



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	53.0 - 110.9	S	81.91	9.65	42.9 - 94.5	S	68.70	8.60	122.9 - 336.1	S	229.50	35.54	66.2 - 160.8	S	113.46	15.77	57.6 - 147.2	S	102.42	14.93	11
Initial Grouping by Sensitivity or Principle																						
All Siemens Methods	2	65.9 - 103.0	S	84.44	6.19	44.8 - 95.0	S	69.88	8.36	130.4 - 340.5	S	235.44	35.02	70.4 - 160.4	S	115.40	15.00	60.6 - 149.2	S	104.88	14.76	13
Total Population																						
Whole Population	3	44.5 - 121.8	S	83.14	12.87	39.3 - 100.3	S	69.80	10.17	105.3 - 370.4	S	237.84	44.20	63.8 - 170.9	S	117.34	17.86	39.7 - 168.5	S	104.08	21.48	26
Amylase																						
Initial Grouping by Reagent and Instrument																						
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	95.0 - 177.0	P	136.2	3.5	252.0 - 468.0	P	360.3	8.6	129.0 - 239.0	P	184.1	4.2	182.0 - 338.0	P	260.1	6.4	340.0 - 631.0	P	485.1	11.0	21
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	85.0 - 159.0	P	121.9	8.6	241.0 - 447.0	P	344.2	26.2	123.0 - 228.0	P	175.1	13.5	174.0 - 323.0	P	248.6	18.5	329.0 - 610.0	P	469.4	34.7	14
Beckman AMY & Beckman Unicel DXC series	3	68.0 - 127.0	P	97.7	26.6	179.0 - 332.0	P	255.1	89.5	95.0 - 176.0	P	135.1	35.8	128.0 - 238.0	P	183.1	60.6	240.0 - 447.0	P	343.5	124.0	16
Carolina & Beckman Synchron CX3/7/9/L	4	149.0 - 276.0	P	212.4	11.4	380.0 - 706.0	P	543.2	26.4	199.0 - 369.0	P	283.7	12.6	277.0 - 514.0	P	395.3	19.3	508.0 - 944.0	P	725.9	37.1	11
J&J Vitros & J&J Vitros not DT or ECi	5	34.0 - 64.0	P	49.1	3.7	92.0 - 171.0	P	131.2	4.7	48.0 - 89.0	P	68.8	3.9	66.0 - 122.0	P	94.1	3.6	125.0 - 232.0	P	178.2	7.1	51
J&J Vitros & J&J Vitros 5,1 FS	6	33.0 - 61.0	P	47.2	4.2	92.0 - 171.0	P	131.9	4.8	51.0 - 94.0	P	72.5	4.8	65.0 - 121.0	P	93.1	5.4	121.0 - 225.0	P	172.8	8.5	19
Beckman Olympus & Beckm Olym AU 400/600/5400	7	72.0 - 133.0	P	102.2	4.6	199.0 - 370.0	P	284.7	12.0	97.0 - 180.0	P	138.7	5.5	142.0 - 263.0	P	202.6	8.9	268.0 - 497.0	P	382.3	17.6	44
Roche Cobas alpha-amylase & Roche Cobas Integra	8	79.0 - 146.0	P	112.5	2.2	210.0 - 390.0	P	300.2	6.0	110.0 - 204.0	P	156.7	3.1	152.0 - 283.0	P	217.5	4.0	282.0 - 524.0	P	403.0	9.7	19
Siemens & Siemens Advia series	9	78.0 - 145.0	P	111.6	4.4	211.0 - 392.0	P	301.3	11.9	109.0 - 203.0	P	156.2	5.9	153.0 - 284.0	P	218.5	7.5	285.0 - 528.0	P	406.5	15.4	11
Siemens Dimension & Siemens Dimension Rxl	10	97.0 - 180.0	P	138.4	5.3	272.0 - 506.0	P	389.2	10.9	131.0 - 244.0	P	187.4	6.2	192.0 - 357.0	P	274.5	10.4	365.0 - 678.0	P	521.8	19.6	18
