	1.4	109.0 - 164.0	P	136.8	2.1	15
Siemens Dimension & Siemens Dimension ser	11	142.0 - 213.0	P	177.4	5.0	58.0 - 87.0	P	72.6	3.1	125.0 - 187.0	P	156.0	4.2	75.0 - 113.0	P	94.3	3.3	109.0 - 163.0	P	135.6	3.8	22
Siemens Dimension & Siemens Dimension Xpand	12	141.0 - 212.0	P	176.9	6.5	59.0 - 88.0	P	73.2	3.6	125.0 - 187.0	P	156.1	6.6	76.0 - 114.0	P	94.6	4.4	109.0 - 163.0	P	136.2	5.1	28
Initial Grouping by Reagent																						
Abbott	13	125.0 - 187.0	P	156.1	7.7	48.0 - 72.0	P	60.3	3.3	109.0 - 164.0	P	136.5	6.4	65.0 - 97.0	P	81.1	3.3	95.0 - 142.0	P	118.3	5.7	13
Alfa Wassermann	14	87.0 - 130.0	P	108.6	3.7	35.0 - 55.0	C	44.7	3.0	76.0 - 114.0	P	95.3	4.0	46.0 - 70.0	P	57.9	3.6	66.0 - 99.0	P	82.4	4.2	17
Beckman	15	127.0 - 191.0	P	159.3	5.7	49.0 - 74.0	P	61.5	2.3	110.0 - 165.0	P	137.6	5.7	67.0 - 101.0	P	84.1	3.4	96.0 - 144.0	P	119.9	4.3	56
Carolina	16	83.0 - 124.0	P	103.2	7.3	31.0 - 51.0	C	41.2	3.1	72.0 - 108.0	P	90.1	6.6	44.0 - 66.0	P	55.3	4.2	63.0 - 94.0	P	78.4	5.9	20
DCL/Genzyme	17	104.0 - 155.0	P	129.4	13.5	40.0 - 60.0	C	49.8	4.8	90.0 - 135.0	P	112.4	11.5	53.0 - 80.0	P	66.4	7.9	78.0 - 117.0	P	97.4	10.6	10
J&J Vitros	18	169.0 - 253.0	P	210.8	6.4	65.0 - 98.0	P	81.7	3.2	144.0 - 216.0	P	179.9	4.7	91.0 - 136.0	P	113.6	3.6	127.0 - 191.0	P	159.3	4.3	47
Beckman Olympus	19	97.0 - 145.0	P	121.0	6.6	37.0 - 57.0	C	47.4	2.6	84.0 - 126.0	P	104.8	6.0	51.0 - 77.0	P	63.9	3.9	73.0 - 109.0	P	90.6	4.5	39
Roche Cobas	20	107.0 - 161.0	P	134.1	4.1	41.0 - 61.0	P	50.8	4.5	92.0 - 139.0	P	115.5	3.6	56.0 - 84.0	P	70.1	1.9	81.0 - 121.0	P	100.8	3.2	20
Siemens	21	114.0 - 171.0	P	142.7	5.4	44.0 - 66.0	P	55.1	2.3	99.0 - 149.0	P	123.9	4.2	59.0 - 89.0	P	73.9	2.9	86.0 - 129.0	P	107.1	3.5	10
Siemens Dimension	22	142.0 - 212.0	P	177.1	5.1	58.0 - 88.0	P	73.0	3.0	125.0 - 187.0	P	155.9	4.8	76.0 - 114.0	P	94.6	3.4	109.0 - 163.0	P	136.0	4.0	76

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meth	23	94.0 - 141.0	P	117.8	11.3	37.0 - 57.0	C	46.8	4.3	82.0 - 124.0	P	102.9	9.3	50.0 - 75.0	P	62.5	6.0	71.0 - 107.0	P	89.0	8.0	73
Moderate recovery methods	24	101.0 - 152.0	P	126.7	16.8	39.0 - 59.0	C	48.9	6.1	87.0 - 131.0	P	109.1	13.2	54.0 - 80.0	P	67.1	13.0	76.0 - 115.0	P	95.4	12.1	81
High moderate recovery meth	25	111.0 - 167.0	P	139.1	11.3	43.0 - 64.0	P	53.2	4.4	96.0 - 144.0	P	119.8	9.2	57.0 - 86.0	P	71.4	5.5	83.0 - 124.0	P	103.6	8.7	18
High recovery methods	26	126.0 - 190.0	P	158.1	7.8	49.0 - 73.0	P	61.1	3.1	110.0 - 164.0	P	136.9	7.2	67.0 - 100.0	P	83.2	4.3	95.0 - 143.0	P	119.3	5.2	70
Very high recovery methods	27	152.0 - 228.0	P	189.9	17.4	61.0 - 92.0	P	76.3	5.2	132.0 - 198.0	P	165.1	12.6	82.0 - 122.0	P	101.9	9.9	116.0 - 174.0	P	144.9	12.1	123
Total Population																						
Whole Population	28	119.0 - 178.0	P	148.2	27.1	47.0 - 71.0	P	59.0	11.7	104.0 - 156.0	P	130.1	24.9	62.0 - 93.0	P	77.1	13.8	90.0 - 134.0	P	111.9	20.6	373

Human Chorionic Gonadotropin (hCG)

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	1202.0 - 1855.0	S	1528.3	108.8	328.0 - 578.0	S	452.9	41.6	1018.0 - 1578.0	S	1298.0	93.2	491.0 - 849.0	S	670.3	59.7	829.0 - 1357.0	S	1093.0	87.9	10
Abbott Total b-hCG & Abbott AxSYM	2	1318.0 - 2675.0	S	1996.5	226.0	452.0 - 629.0	S	540.4	29.5	1040.0 - 2402.0	S	1721.3	227.0	688.0 - 972.0	S	830.1	47.4	1086.0 - 1816.0	S	1451.0	121.6	14
Beckman Access & Beckman Access luminometer	3	1168.0 - 2079.0	S	1623.2	151.8	348.0 - 468.0	S	408.1	19.9	1045.0 - 1794.0	S	1419.7	124.8	510.0 - 720.0	S	614.9	35.1	617.0 - 1442.0	S	1029.5	137.4	56
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	4	1031.0 - 2394.0	S	1712.5	227.1	396.0 - 623.0	S	509.5	38.0	1077.0 - 1828.0	S	1452.7	125.3	552.0 - 1008.0	S	780.0	75.9	999.0 - 1540.0	S	1269.5	90.3	22
J&J Vitros ECi & J&J Vitros ECi	5	1529.0 - 1860.0	S	1694.2	55.2	408.0 - 571.0	S	489.6	27.3	1158.0 - 1601.0	S	1379.2	73.8	640.0 - 869.0	S	754.6	38.1	1038.0 - 1388.0	S	1213.1	58.3	11
Siemens Advia & Siemens Centaur/Centaur CP	6	957.0 - 2023.0	S	1489.9	177.7	410.0 - 526.0	S	467.9	19.5	841.0 - 1797.0	S	1319.1	159.5	624.0 - 763.0	S	693.5	23.3	627.0 - 1631.0	S	1129.1	167.4	18
Siemens Dimension & Siemens Dimension EXL	7	1099.0 - 2050.0	S	1574.6	158.5	366.0 - 493.0	S	429.4	21.1	993.0 - 1743.0	S	1367.9	124.9	563.0 - 788.0	S	675.6	37.5	620.0 - 1581.0	S	1100.6	160.2	15
Siemens Dimension & Siemens Dimension ser	8	1250.0 - 1789.0	S	1519.5	89.9	377.0 - 477.0	S	426.9	16.5	1150.0 - 1471.0	S	1310.3	53.5	589.0 - 735.0	S	662.1	24.4	834.0 - 1345.0	S	1089.8	85.1	15
Siemens Dimension & Siemens Dimension Xpand	9	1238.0 - 1957.0	S	1597.5	120.0	366.0 - 485.0	S	425.4	19.9	1057.0 - 1710.0	S	1383.5	108.8	571.0 - 773.0	S	671.6	33.7	713.0 - 1539.0	S	1126.0	137.7	24
Siemens Immulite & Siem Immulite/Immulite 1000	10	1252.0 - 2307.0	S	1779.2	175.9	430.0 - 631.0	S	530.5	33.6	1114.0 - 1883.0	S	1498.6	128.1	595.0 - 1018.0	S	806.3	70.5	892.0 - 1709.0	S	1300.4	136.0	57
Siemens Immulite 2000 & Siemens Immulite 2000	11	1247.0 - 2659.0	S	1953.1	235.2	531.0 - 677.0	S	604.0	24.3	1136.0 - 2137.0	S	1636.9	166.9	673.0 - 1112.0	S	892.1	73.2	997.0 - 1706.0	S	1351.5	118.1	15
Tosoh Total b-hCG & Tosoh Medics ST AIA	12	1476.0 - 1892.0	S	1684.2	69.3	416.0 - 586.0	S	500.9	28.3	1270.0 - 1615.0	S	1442.4	57.6	593.0 - 895.0	S	743.6	50.3	1058.0 - 1371.0	S	1214.6	52.2	17