Siemens Dimension & Siemens Dimension EXL	11	97.0 - 181.0	P	139.2	3.6	274.0 - 508.0	P	390.7	9.8	133.0 - 246.0	P	189.3	4.3	195.0 - 361.0	P	278.0	6.0	371.0 - 690.0	P	530.4	10.2	25

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	97.0 - 181.0	P	139.1	3.1	274.0 - 508.0	P	391.1	8.4	133.0 - 246.0	P	189.3	3.9	194.0 - 360.0	P	277.1	6.7	370.0 - 688.0	P	529.0	13.2	40
Siemens Dimension & Siemens Dimension Xpand	13	98.0 - 181.0	P	139.6	4.1	276.0 - 513.0	P	394.3	9.2	133.0 - 247.0	P	189.8	4.9	195.0 - 363.0	P	279.1	6.9	372.0 - 691.0	P	531.5	13.5	66
Beckman AMY7 & Beckman Unicel DXC series	14	83.0 - 155.0	P	119.2	3.5	226.0 - 421.0	P	323.6	9.5	116.0 - 216.0	P	166.1	4.9	163.0 - 303.0	P	233.3	6.6	307.0 - 569.0	P	437.9	14.3	36
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	15	95.0 - 177.0	P	136.2	3.5	252.0 - 468.0	P	360.3	8.6	129.0 - 239.0	P	184.1	4.2	182.0 - 338.0	P	260.1	6.4	340.0 - 631.0	P	485.1	11.0	21
Alfa Wassermann	16	85.0 - 159.0	P	121.9	8.6	241.0 - 447.0	P	344.2	26.2	123.0 - 228.0	P	175.1	13.5	174.0 - 323.0	P	248.6	18.5	329.0 - 610.0	P	469.4	34.7	14
Beckman AMY	17	66.0 - 122.0	P	93.7	25.6	170.0 - 315.0	P	242.7	86.0	91.0 - 169.0	P	129.6	34.5	123.0 - 229.0	P	175.9	57.8	229.0 - 426.0	P	327.7	118.9	20
Carolina	18	148.0 - 275.0	P	211.8	11.5	380.0 - 706.0	P	543.0	25.0	201.0 - 373.0	P	287.1	13.6	279.0 - 518.0	P	398.4	17.4	512.0 - 950.0	P	730.9	33.5	18
DCL/Genzyme	19	82.0 - 152.0	P	116.9	10.6	232.0 - 431.0	P	331.8	30.1	118.0 - 219.0	P	168.1	15.8	163.0 - 302.0	P	232.5	19.7	306.0 - 568.0	P	436.9	36.9	10
J&J Vitros	20	34.0 - 63.0	P	48.7	3.9	92.0 - 171.0	P	131.6	5.4	49.0 - 91.0	P	70.2	4.7	66.0 - 122.0	P	94.0	4.1	124.0 - 230.0	P	177.1	8.4	82
Beckman Olympus	21	72.0 - 133.0	P	102.6	4.7	200.0 - 372.0	P	285.9	12.5	97.0 - 180.0	P	138.7	5.4	142.0 - 264.0	P	203.2	9.0	269.0 - 499.0	P	383.9	17.9	50
Roche Cobas alpha-amylase	22	79.0 - 146.0	P	112.2	2.5	209.0 - 389.0	P	299.1	6.1	110.0 - 204.0	P	157.0	3.8	152.0 - 283.0	P	217.4	4.8	281.0 - 522.0	P	401.9	10.3	35
Roche/Hitachi alpha-amylase	23	77.0 - 143.0	P	109.7	3.0	207.0 - 384.0	P	295.3	4.0	109.0 - 202.0	P	155.3	5.1	150.0 - 278.0	P	213.6	4.5	278.0 - 516.0	P	397.0	10.7	11
Siemens	24	78.0 - 145.0	P	111.6	4.4	211.0 - 392.0	P	301.3	11.9	109.0 - 203.0	P	156.2	5.9	153.0 - 284.0	P	218.5	7.5	285.0 - 528.0	P	406.5	15.4	11
Siemens Dimension	25	97.0 - 181.0	P	139.2	3.9	275.0 - 510.0	P	392.2	9.4	132.0 - 246.0	P	189.3	4.7	194.0 - 361.0	P	277.7	7.4	371.0 - 688.0	P	529.4	14.0	150
Beckman AMY7	26	84.0 - 155.0	P	119.5	3.8	227.0 - 421.0	P	323.9	10.1	117.0 - 217.0	P	166.6	5.3	163.0 - 304.0	P	233.5	7.2	306.0 - 569.0	P	437.8	14.7	43
Initial Grouping by Sensitivity or Principle																						
Extremely low recovery meth	27	53.0 - 99.0	P	75.9	33.2	143.0 - 265.0	P	203.6	91.0	75.0 - 139.0	P	106.7	44.9	103.0 - 191.0	P	146.9	65.6	192.0 - 356.0	P	274.1	123.5	149
Low moderate recovery meth	28	73.0 - 136.0	P	104.5	6.2	203.0 - 376.0	P	289.3	14.4	100.0 - 185.0	P	142.3	9.2	145.0 - 268.0	P	206.5	11.2	272.0 - 505.0	P	388.8	20.3	62
Moderate recovery methods	29	84.0 - 156.0	P	120.0	24.0	224.0 - 417.0	P	320.6	33.2	115.0 - 213.0	P	163.9	15.0	161.0 - 299.0	P	230.0	22.2	301.0 - 559.0	P	430.0	43.0	41
High moderate recovery meth	30	100.0 - 186.0	P	143.0	21.7	277.0 - 515.0	P	396.1	48.7	136.0 - 254.0	P	195.0	28.6	198.0 - 367.0	P	282.7	37.2	375.0 - 696.0	P	535.0	64.8	214
All other methods	31	79.0 - 146.0	P	112.2	2.5	209.0 - 389.0	P	299.1	6.1	110.0 - 204.0	P	157.0	3.8	152.0 - 283.0	P	217.4	4.8	281.0 - 522.0	P	401.9	10.3	35
Total Population																						
Whole Population	32	87.0 - 161.0	P	124.2	15.8	241.0 - 448.0	P	344.3	45.9	120.0 - 222.0	P	170.8	20.6	172.0 - 319.0	P	245.6	31.8	325.0 - 604.0	P	464.7	61.8	515

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	8.0 - 12.0	P 10.0	0.6	7.0 - 12.0	P 9.5	0.5	14.0 - 23.0	P 18.6	1.0	9.0 - 15.0	P 12.2	0.9	9.0 - 15.0	P 11.6	0.7	11					
Siemens Immulite & Siemens Immulite 2000	2	7.0 - 12.0	P 9.9	1.1	8.0 - 13.0	P 10.1	0.8	14.0 - 24.0	P 19.2	1.2	9.0 - 15.0	P 12.2	1.0	9.0 - 15.0	P 12.0	0.7	16					
Initial Grouping by Reagent																						
Beckman Access luminometric	3	7.0 - 12.0	P 9.8	0.8	7.0 - 12.0	P 9.6	0.6	14.0 - 23.0	P 18.7	1.3	9.0 - 15.0	P 12.3	1.0	9.0 - 14.0	P 11.6	1.0	15					
Roche Elecsys	4	7.0 - 11.0	P 8.9	0.7	6.0 - 10.0	P 8.3	0.7	14.0 - 23.0	P 18.2	1.1	8.0 - 14.0	P 11.0	0.8	8.0 - 13.0	P 10.4	0.7	10					
Siemens Immulite	5	8.0 - 12.0	P 10.0	0.9	8.0 - 13.0	P 10.1	0.8	15.0 - 24.0	P 19.4	1.4	9.0 - 15.0	P 12.3	1.0	9.0 - 15.0	P 12.1	0.8	28					
Initial Grouping by Sensitivity or Principle																						
Luminometric	6	7.0 - 12.0	P 9.8	1.0	7.0 - 12.0	P 9.7	1.0	14.0 - 24.0	P 19.1	1.4	9.0 - 15.0	P 12.1	1.1	9.0 - 15.0	P 11.6	1.1	58					