Initial Grouping by Reagent

Abbott Architect	13	1202.0 - 1855.0	S	1528.3	108.8	328.0 - 578.0	S	452.9	41.6	1018.0 - 1578.0	S	1298.0	93.2	491.0 - 849.0	S	670.3	59.7	829.0 - 1357.0	S	1093.0	87.9	10
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Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Abbott Total b-hCG	14	1031.0 - 2776.0	S	1903.4	290.8	369.0 - 671.0	S	519.8	50.3	802.0 - 2471.0	S	1636.8	278.1	528.0 - 1057.0	S	792.8	88.1	802.0 - 1953.0	S	1377.6	191.7	17
Beckman Access	15	1176.0 - 2085.0	S	1630.2	151.5	339.0 - 480.0	S	409.8	23.5	1055.0 - 1791.0	S	1422.9	122.7	512.0 - 722.0	S	616.8	35.0	603.0 - 1493.0	S	1047.6	148.3	64
bioMerieux Vidas	16	1031.0 - 2394.0	S	1712.5	227.1	396.0 - 623.0	S	509.5	38.0	1077.0 - 1828.0	S	1452.7	125.3	552.0 - 1008.0	S	780.0	75.9	999.0 - 1540.0	S	1269.5	90.3	22
J&J Vitros ECI	17	1556.0 - 1850.0	S	1703.1	48.9	421.0 - 563.0	S	491.9	23.7	1189.0 - 1598.0	S	1393.6	68.1	638.0 - 887.0	S	762.7	41.4	1059.0 - 1368.0	S	1213.5	51.5	16
Roche Elecsys	18	1252.0 - 1762.0	S	1506.8	85.0	363.0 - 526.0	S	444.8	27.2	1070.0 - 1551.0	S	1310.2	80.2	543.0 - 781.0	S	661.8	39.7	877.0 - 1315.0	S	1095.9	73.1	16
Roche HCG+b	19	1240.0 - 1784.0	S	1511.8	90.7	363.0 - 527.0	S	445.2	27.4	1082.0 - 1545.0	S	1313.7	77.1	560.0 - 757.0	S	658.5	32.7	904.0 - 1293.0	S	1098.5	65.0	11
Siemens Advia	20	966.0 - 2006.0	S	1486.1	173.4	410.0 - 525.0	S	467.3	19.1	834.0 - 1787.0	S	1310.4	159.0	617.0 - 765.0	S	691.1	24.6	605.0 - 1628.0	S	1116.9	170.5	19
Siemens Dimension	21	1161.0 - 1955.0	S	1557.8	132.4	369.0 - 488.0	S	428.4	19.9	995.0 - 1699.0	S	1347.1	117.4	575.0 - 769.0	S	671.9	32.2	730.0 - 1486.0	S	1107.8	126.0	62
Siemens Immulite	22	1259.0 - 2320.0	S	1789.3	176.8	427.0 - 644.0	S	535.4	36.2	1081.0 - 1924.0	S	1502.2	140.5	596.0 - 1027.0	S	811.8	71.9	902.0 - 1712.0	S	1307.1	135.0	66
Siemens Immulite 2000	23	1240.0 - 2712.0	S	1976.2	245.3	533.0 - 674.0	S	603.5	23.4	1155.0 - 2120.0	S	1637.4	160.8	678.0 - 1115.0	S	896.5	72.8	1006.0 - 1711.0	S	1358.4	117.4	16
Tosoh Total b-hCG	24	1479.0 - 1928.0	S	1703.8	74.9	417.0 - 597.0	S	506.8	29.9	1255.0 - 1654.0	S	1454.6	66.4	609.0 - 889.0	S	749.0	46.6	1072.0 - 1383.0	S	1227.3	51.9	23
Initial Grouping by Sensitivity or Principle																						
Moderate recovery methods	25	899.0 - 2220.0	S	1559.3	220.2	0.0 - 1529.0	S	478.1	350.5	948.0 - 1757.0	S	1352.6	134.9	478.0 - 907.0	S	692.7	71.5	745.0 - 1521.0	S	1132.7	129.3	159
High recovery methods	26	1134.0 - 2456.0	S	1795.1	220.3	392.0 - 636.0	S	514.0	40.6	913.0 - 2158.0	S	1535.4	207.6	563.0 - 972.0	S	767.6	68.3	848.0 - 1743.0	S	1295.4	149.2	41
Very high recovery methods	27	1220.0 - 2436.0	S	1827.7	202.7	416.0 - 684.0	S	550.0	44.6	1073.0 - 1989.0	S	1531.1	152.8	593.0 - 1067.0	S	830.0	79.0	924.0 - 1714.0	S	1319.1	131.7	84
All other methods	28	1222.0 - 2066.0	S	1644.0	140.7	305.0 - 548.0	S	426.2	40.5	1075.0 - 1759.0	S	1416.9	114.0	439.0 - 854.0	S	646.3	69.2	631.0 - 1531.0	S	1080.8	150.0	80
Total Population																						
Whole Population	29	1082.0 - 2226.0	S	1653.9	190.6	284.0 - 665.0	S	474.8	63.5	949.0 - 1893.0	S	1420.6	157.4	439.0 - 995.0	S	716.8	92.7	699.0 - 1646.0	S	1172.4	157.9	376

Iron

Initial Grouping by Reagent and Instrument

Beckman Ferrozine & Beckman Unicel DXC series	1	145.0 - 217.0	P	180.7	5.0	132.0 - 198.0	P	164.9	4.8	205.0 - 307.0	P	256.1	6.6	72.0 - 108.0	P	90.2	3.3	162.0 - 242.0	P	202.1	5.2	44
Carolina & Beckman Synchron CX3/7/9/L	2	139.0 - 209.0	P	174.1	7.9	125.0 - 188.0	P	156.5	6.8	200.0 - 300.0	P	249.8	12.5	69.0 - 103.0	P	85.8	5.4	156.0 - 234.0	P	195.3	8.1	16
J&J Vitros & J&J Vitros not DT or ECI	3	154.0 - 230.0	P	192.1	9.0	138.0 - 207.0	P	172.7	9.1	228.0 - 342.0	P	285.0	10.9	69.0 - 103.0	P	86.0	5.9	173.0 - 259.0	P	216.1	11.0	15
J&J Vitros & J&J Vitros 5,1 FS	4	153.0 - 229.0	P	190.7	5.6	137.0 - 205.0	P	171.1	5.2	225.0 - 337.0	P	280.6	8.5	69.0 - 103.0	P	86.0	2.2	171.0 - 256.0	P	213.5	5.4	11

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Beckman Olympus Ferene & Beckm Olym AU 400/600/5400	5	155.0 - 233.0	P 194.1	5.3		142.0 - 212.0	P 177.1	4.7		220.0 - 331.0	P 275.5	6.7		77.0 - 115.0	P 96.1	2.6		173.0 - 260.0	P 216.4	5.1	16	
Beck Oly tripyridyltriazine & Beckm Olym AU 400/600/5400	6	155.0 - 232.0	P 193.2	3.5		142.0 - 213.0	P 177.1	4.1		219.0 - 329.0	P 273.8	6.1		75.0 - 113.0	P 94.2	1.8		172.0 - 259.0	P 215.6	5.4	18	
Roche Cobas & Roche Cobas 6000	7	146.0 - 219.0	P 182.5	3.3		132.0 - 198.0	P 165.4	3.4		206.0 - 309.0	P 257.1	5.6		72.0 - 108.0	P 89.9	2.9		161.0 - 241.0	P 201.2	4.6	11	
Roche Cobas & Roche Cobas Integra	8	141.0 - 211.0	P 176.2	4.6		128.0 - 192.0	P 160.2	4.3		200.0 - 301.0	P 250.6	8.6		69.0 - 103.0	P 85.7	4.6		159.0 - 238.0	P 198.5	5.8	12	
Siemens Dimension & Siemens Dimension Rxl	9	140.0 - 210.0	P 174.7	3.0		126.0 - 189.0	P 157.9	2.3		198.0 - 297.0	P 247.8	3.7		68.0 - 102.0	P 85.2	1.3		156.0 - 233.0	P 194.5	4.2	15	
Siemens Dimension & Siemens Dimension ser	10	140.0 - 210.0	P 175.1	1.9		127.0 - 190.0	P 158.5	1.9		199.0 - 298.0	P 248.6	3.7		68.0 - 102.0	P 84.6	1.5		156.0 - 233.0	P 194.6	3.0	17	
Siemens Dimension & Siemens Dimension Xpand	11	140.0 - 210.0	P 175.2	5.6		127.0 - 190.0	P 158.1	3.3		199.0 - 298.0	P 248.6	5.9		68.0 - 102.0	P 85.3	1.9		156.0 - 234.0	P 194.9	7.1	28	
Sterling Ferrozine & Other spectrophotometers	12	137.0 - 205.0	P 170.7	11.7		131.0 - 196.0	P 163.3	10.9		195.0 - 293.0	P 243.8	15.7		64.0 - 96.0	P 80.2	8.7		157.0 - 235.0	P 195.6	14.3	11	
Initial Grouping by Reagent																						
Beckman Ferrozine	13	144.0 - 216.0	P 179.6	5.9		131.0 - 197.0	P 164.3	5.3		204.0 - 306.0	P 254.9	7.6		72.0 - 107.0	P 89.5	3.7		161.0 - 241.0	P 200.9	6.4	58	
Carolina	14	139.0 - 208.0	P 173.7	6.6		125.0 - 188.0	P 156.8	5.9		199.0 - 298.0	P 248.4	11.2		68.0 - 102.0	P 84.9	4.6		155.0 - 233.0	P 194.1	7.5	27	
DCL/Genzyme	15	126.0 - 188.0	P 156.9	18.3		113.0 - 169.0	P 141.0	17.0		180.0 - 270.0	P 225.1	25.2		62.0 - 93.0	P 77.6	9.0		141.0 - 211.0	P 175.7	20.6	21	
J&J Vitros	16	152.0 - 228.0	P 190.4	7.1		137.0 - 206.0	P 171.4	7.0		226.0 - 338.0	P 281.9	9.4		68.0 - 103.0	P 85.5	4.6		171.0 - 256.0	P 213.6	8.6	35	
Beckman Olympus Ferene	17	155.0 - 233.0	P 193.9	6.0		142.0 - 213.0	P 177.1	5.4		220.0 - 330.0	P 275.3	7.3		77.0 - 115.0	P 96.1	3.2		173.0 - 260.0	P 216.4	5.9	20	
Beck Oly tripyridyltriazine	18	155.0 - 232.0	P 193.1	3.7		142.0 - 212.0	P 177.0	4.3		219.0 - 328.0	P 273.2	6.4		75.0 - 113.0	P 94.2	1.8		172.0 - 258.0	P 214.9	5.5	21	
Roche Cobas	19	143.0 - 215.0	P 178.8	5.7		130.0 - 195.0	P 162.3	5.1		202.0 - 303.0	P 252.8	8.4		70.0 - 106.0	P 88.0	4.6		159.0 - 239.0	P 198.9	6.2	28	
Roche DGKC	20	142.0 - 214.0	P 178.0	2.9		129.0 - 194.0	P 161.4	3.1		202.0 - 304.0	P 253.0	3.3		70.0 - 106.0	P 88.1	2.2		159.0 - 238.0	P 198.3	3.0	10	
Siemens Dimension	21	140.0 - 210.0	P 175.1	4.0		127.0 - 190.0	P 158.3	2.6		199.0 - 298.0	P 248.6	4.5		68.0 - 102.0	P 85.2	1.7		156.0 - 234.0	P 195.0	5.3	69	
Sterling Ferrozine	22	135.0 - 203.0	P 169.1	12.4		129.0 - 194.0	P 161.3	13.5		195.0 - 293.0	P 243.9	18.0		65.0 - 97.0	P 80.8	7.9		157.0 - 236.0	P 196.8	13.0	14	
Initial Grouping by Sensitivity or Principle																						
Ferene-based	23	139.0 - 209.0	P 174.0	12.4		126.0 - 189.0	P 157.5	11.7		198.0 - 297.0	P 247.4	17.0		68.0 - 102.0	P 85.4	6.3		155.0 - 233.0	P 194.0	13.8	171	
Ferrozine-based	24	141.0 - 211.0	P 175.9	9.2		128.0 - 193.0	P 160.5	10.1		200.0 - 299.0	P 249.4	12.9		70.0 - 104.0	P 87.0	5.9		158.0 - 236.0	P 197.0	10.2	149	
Tripyridyltriazine (TPTZ)	25	155.0 - 233.0	P 193.8	4.8		137.0 - 205.0	P 171.0	28.7		212.0 - 318.0	P 264.7	40.4		76.0 - 114.0	P 95.0	3.7		171.0 - 256.0	P 213.5	8.3	22	
All other methods	26	152.0 - 228.0	P 190.4	7.1		137.0 - 206.0	P 171.4	7.0		226.0 - 338.0	P 281.9	9.4		68.0 - 103.0	P 85.5	4.6		171.0 - 256.0	P 213.6	8.6	35	

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Total Population																						
Whole Population	27	142.0 - 213.0	P 177.3	12.1	129.0 - 194.0	P 161.3	11.0		202.0 - 303.0	P 252.8	18.2		69.0 - 104.0	P 86.6	6.3		159.0 - 238.0	P 198.1	13.6	384		
Lactic Acid																						
Initial Grouping by Reagent																						
J&J Vitros	1	2.7 - 4.5	P 3.63	0.14	2.8 - 4.6	P 3.70	0.18		3.8 - 6.4	P 5.11	0.23		1.5 - 2.4	P 1.94	0.07		3.1 - 5.2	P 4.19	0.18	10		
Siemens Dimension, Dim Flex	2	2.8 - 4.7	P 3.76	0.13	2.9 - 4.9	P 3.93	0.11		4.4 - 7.4	P 5.92	0.18		1.2 - 2.0	P 1.61	0.13		3.4 - 5.7	P 4.52	0.07	17		
Initial Grouping by Sensitivity or Principle																						
Luminometric	3	3.6 - 6.0	P 4.83	5.81	3.7 - 6.2	P 4.99	5.94		5.5 - 9.2	P 7.37	9.01		1.7 - 2.8	P 2.27	2.81		4.3 - 7.2	P 5.74	6.91	28		
Total Population																						
Whole Population	4	7.6 - 12.7	P 10.17	12.80	8.0 - 13.3	P 10.60	13.38		11.7 - 19.5	P 15.56	19.64		3.8 - 6.3	P 5.05	6.57		9.0 - 15.0	P 12.04	15.35	45		
Lactate Dehydrogenase, Total (LD or LDH)																						
Initial Grouping by Reagent and Instrument																						
Abbott & Abbott Architect c, ci, i	1	353.0 - 529.0	P 441.1	9.3	150.0 - 225.0	P 187.5	4.7		287.0 - 431.0	P 358.8	8.3		216.0 - 323.0	P 269.4	5.3		264.0 - 396.0	P 329.7	5.9	15		
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	263.0 - 394.0	P 328.7	13.4	107.0 - 161.0	P 134.3	8.6		207.0 - 311.0	P 259.2	16.2		160.0 - 240.0	P 200.4	10.0		195.0 - 293.0	P 244.0	13.0	15		
Beckman & Beckman Unicel DXC series	3	312.0 - 467.0	P 389.5	10.1	123.0 - 184.0	P 153.2	4.6		249.0 - 374.0	P 311.5	8.3		190.0 - 284.0	P 237.1	5.9		230.0 - 345.0	P 287.3	8.1	49		
Carolina & Beckman Synchron CX3/7/9/L	4	277.0 - 415.0	P 346.1	10.9	117.0 - 176.0	P 146.2	5.3		226.0 - 339.0	P 282.8	8.9		176.0 - 264.0	P 219.6	7.8		211.0 - 316.0	P 263.7	9.5	12		
J&J Vitros & J&J Vitros not DT or ECi	5	1245.0 - 1868.0	P 1556.6	48.6	481.0 - 722.0	P 601.7	11.2		926.0 - 1389.0	P 1157.8	22.9		740.0 - 1110.0	P 925.4	19.2		874.0 - 1311.0	P 1092.6	19.6	33		
J&J Vitros & J&J Vitros 5,1 FS	6	1221.0 - 1832.0	P 1526.3	33.2	482.0 - 722.0	P 601.9	11.5		922.0 - 1383.0	P 1152.8	16.3		736.0 - 1104.0	P 919.6	8.7		862.0 - 1294.0	P 1078.1	17.7	11		
Beckman Olympus & Beckm Olym AU 400/600/5400	7	318.0 - 477.0	P 397.5	15.6	123.0 - 185.0	P 153.9	6.7		250.0 - 376.0	P 313.1	13.2		191.0 - 286.0	P 238.2	9.4		230.0 - 345.0	P 287.3	12.1	31		
Siemens & Siemens Advia series	8	360.0 - 540.0	P 450.3	24.1	143.0 - 215.0	P 178.8	9.7		289.0 - 433.0	P 360.8	18.7		219.0 - 329.0	P 273.8	13.7		266.0 - 399.0	P 332.6	17.9	10		
Siemens Dimension, Dim Flex & Siemens Dimension ser	9	337.0 - 506.0	P 421.6	41.1	133.0 - 200.0	P 166.3	14.2		270.0 - 405.0	P 337.6	31.0		205.0 - 307.0	P 255.9	23.7		250.0 - 374.0	P 312.0	27.0	18		
Siemens Dimension, Dim Flex & Siemens Dimension Xpand	10	345.0 - 517.0	P 430.9	32.0	136.0 - 204.0	P 170.1	11.6		275.0 - 413.0	P 344.2	24.2		208.0 - 313.0	P 260.5	16.8		255.0 - 383.0	P 318.8	22.8	29		
Siemens Flex LDI & Siemens Dimension ser	11	376.0 - 563.0	P 469.5	8.5	147.0 - 221.0	P 184.3	4.2		298.0 - 447.0	P 372.9	8.1		225.0 - 337.0	P 281.0	4.9		275.0 - 412.0	P 343.7	5.5	11		
Siemens Flex LDI & Siemens Dimension Xpand	12	376.0 - 565.0	P 470.5	13.2	148.0 - 222.0	P 184.9	8.0		298.0 - 447.0	P 372.7	11.7		227.0 - 340.0	P 283.6	8.7		276.0 - 414.0	P 345.3	10.5	14		
Initial Grouping by Method																						
Abbott	13	353.0 - 530.0	P 441.5	9.1	150.0 - 225.0	P 187.2	4.6		287.0 - 430.0	P 358.6	8.1		216.0 - 323.0	P 269.4	5.1		264.0 - 395.0	P 329.6	5.7	16		
		263.0 -			107.0 -				207.0 -				160.0 -				195.0 -					

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Alfa Wassermann	14	394.0	P	328.7	13.4	161.0	P	134.3	8.6	311.0	P	259.2	16.2	240.0	P	200.4	10.0	293.0	P	244.0	13.0	15
Beckman	15	308.0 - 462.0	P	385.0	12.9	121.0 - 182.0	P	151.8	5.4	246.0 - 370.0	P	308.0	10.4	188.0 - 282.0	P	234.8	7.4	227.0 - 341.0	P	284.0	10.1	66
Carolina	16	283.0 - 424.0	P	353.6	23.8	119.0 - 178.0	P	148.3	9.0	228.0 - 343.0	P	285.5	14.1	179.0 - 268.0	P	223.2	13.4	215.0 - 322.0	P	268.4	17.3	16
J&J Vitros	17	1235.0 - 1852.0	P	1543.5	48.0	481.0 - 721.0	P	601.2	11.0	923.0 - 1385.0	P	1153.8	22.9	739.0 - 1108.0	P	923.5	17.0	869.0 - 1304.0	P	1086.7	20.2	53
Beckman Olympus	18	320.0 - 480.0	P	399.8	17.5	124.0 - 186.0	P	155.1	7.0	252.0 - 378.0	P	315.0	14.0	192.0 - 288.0	P	239.8	10.0	231.0 - 347.0	P	289.1	12.8	38
Roche Cobas	19	377.0 - 565.0	P	470.8	12.6	149.0 - 223.0	P	186.0	5.5	301.0 - 451.0	P	376.1	11.9	228.0 - 342.0	P	285.2	7.8	276.0 - 414.0	P	344.6	10.0	20
Siemens	20	360.0 - 540.0	P	450.3	24.1	143.0 - 215.0	P	178.8	9.7	289.0 - 433.0	P	360.8	18.7	219.0 - 329.0	P	273.8	13.7	266.0 - 399.0	P	332.6	17.9	10
Siemens Dimension, Dim Flex	21	344.0 - 516.0	P	429.8	34.8	136.0 - 204.0	P	169.7	12.4	276.0 - 414.0	P	344.6	27.0	208.0 - 313.0	P	260.6	19.5	255.0 - 382.0	P	318.5	24.4	62
Siemens Flex LDI	22	376.0 - 564.0	P	470.3	13.0	148.0 - 221.0	P	184.4	7.3	298.0 - 447.0	P	372.6	10.3	226.0 - 339.0	P	282.2	8.0	275.0 - 413.0	P	344.3	9.0	33