Radiometric	7	7.0 - 12.0	P 9.3	0.9	7.0 - 11.0	P 8.9	1.1	14.0 - 24.0	P 18.9	2.1	8.0 - 14.0	P 11.3	1.1	8.0 - 14.0	P 10.9	1.2	10					
Total Population																						
Whole Population	8	7.0 - 12.0	P 9.7	1.0	7.0 - 12.0	P 9.5	1.1	14.0 - 24.0	P 18.9	1.6	9.0 - 15.0	P 11.9	1.1	9.0 - 14.0	P 11.4	1.2	82					

Creatine Kinase, Total (CK or CPK)

Initial Grouping by Reagent and Instrument																					
Abbott & Abbott Architect c, ci, i	1	116.0 - 216.0	P 166.4	5.2	72.0 - 133.0	P 102.3	3.3	298.0 - 553.0	P 425.7	16.4	140.0 - 261.0	P 200.7	5.2	91.0 - 169.0	P 129.7	5.2	22				
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	106.0 - 196.0	P 150.8	9.1	65.0 - 121.0	P 92.8	8.3	253.0 - 470.0	P 361.2	38.2	125.0 - 231.0	P 178.0	8.9	83.0 - 154.0	P 118.5	13.0	15				
Beckman & Beckman Unicel DXC series	3	125.0 - 232.0	P 178.6	9.3	77.0 - 143.0	P 109.9	5.8	310.0 - 577.0	P 443.5	19.5	148.0 - 275.0	P 211.7	10.4	97.0 - 180.0	P 138.1	7.0	60				
Carolina & Beckman Synchron CX3/7/9/L	4	100.0 - 187.0	P 143.5	20.0	60.0 - 112.0	P 86.0	11.7	250.0 - 465.0	P 357.8	49.5	118.0 - 220.0	P 168.9	24.6	76.0 - 141.0	P 108.3	15.3	13				
J&J Vitros & J&J Vitros not DT or ECi	5	84.0 - 156.0	P 120.1	11.0	56.0 - 104.0	P 80.1	6.9	204.0 - 379.0	P 291.5	24.4	103.0 - 192.0	P 147.7	11.8	74.0 - 137.0	P 105.2	9.2	48				
J&J Vitros & J&J Vitros 5,1 FS	6	89.0 - 166.0	P 127.8	5.4	60.0 - 111.0	P 85.6	4.4	213.0 - 395.0	P 303.9	14.2	108.0 - 201.0	P 154.9	6.1	78.0 - 144.0	P 110.9	3.2	17				
Beckman Olympus & Beckm Olym AU 400/600/5400	7	105.0 - 194.0	P 149.6	8.8	63.0 - 116.0	P 89.6	4.6	264.0 - 490.0	P 377.1	19.5	124.0 - 230.0	P 176.6	9.7	80.0 - 149.0	P 114.5	6.3	46				
Roche Cobas & Roche Cobas 6000	8	116.0 - 215.0	P 165.1	8.5	70.0 - 130.0	P 100.3	4.3	293.0 - 545.0	P 418.9	16.8	137.0 - 255.0	P 195.8	7.7	89.0 - 165.0	P 127.3	5.6	10				
Roche Cobas & Roche Cobas Integra	9	107.0 - 199.0	P 153.2	7.3	66.0 - 123.0	P 94.6	4.4	269.0 - 500.0	P 384.7	16.3	128.0 - 237.0	P 182.3	7.2	84.0 - 155.0	P 119.4	5.9	16				
Siemens Advia & Siemens Advia series	10	108.0 - 200.0	P 153.6	7.0	65.0 - 121.0	P 93.3	3.7	274.0 - 509.0	P 391.2	16.4	128.0 - 238.0	P 183.0	7.7	83.0 - 155.0	P 119.0	4.8	11				
Siemens Dimension, Dim Flex & Siemens Dimension EXL	11	108.0 - 201.0	P 154.9	6.6	66.0 - 123.0	P 94.8	4.2	277.0 - 514.0	P 395.7	15.8	131.0 - 243.0	P 186.7	7.8	86.0 - 159.0	P 122.3	5.4	16				