Initial Grouping by Sensitivity or Principle

Low recovery methods	23	263.0 - 394.0	P	328.7	13.4	107.0 - 161.0	P	134.3	8.6	207.0 - 311.0	P	259.2	16.2	160.0 - 240.0	P	200.4	10.0	195.0 - 293.0	P	244.0	13.0	15
Low moderate recovery meths	24	313.0 - 470.0	P	391.6	20.3	123.0 - 184.0	P	153.5	7.5	249.0 - 374.0	P	311.6	14.8	190.0 - 285.0	P	237.4	11.7	229.0 - 344.0	P	286.5	15.1	113
Moderate recovery methods	25	350.0 - 526.0	P	438.0	35.9	140.0 - 209.0	P	174.5	14.3	280.0 - 420.0	P	350.0	29.3	212.0 - 318.0	P	264.9	21.5	259.0 - 388.0	P	323.2	26.0	126
High moderate recovery meth	26	341.0 - 512.0	P	426.4	55.6	138.0 - 206.0	P	172.1	18.9	274.0 - 412.0	P	343.1	42.4	210.0 - 315.0	P	262.7	31.0	253.0 - 379.0	P	316.1	37.2	52
High recovery methods	27	371.0 - 557.0	P	463.8	15.5	147.0 - 220.0	P	183.1	6.6	294.0 - 441.0	P	367.4	11.4	226.0 - 339.0	P	282.1	9.9	272.0 - 407.0	P	339.5	11.6	15
All other methods	28	1203.0 - 1804.0	P	1503.5	211.0	469.0 - 703.0	P	586.0	80.0	900.0 - 1350.0	P	1124.6	151.7	720.0 - 1079.0	P	899.6	124.1	847.0 - 1270.0	P	1058.4	145.7	55

Total Population

Whole Population	29	344.0 - 516.0	P	430.3	35.9	136.0 - 205.0	P	170.5	14.7	273.0 - 410.0	P	341.3	29.6	208.0 - 312.0	P	260.0	21.8	252.0 - 378.0	P	314.7	27.3	399
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Lipase

Initial Grouping by Reagent and Instrument

Abbott Architect/ Aeroset & Abbott Architect c, ci, i	1	40.0 - 74.0	P	56.8	3.2	52.0 - 98.0	P	75.0	3.5	75.0 - 140.0	P	107.3	4.8	15.0 - 27.0	P	20.9	1.1	56.0 - 103.0	P	79.6	3.8	12
Beckman LIP & Beckman Unicel DXC series	2	35.0 - 65.0	P	50.3	3.3	43.0 - 80.0	P	61.8	2.9	56.0 - 104.0	P	80.1	4.4	18.0 - 34.0	P	25.9	2.6	46.0 - 86.0	P	65.9	3.7	30
Carolina & Beckman Synchron CX3/7/9/L	3	39.0 - 72.0	P	55.6	6.7	48.0 - 90.0	P	69.3	8.8	61.0 - 113.0	P	87.3	12.8	19.0 - 36.0	P	27.5	3.2	51.0 - 94.0	P	72.6	9.7	11
J&J Vitros & J&J Vitros not DT or ECi	4	559.0 - 1039.0	P	799.0	19.6	759.0 - 1409.0	P	1084.1	24.3	1088.0 - 2021.0	P	1554.6	29.8	197.0 - 365.0	P	280.7	11.4	807.0 - 1499.0	P	1153.2	21.8	33

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
J&J Vitros & J&J Vitros 5,1 FS	5	553.0 - 1028.0	P 790.4	17.6		747.0 - 1388.0	P 1067.6	21.9		1074.0 - 1996.0	P 1535.0	21.8		187.0 - 348.0	P 267.6	10.2		794.0 - 1475.0	P 1134.9	23.2	18	
Beckman Olympus & Beckm Olym AU 400/600/5400	6	41.0 - 76.0	P 58.6	5.1		54.0 - 100.0	P 77.3	6.8		77.0 - 144.0	P 110.5	9.5		15.0 - 28.0	P 21.5	2.5		57.0 - 106.0	P 81.5	7.1	27	
Roche Cobas Integra & Roche Cobas Integra	7	37.0 - 68.0	P 52.6	1.9		47.0 - 88.0	P 67.5	2.5		67.0 - 125.0	P 95.9	4.7		16.0 - 29.0	P 22.3	0.8		51.0 - 94.0	P 72.4	2.9	15	
Siemens LIPL, liquid & Siemens Dimension Rxl	8	145.0 - 269.0	P 207.2	6.9		189.0 - 352.0	P 270.6	5.5		272.0 - 506.0	P 389.2	9.3		62.0 - 115.0	P 88.8	1.9		205.0 - 380.0	P 292.7	7.8	12	
Siemens LIPL, liquid & Siemens Dimension EXL	9	144.0 - 268.0	P 205.8	5.4		185.0 - 344.0	P 264.8	8.3		267.0 - 497.0	P 382.1	9.2		61.0 - 113.0	P 87.1	3.6		201.0 - 374.0	P 287.4	9.3	16	
Siemens LIPL, liquid & Siemens Dimension ser	10	145.0 - 270.0	P 207.6	4.9		188.0 - 349.0	P 268.7	10.0		270.0 - 501.0	P 385.6	14.1		61.0 - 114.0	P 87.5	2.9		202.0 - 375.0	P 288.8	9.5	21	
Siemens LIPL, liquid & Siemens Dimension Xpand	11	147.0 - 273.0	P 209.7	5.5		189.0 - 351.0	P 269.7	6.7		271.0 - 503.0	P 387.3	7.4		61.0 - 114.0	P 87.8	4.3		204.0 - 378.0	P 290.8	7.3	34	
Initial Grouping by Reagent																						
Abbott Architect/ Aeroset	12	40.0 - 74.0	P 56.8	3.2		52.0 - 98.0	P 75.0	3.5		75.0 - 140.0	P 107.3	4.8		15.0 - 27.0	P 20.9	1.1		56.0 - 103.0	P 79.6	3.8	12	
Beckman LIP	13	35.0 - 66.0	P 50.6	3.6		43.0 - 80.0	P 61.8	2.8		56.0 - 104.0	P 80.1	4.3		18.0 - 34.0	P 25.9	2.6		46.0 - 86.0	P 66.3	4.3	33	
Beckman LIPA	14	35.0 - 65.0	P 50.2	2.8		45.0 - 83.0	P 63.8	4.5		59.0 - 110.0	P 84.8	9.6		16.0 - 30.0	P 22.8	4.7		47.0 - 87.0	P 67.1	5.9	13	
Carolina	15	39.0 - 73.0	P 56.1	6.4		48.0 - 89.0	P 68.6	8.6		59.0 - 110.0	P 84.8	14.8		20.0 - 37.0	P 28.8	3.4		50.0 - 93.0	P 71.6	10.1	17	
J&J Vitros	16	556.0 - 1033.0	P 794.2	18.8		753.0 - 1399.0	P 1075.8	24.4		1081.0 - 2008.0	P 1544.5	28.5		192.0 - 357.0	P 274.5	12.9		801.0 - 1488.0	P 1144.8	23.3	60	
Beckman Olympus	17	41.0 - 76.0	P 58.6	4.9		54.0 - 100.0	P 77.3	6.5		77.0 - 144.0	P 110.5	9.0		15.0 - 28.0	P 21.5	2.6		57.0 - 106.0	P 81.4	6.8	30	
Roche Cobas Integra	18	36.0 - 67.0	P 51.9	2.4		47.0 - 86.0	P 66.5	3.2		66.0 - 123.0	P 94.4	5.6		15.0 - 28.0	P 21.9	1.1		50.0 - 93.0	P 71.3	3.7	18	
Roche/Hitachi	19	33.0 - 62.0	P 47.4	3.2		43.0 - 79.0	P 60.9	4.2		61.0 - 113.0	P 86.7	7.1		14.0 - 26.0	P 19.9	1.5		45.0 - 85.0	P 65.0	5.4	15	
Siemens LIPL, liquid	20	146.0 - 270.0	P 208.0	5.6		188.0 - 349.0	P 268.6	8.0		270.0 - 502.0	P 386.1	10.1		61.0 - 114.0	P 87.7	3.6		203.0 - 377.0	P 289.9	8.4	83	
Siemens Dimension	21	146.0 - 272.0	P 209.1	5.2		189.0 - 351.0	P 270.2	5.0		272.0 - 504.0	P 387.9	9.3		61.0 - 113.0	P 86.7	4.7		202.0 - 376.0	P 289.0	6.2	17	
Initial Grouping by Sensitivity or Principle																						
Very low recovery methods	22	46.0 - 86.0	P 66.2	29.3		55.0 - 101.0	P 78.0	8.8		76.0 - 140.0	P 108.0	16.0		18.0 - 34.0	P 26.4	11.1		55.0 - 102.0	P 78.7	18.6	26	
Colorimetric	23	35.0 - 65.0	P 50.4	6.4		45.0 - 84.0	P 64.9	17.4		60.0 - 112.0	P 86.1	12.2		17.0 - 31.0	P 23.8	8.2		48.0 - 88.0	P 67.9	8.8	90	
Enzymatic/colorimetric	24	258.0 - 480.0	P 368.9	293.8		344.0 - 639.0	P 491.5	401.0		493.0 - 915.0	P 703.9	574.5		96.0 - 179.0	P 137.4	96.9		369.0 - 686.0	P 527.6	425.5	194	
All other methods	25	39.0 - 73.0	P 56.1	6.4		48.0 - 89.0	P 68.6	8.6		59.0 - 110.0	P 84.8	14.8		20.0 - 37.0	P 28.8	3.4		50.0 - 93.0	P 71.6	10.1	17	
Total Population																						

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		
Whole Population	26	146.0 - 272.0	P 209.0	11.8	188.0 - 350.0	P 269.1	13.9		271.0 - 503.0	P 387.1	14.3		61.0 - 114.0	P 87.4	3.9		203.0 - 377.0	P 289.6	8.1		330	

Magnesium mg/dL

Initial Grouping by Reagent and Instrument

Abbott Arsenazo & Abbott Architect c, ci, i	1	2.0 - 3.4	P 2.70	0.08	2.9 - 4.8	P 3.85	0.15		2.1 - 3.5	P 2.82	0.11		2.8 - 4.6	P 3.67	0.15		2.2 - 3.6	P 2.92	0.13		12
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	1.9 - 3.1	P 2.50	0.16	2.7 - 4.5	P 3.59	0.39		2.0 - 3.3	P 2.61	0.19		2.6 - 4.4	P 3.51	0.29		2.2 - 3.8	P 3.00	0.47		15
Beckman & Beckman Unicel DXC series	3	2.1 - 3.4	P 2.75	0.09	3.0 - 5.0	P 4.01	0.10		2.2 - 3.6	P 2.91	0.12		2.9 - 4.9	P 3.89	0.12		2.4 - 4.0	P 3.18	0.16		52
Beckman & Beckman Synchron CX3/7/9/L	4	2.0 - 3.4	P 2.72	0.09	3.0 - 5.1	P 4.06	0.13		2.2 - 3.7	P 2.93	0.12		2.9 - 4.9	P 3.90	0.13		2.3 - 3.8	P 3.06	0.07		10
Carolina & Beckman Synchron CX3/7/9/L	5	2.1 - 3.4	P 2.74	0.23	2.8 - 4.7	P 3.79	0.26		2.2 - 3.7	P 2.98	0.20		2.8 - 4.6	P 3.72	0.23		2.3 - 3.9	P 3.12	0.29		13
J&J Vitros & J&J Vitros not DT or ECi	6	2.2 - 3.7	P 2.99	0.11	3.3 - 5.5	P 4.39	0.13		2.3 - 3.8	P 3.05	0.13		3.3 - 5.4	P 4.34	0.15		2.6 - 4.3	P 3.41	0.18		45
J&J Vitros & J&J Vitros 5,1 FS	7	2.3 - 3.8	P 3.01	0.13	3.3 - 5.5	P 4.41	0.16		2.3 - 3.8	P 3.07	0.15		3.2 - 5.4	P 4.33	0.13		2.5 - 4.2	P 3.39	0.18		18
Beckman Olymp Xylidyl Blue & Beckm Olym AU 400/600/5400	8	2.0 - 3.3	P 2.62	0.11	2.9 - 4.8	P 3.86	0.15		2.1 - 3.4	P 2.75	0.11		2.8 - 4.7	P 3.74	0.19		2.3 - 3.8	P 3.03	0.15		34
Roche Cobas & Roche Cobas 6000	9	2.0 - 3.4	P 2.71	0.10	2.9 - 4.8	P 3.83	0.12		2.1 - 3.5	P 2.81	0.09		2.9 - 4.8	P 3.81	0.14		2.3 - 3.8	P 3.04	0.17		11
Roche Cobas & Roche Cobas Integra	10	2.0 - 3.3	P 2.62	0.10	2.8 - 4.7	P 3.72	0.14		2.0 - 3.4	P 2.71	0.10		2.8 - 4.6	P 3.70	0.13		2.2 - 3.7	P 2.93	0.13		13
Siemens & Siemens Advia series	11	2.1 - 3.5	P 2.77	0.14	3.0 - 5.0	P 4.00	0.24		2.1 - 3.6	P 2.84	0.13		2.9 - 4.8	P 3.86	0.21		2.3 - 3.9	P 3.09	0.14		10
Siemens Dimension & Siemens Dimension Rxl	12	2.0 - 3.4	P 2.69	0.09	3.0 - 5.0	P 4.04	0.11		2.1 - 3.5	P 2.83	0.14		2.9 - 4.9	P 3.93	0.13		2.3 - 3.8	P 3.08	0.14		18
Siemens Dimension & Siemens Dimension EXL	13	2.0 - 3.3	P 2.66	0.10	3.0 - 5.0	P 4.02	0.12		2.1 - 3.5	P 2.80	0.11		2.9 - 4.9	P 3.91	0.11		2.3 - 3.8	P 3.01	0.15		22
Siemens Dimension & Siemens Dimension ser	14	2.0 - 3.4	P 2.68	0.11	3.0 - 5.0	P 4.01	0.11		2.1 - 3.5	P 2.82	0.11		2.9 - 4.9	P 3.88	0.12		2.3 - 3.8	P 3.01	0.17		40
Siemens Dimension & Siemens Dimension Xpand	15	2.0 - 3.3	P 2.66	0.13	3.0 - 5.0	P 4.03	0.13		2.1 - 3.5	P 2.80	0.10		2.9 - 4.9	P 3.92	0.11		2.3 - 3.8	P 3.05	0.16		68

Initial Grouping by Reagent

Abbott Arsenazo	16	2.0 - 3.4	P 2.70	0.08	2.9 - 4.8	P 3.85	0.15		2.1 - 3.5	P 2.82	0.11		2.8 - 4.6	P 3.67	0.15		2.2 - 3.6	P 2.92	0.13		12
Alfa Wassermann	17	1.9 - 3.1	P 2.50	0.16	2.7 - 4.5	P 3.59	0.39		2.0 - 3.3	P 2.61	0.19		2.6 - 4.4	P 3.51	0.29		2.2 - 3.6	P 2.89	0.25		15
Beckman	18	2.1 - 3.4	P 2.74	0.09	3.0 - 5.0	P 4.02	0.11		2.2 - 3.6	P 2.91	0.12		2.9 - 4.9	P 3.89	0.13		2.4 - 3.9	P 3.15	0.16		67
Carolina	19	2.0 - 3.4	P 2.71	0.20	2.8 - 4.7	P 3.72	0.26		2.2 - 3.6	P 2.92	0.22		2.7 - 4.5	P 3.64	0.24		2.3 - 3.9	P 3.09	0.24		23
DCL/Genzyme	20	1.9 - 3.2	P 2.57	0.30	2.8 - 4.6	P 3.67	0.17		2.0 - 3.3	P 2.67	0.19		2.7 - 4.5	P 3.59	0.16		2.1 - 3.5	P 2.82	0.18		12
J&J Vitros	21	2.2 - 3.7	P 2.99	0.11	3.3 - 5.5	P 4.40	0.14		2.3 - 3.8	P 3.05	0.14		3.3 - 5.4	P 4.34	0.14		2.5 - 4.2	P 3.39	0.18		73
Beckman Olymp Xylidyl Blue	22	2.0 - 3.3	P 2.64	0.12	2.9 - 4.8	P 3.86	0.16		2.1 - 3.4	P 2.76	0.11		2.8 - 4.7	P 3.75	0.19		2.3 - 3.8	P 3.03	0.16		41
Roche Cobas	23	2.0 - 3.3	P 2.65	0.12	2.8 - 4.7	P 3.76	0.15		2.1 - 3.4	P 2.74	0.11		2.8 - 4.7	P 3.74	0.18		2.2 - 3.7	P 2.98	0.17		32
Siemens	24	2.1 - 3.5	P 2.77	0.14	3.0 - 5.0	P 4.00	0.24		2.1 - 3.6	P 2.84	0.13		2.9 - 4.8	P 3.86	0.21		2.3 - 3.9	P 3.09	0.14		10

Name	Specimen 1				Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
	Line No.	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
Siemens Centaur/Centaur CP	13	3.6 - 6.9	S 5.23	0.55	4.8 - 9.0	S 6.90	0.70	7.3 - 13.2	S 10.28	0.99	0.8 - 1.5	S 1.16	0.11	5.4 - 9.7	S 7.54	0.71	20
Siemens Dimension & Siemens Dimension Rxl	14	2.9 - 5.3	S 4.10	0.40	4.1 - 7.0	S 5.58	0.48	6.7 - 10.6	S 8.66	0.65	0.8 - 1.1	S 0.93	0.05	4.6 - 7.8	S 6.20	0.53	13
Siemens Dimension & Siemens Dimension ser	15	2.7 - 5.5	S 4.14	0.47	3.7 - 7.4	S 5.58	0.62	5.8 - 11.2	S 8.51	0.91	0.6 - 1.2	S 0.92	0.09	4.3 - 8.1	S 6.18	0.64	13
Siemens Dimension & Siemens Dimension Xpand	16	3.2 - 4.8	S 3.99	0.28	4.1 - 6.6	S 5.34	0.41	6.5 - 10.1	S 8.32	0.60	0.6 - 1.1	S 0.88	0.08	4.7 - 7.3	S 5.96	0.43	56
Siemens Immulite (3rd gen) & Siemens Immulite 2000	17	3.7 - 5.4	S 4.52	0.28	4.9 - 7.0	S 5.95	0.35	7.5 - 10.8	S 9.12	0.55	0.7 - 1.2	S 0.98	0.08	5.2 - 8.1	S 6.63	0.47	25
Siemens Immulite (3rd gen) & Siem Immulite/Immulite 1000	18	3.7 - 5.4	S 4.52	0.29	4.9 - 7.4	S 6.16	0.41	7.6 - 11.2	S 9.42	0.59	0.8 - 1.2	S 1.00	0.08	5.4 - 8.0	S 6.73	0.43	47
Siemens Immulite (rapid) & Siemens Immulite 2000	19	3.5 - 5.6	S 4.58	0.35	4.8 - 7.0	S 5.91	0.36	7.1 - 11.0	S 9.06	0.65	0.7 - 1.3	S 0.99	0.10	5.5 - 7.8	S 6.65	0.39	23
Siemens Immulite (rapid) & Siem Immulite/Immulite 1000	20	4.2 - 5.0	S 4.62	0.14	5.2 - 7.0	S 6.08	0.30	7.9 - 9.8	S 8.87	0.31	0.9 - 1.2	S 1.02	0.05	5.4 - 8.0	S 6.66	0.44	12
Tosoh AIA & Tosoh Medics AIA	21	4.3 - 6.3	S 5.34	0.33	5.8 - 8.5	S 7.16	0.45	8.7 - 12.8	S 10.74	0.68	0.9 - 1.5	S 1.19	0.09	6.4 - 9.2	S 7.79	0.46	38
Tosoh AIA & Tosoh Medics ST AIA	22	4.4 - 6.4	S 5.40	0.34	5.8 - 8.6	S 7.20	0.46	8.9 - 12.6	S 10.71	0.62	1.0 - 1.5	S 1.21	0.08	6.6 - 9.1	S 7.88	0.42	35
Siemens Dimension LOCI & Siemens Dimension EXL	23	3.4 - 4.7	S 4.05	0.21	4.7 - 6.4	S 5.56	0.27	7.1 - 9.8	S 8.44	0.45	0.7 - 1.1	S 0.91	0.05	5.1 - 7.1	S 6.09	0.33	21
Initial Grouping by Reagent																	
Abbott Cmia	24	3.6 - 4.4	S 4.02	0.14	5.1 - 5.9	S 5.49	0.14	7.4 - 9.6	S 8.49	0.36	0.8 - 1.1	S 0.92	0.04	5.4 - 6.5	S 5.92	0.19	17
Abbott MEIA	25	3.0 - 5.7	S 4.34	0.46	4.0 - 7.7	S 5.81	0.62	6.1 - 11.7	S 8.92	0.94	0.6 - 1.3	S 0.92	0.11	4.3 - 8.4	S 6.37	0.67	36
Beckman Access	26	3.5 - 5.1	S 4.27	0.27	4.8 - 6.7	S 5.72	0.32	6.4 - 10.0	S 8.22	0.60	0.7 - 1.2	S 0.95	0.07	5.0 - 7.4	S 6.20	0.39	117
bioMerieux Vidas	27	4.2 - 6.0	S 5.08	0.30	5.6 - 8.2	S 6.86	0.43	8.5 - 12.2	S 10.39	0.62	0.8 - 1.3	S 1.08	0.08	6.0 - 9.0	S 7.47	0.50	71
Dade Behring	28	3.1 - 5.0	S 4.02	0.32	4.1 - 6.7	S 5.40	0.43	6.3 - 10.4	S 8.37	0.68	0.7 - 1.1	S 0.87	0.07	4.6 - 7.3	S 6.00	0.45	50
DiaSorin CTK-3	29	4.7 - 7.0	S 5.85	0.40	5.2 - 10.2	S 7.72	0.84	8.1 - 14.8	S 11.44	1.13	0.8 - 2.1	S 1.46	0.23	6.0 - 10.9	S 8.45	0.81	30
J&J Vitros	30	5.1 - 6.8	S 5.94	0.30	6.6 - 9.3	S 7.96	0.44	9.7 - 13.6	S 11.65	0.64	1.0 - 1.5	S 1.25	0.08	7.3 - 10.1	S 8.70	0.47	26
Roche Elecsys	31	4.3 - 5.4	S 4.83	0.18	5.7 - 7.3	S 6.51	0.26	7.8 - 10.7	S 9.25	0.48	1.1 - 1.3	S 1.18	0.04	6.1 - 7.9	S 6.99	0.30	46
Siemens Coat-A-Count IRMA	32	3.5 - 5.7	S 4.60	0.37	4.6 - 7.7	S 6.13	0.51	7.4 - 12.4	S 9.91	0.82	0.8 - 1.4	S 1.08	0.11	5.1 - 8.1	S 6.60	0.50	24
Siemens ADVIA Centaur/IMS	33	3.7 - 6.9	S 5.27	0.54	4.9 - 9.1	S 6.99	0.71	7.4 - 13.4	S 10.39	0.99	0.8 - 1.5	S 1.17	0.12	5.4 - 9.8	S 7.63	0.73	23
Siemens Dimension	34	3.0 - 5.0	S 4.03	0.33	4.0 - 6.8	S 5.42	0.47	6.4 - 10.4	S 8.41	0.67	0.7 - 1.1	S 0.89	0.08	4.6 - 7.5	S 6.03	0.49	83
Siemens Immulite (3rd gen)	35	3.6 - 5.4	S 4.54	0.30	4.9 - 7.3	S 6.09	0.40	7.4 - 11.3	S 9.36	0.65	0.7 - 1.2	S 0.99	0.08	5.4 - 8.0	S 6.70	0.44	78
Siemens Immulite (rapid)	36	3.7 - 5.5	S 4.60	0.29	4.9 - 7.0	S 5.97	0.35	7.3 - 10.7	S 8.99	0.56	0.7 - 1.3	S 1.00	0.08	5.4 - 7.9	S 6.65	0.40	35
Tosoh AIA	37	4.4 - 6.4	S 5.39	0.34	5.8 - 8.6	S 7.21	0.46	8.8 - 12.7	S 10.76	0.66	0.9 - 1.5	S 1.21	0.09	6.5 - 9.2	S 7.86	0.46	77
Siemens Dimension LOCI	38	3.4 - 4.7	S 4.06	0.21	4.8 - 6.4	S 5.58	0.27	7.1 - 9.9	S 8.49	0.46	0.7 - 1.1	S 0.91	0.05	5.1 - 7.1	S 6.12	0.34	23
Initial Grouping by Sensitivity or Principle																	
Low recovery methods	39	3.5 - 5.1	S 4.27	0.27	4.8 - 6.7	S 5.72	0.32	6.4 - 10.0	S 8.22	0.60	0.7 - 1.2	S 0.95	0.07	5.0 - 7.4	S 6.20	0.39	117
Low moderate recovery meths	40	2.6 - 5.6	S 4.11	0.51	3.6 - 7.5	S 5.53	0.64	5.8 - 11.3	S 8.54	0.92	0.5 - 1.4	S 0.91	0.15	4.1 - 8.2	S 6.14	0.69	163
Moderate recovery methods	41	3.3 - 6.3	S 4.78	0.51	4.4 - 8.5	S 6.43	0.68	6.7 - 12.7	S 9.69	1.00	0.7 - 1.5	S 1.07	0.13	4.7 - 9.2	S 6.98	0.74	219
High moderate recovery meth	42	3.2 - 6.8	S 5.03	0.60	4.2 - 9.2	S 6.68	0.83	6.6 - 13.5	S 10.07	1.15	0.5 - 1.7	S 1.13	0.20	4.8 - 9.9	S 7.34	0.86	220
All other methods	43	5.1 - 6.8	S 5.94	0.30	6.6 - 9.3	S 7.96	0.44	9.7 - 13.6	S 11.65	0.64	1.0 - 1.5	S 1.25	0.08	7.3 - 10.1	S 8.70	0.47	26

Name	Line No.	Specimen 1				Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD		
Total Population																		
Whole Population	44	2.7 - 6.5	S 4.64	0.63	3.7 - 8.7	S 6.22	0.83	5.6 - 13.1	S 9.36	1.24	0.6 - 1.5	S 1.02	0.15	4.1 - 9.5	S 6.80	0.89	760	
Thyroxine, Free (FT4)																		
Initial Grouping by Reagent and Instrument																		
Abbott Cmia & Abbott Architect ci, i	1	2.4 - 4.5	S 3.43	0.35	2.6 - 5.3	S 3.94	0.45	4.6 - 6.4	S 5.52	0.31	1.1 - 1.9	S 1.49	0.13	3.0 - 5.9	S 4.42	0.49	14	
Abbott MEIA & Abbott AxSYM	2	1.3 - 2.1	S 1.69	0.12	1.9 - 2.7	S 2.32	0.14	2.1 - 3.1	S 2.60	0.17	0.8 - 1.2	S 1.00	0.08	1.8 - 2.6	S 2.22	0.14	27	
Beckman Access & Beckman Access luminometer	3	1.9 - 2.9	S 2.37	0.16	2.2 - 3.1	S 2.64	0.16	2.6 - 3.7	S 3.15	0.19	1.1 - 1.6	S 1.36	0.09	2.4 - 3.2	S 2.78	0.13	87	
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	4	1.6 - 2.3	S 1.95	0.12	1.9 - 2.6	S 2.28	0.11	2.5 - 3.7	S 3.13	0.20	0.7 - 1.3	S 1.02	0.09	2.0 - 2.9	S 2.46	0.15	45	
Dade Behring & Siemens Dimension ser	5	2.9 - 3.9	S 3.38	0.16	3.1 - 4.7	S 3.89	0.28	3.9 - 5.3	S 4.59	0.23	0.9 - 2.4	S 1.68	0.25	3.1 - 5.0	S 4.06	0.32	14	
Dade Behring & Siemens Dimension Xpand	6	2.7 - 4.2	S 3.45	0.25	2.9 - 4.9	S 3.90	0.34	3.9 - 5.3	S 4.58	0.24	1.2 - 2.1	S 1.66	0.16	3.1 - 5.1	S 4.12	0.33	12	
DiaSorin GammaCoat 1-Step & All gamma counters	7	1.0 - 2.2	S 1.61	0.21	0.8 - 2.8	S 1.79	0.33	2.0 - 3.6	S 2.82	0.26	0.2 - 1.0	S 0.59	0.13	1.2 - 3.0	S 2.10	0.30	34	
J&J Vitros & J&J Vitros ECi	8	6.1 - 7.2	S 6.67	0.19	6.8 - 7.1	S 6.94	0.05	6.8 - 7.1	S 6.94	0.05	3.7 - 4.7	S 4.20	0.18	6.8 - 7.1	S 6.94	0.05	16	
Roche Elecsys & Roche Elecsys series	9	2.4 - 3.5	S 2.98	0.18	2.6 - 4.1	S 3.36	0.24	3.7 - 5.7	S 4.73	0.33	1.2 - 2.0	S 1.61	0.12	2.9 - 4.4	S 3.65	0.26	19	
Roche Elecsys & Roche Cobas 6000	10	2.8 - 3.3	S 3.06	0.10	3.2 - 3.8	S 3.48	0.10	4.2 - 5.5	S 4.82	0.22	1.5 - 1.9	S 1.66	0.07	3.5 - 4.1	S 3.77	0.11	10	
Siemens Coat-A-Count & All gamma counters	11	0.8 - 1.6	S 1.23	0.13	0.7 - 2.2	S 1.47	0.24	1.6 - 3.1	S 2.32	0.25	0.3 - 0.8	S 0.54	0.08	1.2 - 2.2	S 1.66	0.17	23	
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	12	2.0 - 3.2	S 2.59	0.21	2.2 - 3.8	S 3.00	0.26	2.5 - 4.7	S 3.61	0.37	1.2 - 2.0	S 1.60	0.12	2.2 - 4.0	S 3.08	0.30	15	
Siemens Dimension & Siemens Dimension ser	13	2.5 - 4.0	S 3.22	0.24	2.9 - 4.4	S 3.66	0.25	3.6 - 5.4	S 4.48	0.31	1.0 - 2.0	S 1.50	0.16	2.9 - 4.6	S 3.78	0.28	10	
Siemens Dimension & Siemens Dimension Xpand	14	2.6 - 4.3	S 3.45	0.29	3.1 - 4.6	S 3.85	0.26	3.9 - 5.3	S 4.62	0.23	1.2 - 2.1	S 1.64	0.16	3.1 - 5.0	S 4.07	0.32	37	
Siemens Immulite (1-step) & Siemens Immulite 2000	15	2.4 - 3.2	S 2.84	0.13	2.8 - 3.5	S 3.14	0.12	3.4 - 4.4	S 3.89	0.17	1.5 - 2.0	S 1.73	0.09	2.9 - 3.7	S 3.32	0.13	22	
Siemens Immulite (1-step) & Siemens Immulite 1000	16	2.5 - 3.6	S 3.07	0.18	2.6 - 4.1	S 3.36	0.24	3.2 - 5.3	S 4.25	0.34	1.4 - 2.3	S 1.84	0.15	2.8 - 4.3	S 3.58	0.24	23	
Siemens Immulite (analog) & Siemens Immulite 2000	17	2.3 - 3.4	S 2.86	0.18	2.3 - 4.1	S 3.22	0.30	3.2 - 4.6	S 3.89	0.25	1.4 - 2.1	S 1.77	0.11	3.0 - 3.8	S 3.38	0.13	12	
Tosoh AIA & Tosoh Medics AIA	18	3.1 - 4.5	S 3.76	0.23	3.6 - 5.1	S 4.37	0.26	4.6 - 6.4	S 5.48	0.29	1.4 - 2.5	S 1.98	0.18	3.9 - 5.4	S 4.63	0.24	20	
Tosoh AIA & Tosoh Medics ST AIA	19	3.3 - 4.5	S 3.88	0.21	3.8 - 5.2	S 4.50	0.22	4.7 - 6.8	S 5.76	0.35	1.7 - 2.4	S 2.06	0.10	3.9 - 5.7	S 4.79	0.31	20	
Siemens Dimension LOCI & Siemens Dimension EXL	20	2.5 - 3.2	S 2.85	0.12	3.0 - 3.8	S 3.39	0.14	4.1 - 5.1	S 4.56	0.17	1.2 - 1.7	S 1.44	0.07	3.1 - 4.0	S 3.58	0.14	16	
Initial Grouping by Reagent																		
Abbott Cmia	21	2.4 - 4.5	S 3.43	0.35	2.6 - 5.3	S 3.94	0.45	4.6 - 6.4	S 5.52	0.31	1.1 - 1.9	S 1.49	0.13	3.6 - 5.0	S 4.30	0.23	14	

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Dimension Xpand	9	7.4 - 11.1	P	9.27	0.56	8.5 - 12.7	P	10.60	0.45	12.5 - 18.7	P	15.59	0.63	3.2 - 5.2	C	4.20	0.36	9.4 - 14.1	P	11.75	0.39	21
Siemens Immulite & Siemens Immulite 2000	10	7.0 - 10.5	P	8.78	0.54	8.1 - 12.2	P	10.16	0.67	11.3 - 16.9	P	14.07	0.93	2.6 - 4.6	C	3.62	0.32	8.7 - 13.1	P	10.91	0.98	22
Siemens Immulite & Siem Immulite/Immulite 1000	11	7.6 - 11.4	P	9.49	0.67	8.9 - 13.3	P	11.11	0.86	12.6 - 18.9	P	15.76	1.13	3.0 - 5.0	C	4.02	0.51	9.9 - 14.8	P	12.32	1.25	16
Tosoh AIA & Tosoh Medics AIA	12	7.5 - 11.3	P	9.38	0.92	8.6 - 12.9	P	10.73	1.08	12.3 - 18.5	P	15.40	2.19	3.3 - 5.3	C	4.28	0.52	9.9 - 14.8	P	12.33	1.54	13
Initial Grouping by Reagent																						
Abbott CMIA	13	8.3 - 12.5	P	10.42	0.93	9.9 - 14.8	P	12.35	0.49	14.2 - 21.3	P	17.75	1.56	3.7 - 5.7	C	4.65	0.49	11.1 - 16.6	P	13.82	0.50	11
Abbott FPIA	14	6.8 - 10.2	P	8.48	0.48	7.7 - 11.6	P	9.65	0.55	10.8 - 16.3	P	13.55	0.69	3.4 - 5.4	C	4.35	0.54	8.6 - 12.8	P	10.71	0.43	13
Beckman Access	15	7.7 - 11.6	P	9.68	0.60	9.0 - 13.6	P	11.29	0.77	11.5 - 17.2	P	14.37	0.91	4.0 - 6.0	C	4.96	0.37	9.5 - 14.2	P	11.86	0.82	61
bioMerieux Vidas	16	6.8 - 10.2	P	8.51	0.58	7.9 - 11.8	P	9.84	0.67	9.7 - 14.6	P	12.16	1.01	4.0 - 6.0	C	4.96	0.36	8.3 - 12.4	P	10.36	0.61	17
J&J Vitros	17	8.7 - 13.1	P	10.90	1.15	10.3 - 15.4	P	12.86	1.24	15.1 - 22.7	P	18.88	0.98	3.8 - 5.8	C	4.77	0.46	11.6 - 17.4	P	14.48	1.06	14
Roche Elecsys	18	6.9 - 10.3	P	8.61	0.64	7.9 - 11.8	P	9.84	0.65	11.3 - 17.0	P	14.18	0.90	3.2 - 5.2	C	4.24	0.43	8.6 - 13.0	P	10.79	0.72	19
Siemens ADVIA Centaur/IMS	19	6.4 - 9.6	P	7.99	0.68	7.3 - 11.0	P	9.14	0.79	9.9 - 14.8	P	12.36	1.07	2.5 - 4.5	C	3.47	0.47	8.0 - 12.1	P	10.06	0.93	19
Siemens Dimension	20	7.4 - 11.1	P	9.24	0.57	8.5 - 12.8	P	10.63	0.56	12.5 - 18.7	P	15.57	0.62	3.2 - 5.2	C	4.23	0.41	9.4 - 14.1	P	11.79	0.46	54
Siemens Immulite	21	7.3 - 10.9	P	9.09	0.69	8.5 - 12.7	P	10.60	0.88	11.8 - 17.8	P	14.79	1.32	2.8 - 4.8	C	3.82	0.46	9.2 - 13.8	P	11.51	1.25	41
Tosoh AIA	22	7.8 - 11.7	P	9.74	1.16	8.8 - 13.3	P	11.05	1.12	12.7 - 19.1	P	15.89	1.97	3.4 - 5.4	C	4.43	0.52	10.0 - 15.0	P	12.49	1.31	23
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	23	7.0 - 10.5	P	8.74	0.85	8.1 - 12.2	P	10.14	1.09	11.2 - 16.8	P	14.01	1.67	2.7 - 4.7	C	3.72	0.50	8.8 - 13.3	P	11.05	1.33	61
Low moderate recovery meths	24	7.4 - 11.1	P	9.21	1.29	8.5 - 12.8	P	10.68	1.58	11.8 - 17.7	P	14.71	2.77	3.6 - 5.6	C	4.63	0.52	9.3 - 13.9	P	11.61	1.87	52
Moderate recovery methods	25	7.5 - 11.2	P	9.36	0.94	8.6 - 12.9	P	10.74	0.99	12.4 - 18.6	P	15.50	1.68	3.3 - 5.3	C	4.32	0.49	9.6 - 14.3	P	11.96	1.12	106
High moderate recovery meth	26	6.8 - 10.3	P	8.55	0.71	8.0 - 12.0	P	10.01	0.53	12.1 - 18.2	P	15.13	1.02	2.8 - 4.8	C	3.81	0.55	8.9 - 13.3	P	11.07	0.67	15
High recovery methods	27	7.7 - 11.6	P	9.68	0.60	9.0 - 13.6	P	11.29	0.77	11.5 - 17.2	P	14.37	0.91	4.0 - 6.0	C	4.96	0.37	9.5 - 14.2	P	11.86	0.82	61
Total Population																						
Whole Population	28	7.3 - 11.0	P	9.19	0.92	8.5 - 12.8	P	10.65	1.09	11.8 - 17.7	P	14.72	1.78	3.4 - 5.4	C	4.37	0.61	9.3 - 13.9	P	11.60	1.25	303

Triiodothyronine, Total (TT3)

Initial Grouping by Reagent and Instrument																						
Beckman Access & Beckman Access luminometer	1	1.19 - 1.89	S	1.542	0.118	1.44 - 2.2	S	1.820	0.127	1.56 - 3.03	S	2.294	0.246	0.65 - 1.15	S	0.904	0.083	1.54 - 2.29	S	1.916	0.125	25
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	2	1.07 - 1.59	S	1.330	0.086	1.34 - 1.94	S	1.641	0.100	1.77 - 2.36	S	2.062	0.098	0.55 - 0.92	S	0.735	0.060	1.4 - 2.04	S	1.721	0.106	17
DiaSorin GammaCoat & All gamma counters	3	1.11 - 2.17	S	1.637	0.176	1.41 - 2.31	S	1.856	0.150	1.61 - 3.63	S	2.620	0.338	0.37 - 0.94	S	0.654	0.094	1.63 - 2.46	S	2.045	0.138	25
Roche Elecsys & Roche Elecsys series	4	1.12 - 1.71	S	1.416	0.099	1.27 - 2.01	S	1.638	0.123	1.72 - 2.43	S	2.072	0.119	0.62 - 1.16	S	0.890	0.091	1.45 - 2.05	S	1.748	0.100	12
Siemens Coat-A-Count & All gamma counters	5	1.02 - 1.52	S	1.274	0.083	1.21 - 1.74	S	1.475	0.090	1.67 - 2.59	S	2.126	0.153	0.37 - 0.72	S	0.544	0.058	1.38 - 1.75	S	1.563	0.062	11
Siemens Advia & Siemens Centaur/Centaur CP	6	0.88 - 1.37	S	1.128	0.081	1.02 - 1.74	S	1.380	0.119	1.3 - 2.17	S	1.733	0.145	0.44 - 0.84	S	0.639	0.068	1.07 - 1.82	S	1.442	0.125	12
Siemens Immulite & Siemens Immulite 2000	7	0.7 - 1.17	S	0.935	0.080	0.96 - 1.36	S	1.160	0.066	1.14 - 1.68	S	1.409	0.090	0.31 - 0.68	S	0.494	0.061	0.89 - 1.43	S	1.160	0.089	22

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Siemens Immulite & Siem Immulite/Immunitite 1000	8	0.66 - 1.3	S 0.979	0.108	0.75 - 1.71	S 1.227	0.160		1.17 - 1.7	S 1.434	0.090		0.33 - 0.69	S 0.506	0.060		0.98 - 1.46	S 1.219	0.081	10		
Initial Grouping by Reagent																						
Beckman Access	9	1.14 - 2.0	S 1.568	0.143	1.4 - 2.3	S 1.847	0.150		1.54 - 3.12	S 2.331	0.263		0.63 - 1.21	S 0.924	0.096		1.53 - 2.35	S 1.939	0.137	29		
bioMerieux Vidas	10	1.07 - 1.59	S 1.330	0.086	1.34 - 1.94	S 1.641	0.100		1.77 - 2.36	S 2.062	0.098		0.55 - 0.92	S 0.735	0.060		1.4 - 2.04	S 1.721	0.106	17		
DiaSorin GammaCoat	11	1.11 - 2.17	S 1.637	0.176	1.41 - 2.31	S 1.856	0.150		1.61 - 3.63	S 2.620	0.338		0.37 - 0.94	S 0.654	0.094		1.63 - 2.46	S 2.045	0.138	25		
Roche Elecsys	12	1.08 - 1.78	S 1.430	0.116	1.26 - 2.04	S 1.651	0.131		1.64 - 2.53	S 2.088	0.149		0.59 - 1.18	S 0.887	0.098		1.38 - 2.11	S 1.749	0.122	24		
Siemens Coat-A-Count	13	1.02 - 1.52	S 1.274	0.083	1.21 - 1.74	S 1.475	0.090		1.67 - 2.59	S 2.126	0.153		0.37 - 0.72	S 0.544	0.058		1.38 - 1.75	S 1.563	0.062	11		
Siemens Advia	14	0.9 - 1.35	S 1.128	0.075	1.05 - 1.71	S 1.382	0.110		1.33 - 2.14	S 1.732	0.135		0.44 - 0.83	S 0.638	0.064		1.08 - 1.79	S 1.439	0.119	14		
Siemens Dimension	15	0.77 - 1.82	S 1.295	0.174	0.95 - 2.22	S 1.587	0.211		1.45 - 2.86	S 2.159	0.235		0.3 - 1.4	S 0.848	0.184		0.94 - 2.52	S 1.728	0.264	10		
Siemens Immulite	16	0.68 - 1.23	S 0.952	0.092	0.85 - 1.5	S 1.178	0.109		1.12 - 1.71	S 1.417	0.098		0.32 - 0.67	S 0.496	0.059		0.9 - 1.46	S 1.178	0.093	35		
Tosoh AIA	17	1.48 - 9.15	S 5.319	1.278	1.37 - 11.75	S 6.560	1.729		2.82 - 11.47	S 7.143	1.442		0.87 - 7.26	S 4.063	1.066		1.58 - 11.97	S 6.771	1.732	10		
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meths	18	0.42 - 2.03	S 1.225	0.268	0.59 - 2.35	S 1.468	0.294		0.61 - 3.12	S 1.866	0.417		0.07 - 1.31	S 0.688	0.207		0.55 - 2.5	S 1.525	0.327	111		
Moderate recovery methods	19	0.82 - 2.18	S 1.497	0.227	1.16 - 2.33	S 1.747	0.195		1.15 - 3.58	S 2.366	0.406		0.4 - 0.97	S 0.685	0.096		1.19 - 2.59	S 1.888	0.233	44		
High moderate recovery meth	20	0.96 - 1.98	S 1.467	0.170	1.15 - 2.22	S 1.685	0.177		1.08 - 3.28	S 2.183	0.366		0.59 - 1.18	S 0.882	0.099		1.08 - 2.54	S 1.807	0.244	26		
High recovery methods	21	1.99 - 8.08	S 5.034	1.015	1.37 - 11.75	S 6.560	1.729		2.82 - 11.47	S 7.143	1.442		0.87 - 7.26	S 4.063	1.066		1.58 - 11.97	S 6.771	1.732	10		
Total Population																						
Whole Population	22	0.78 - 2.05	S 1.416	0.213	1.01 - 2.31	S 1.659	0.217		1.17 - 3.19	S 2.183	0.336		0.47 - 1.2	S 0.832	0.122		1.06 - 2.51	S 1.787	0.242	205		

T-Uptake % of Total

Initial Grouping by Reagent and Instrument

Beckman Access & Beckman Access luminometer	1	40.0 - 54.0	S 47.2	2.3	41.0 - 57.0	S 48.9	2.7		39.0 - 54.0	S 46.4	2.5		42.0 - 58.0	S 50.1	2.7		40.0 - 54.0	S 47.2	2.4	48
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	2	36.0 - 50.0	S 42.9	2.3	38.0 - 48.0	S 43.0	1.8		31.0 - 44.0	S 37.3	2.1		44.0 - 57.0	S 50.5	2.1		36.0 - 45.0	S 40.3	1.4	12
Siemens Dimension & Siemens Dimension Xpand	3	38.0 - 51.0	S 44.8	2.2	40.0 - 51.0	S 45.5	1.7		40.0 - 52.0	S 45.8	2.0		38.0 - 50.0	S 44.2	2.1		41.0 - 50.0	S 45.5	1.6	17
Siemens Immulite & Siemens Immulite 2000	4	35.0 - 47.0	S 41.1	2.0	37.0 - 49.0	S 43.2	2.1		36.0 - 51.0	S 43.6	2.4		36.0 - 49.0	S 42.2	2.1		37.0 - 46.0	S 41.9	1.5	20
Tosoh AIA & Tosoh Medics ST AIA	5	39.0 - 48.0	S 43.6	1.5	42.0 - 47.0	S 44.8	0.8		36.0 - 51.0	S 43.6	2.5		41.0 - 49.0	S 45.3	1.3		41.0 - 47.0	S 44.4	1.0	10
Initial Grouping by Reagent																				
Beckman Access	6	40.0 - 54.0	S 47.1	2.3	40.0 - 57.0	S 48.6	2.8		39.0 - 54.0	S 46.3	2.5		42.0 - 58.0	S 50.0	2.7		39.0 - 55.0	S 47.0	2.6	55
Siemens ADVIA Centaur/IMS	7	36.0 - 49.0	S 42.8	2.2	38.0 - 49.0	S 43.2	1.9		31.0 - 43.0	S 37.4	2.0		43.0 - 59.0	S 50.9	2.5		36.0 - 45.0	S 40.4	1.4	13
Siemens Dimension	8	38.0 - 51.0	S 44.7	2.1	40.0 - 50.0	S 44.9	1.7		39.0 - 51.0	S 45.2	1.9		38.0 - 49.0	S 43.7	1.9		40.0 - 50.0	S 45.0	1.7	41
Siemens Immulite	9	35.0 - 48.0	S 41.6	2.1	36.0 - 51.0	S 43.4	2.4		36.0 - 51.0	S 43.3	2.5		35.0 - 50.0	S 42.8	2.5		36.0 - 48.0	S 42.3	2.0	32
Tosoh AIA	10	39.0 - 49.0	S 43.7	1.6	42.0 - 48.0	S 45.1	0.9		37.0 - 50.0	S 43.5	2.2		40.0 - 53.0	S 46.4	2.2		41.0 - 49.0	S 44.8	1.3	17

Initial Grouping by Sensitivity or Principle

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Low moderate recovery meths	11	37.0 - 52.0	S 44.5	2.6		38.0 - 53.0	S 45.3	2.5		25.0 - 60.0	S 42.8	5.8		34.0 - 62.0	S 48.0	4.6		33.0 - 55.0	S 44.1	3.7		30
Moderate recovery methods	12	35.0 - 49.0	S 42.0	2.4		36.0 - 52.0	S 43.8	2.6		36.0 - 52.0	S 43.7	2.7		35.0 - 51.0	S 43.0	2.6		36.0 - 50.0	S 42.8	2.4		36
High moderate recovery meth	13	38.0 - 51.0	S 44.7	2.2		40.0 - 51.0	S 45.2	1.9		38.0 - 51.0	S 44.8	2.1		36.0 - 53.0	S 44.9	2.8		40.0 - 50.0	S 45.1	1.6		62
Very high recovery methods	14	40.0 - 54.0	S 47.1	2.3		40.0 - 57.0	S 48.6	2.8		39.0 - 54.0	S 46.3	2.5		42.0 - 58.0	S 50.0	2.7		39.0 - 55.0	S 47.0	2.6		55
Total Population																						
Whole Population	15	35.0 - 55.0	S 45.0	3.3		36.0 - 56.0	S 46.1	3.2		34.0 - 55.0	S 44.6	3.6		33.0 - 61.0	S 46.9	4.6		36.0 - 55.0	S 45.1	3.2		201

T-Uptake Ratio to Normal

Initial Grouping by Sensitivity or Principle

Other	1	0.23 - 0.85	S 0.543	0.103	0.34 - 0.7	S 0.518	0.060	0.25 - 0.68	S 0.469	0.072	0.0 - 1.28	S 0.614	0.222	0.36 - 0.67	S 0.514	0.052	14
Total Population																	
Whole Population	2	0.0 - 2.68	S 0.658	0.673	0.0 - 3.08	S 0.674	0.802	0.0 - 3.47	S 0.741	0.911	0.0 - 1.62	S 0.542	0.358	0.0 - 2.89	S 0.686	0.736	24