Siemens Dimension, Dim Flex & Siemens Dimension ser	12	108.0 - 201.0	P 154.3	6.5	66.0 - 123.0	P 94.8	4.1	275.0 - 511.0	P 392.8	18.5	130.0 - 241.0	P 185.1	8.6	84.0 - 157.0	P 120.5	6.3	18				
Siemens Dimension, Dim Flex &		110.0 -			67.0 -			279.0 -			131.0 -			85.0 -							

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		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Siemens Dimension Xpand	13	205.0	P	157.4	7.2	124.0	P	95.6	4.8	518.0	P	398.3	18.5	243.0	P	186.7	7.9	158.0	P	121.9	5.7	35
Siemens Dim Flex CKI, IFCC & Siemens Dimension Rxl	14	108.0 - 200.0	P	154.2	8.3	66.0 - 123.0	P	94.4	4.9	274.0 - 508.0	P	390.8	16.9	129.0 - 240.0	P	184.9	7.7	84.0 - 157.0	P	120.4	5.9	12
Siemens Dim Flex CKI, IFCC & Siemens Dimension EXL	15	107.0 - 200.0	P	153.5	9.1	65.0 - 121.0	P	93.1	5.5	274.0 - 509.0	P	391.6	24.8	129.0 - 239.0	P	183.7	11.3	84.0 - 155.0	P	119.5	9.0	10
Siemens Dim Flex CKI, IFCC & Siemens Dimension ser	16	109.0 - 202.0	P	155.3	7.6	66.0 - 123.0	P	94.5	4.0	277.0 - 514.0	P	395.6	21.1	130.0 - 242.0	P	186.2	9.1	85.0 - 158.0	P	121.6	6.6	19
Siemens Dim Flex CKI, IFCC & Siemens Dimension Xpand	17	109.0 - 202.0	P	155.2	5.9	66.0 - 123.0	P	94.7	4.0	277.0 - 515.0	P	396.2	15.7	131.0 - 243.0	P	186.7	7.1	85.0 - 158.0	P	121.5	5.5	35
Initial Grouping by Reagent																						
Abbott	18	116.0 - 216.0	P	166.4	5.2	72.0 - 133.0	P	102.3	3.3	298.0 - 553.0	P	425.7	16.4	140.0 - 261.0	P	200.7	5.2	91.0 - 169.0	P	129.7	5.2	22
Alfa Wassermann	19	106.0 - 196.0	P	150.8	9.1	65.0 - 121.0	P	92.8	8.3	253.0 - 470.0	P	361.2	38.2	125.0 - 231.0	P	178.0	8.9	83.0 - 154.0	P	118.5	13.0	15
Beckman	20	124.0 - 230.0	P	177.1	9.5	76.0 - 142.0	P	108.9	6.1	308.0 - 572.0	P	440.0	20.4	147.0 - 273.0	P	209.8	10.7	96.0 - 178.0	P	136.8	7.3	73
Carolina	21	97.0 - 181.0	P	139.0	21.4	59.0 - 109.0	P	84.1	10.9	247.0 - 459.0	P	353.2	44.6	114.0 - 212.0	P	162.8	27.7	74.0 - 138.0	P	105.9	15.6	19
J&J Vitros	22	86.0 - 159.0	P	122.4	10.3	57.0 - 106.0	P	81.8	6.8	206.0 - 384.0	P	295.0	22.1	105.0 - 195.0	P	150.1	11.1	75.0 - 139.0	P	107.1	8.5	77
Beckman Olympus	23	104.0 - 194.0	P	149.3	8.5	63.0 - 117.0	P	89.6	4.3	264.0 - 490.0	P	376.5	18.5	123.0 - 229.0	P	176.4	9.2	80.0 - 149.0	P	114.4	6.1	52
Pointe Sci	24	95.0 - 176.0	P	135.1	17.6	58.0 - 108.0	P	83.3	10.4	242.0 - 449.0	P	345.1	45.7	114.0 - 211.0	P	162.2	18.9	74.0 - 137.0	P	105.7	12.0	14
Roche Cobas	25	110.0 - 203.0	P	156.4	11.4	67.0 - 125.0	P	96.1	5.9	277.0 - 514.0	P	395.4	26.6	130.0 - 242.0	P	186.3	11.3	85.0 - 159.0	P	122.0	7.7	32
Siemens Advia	26	108.0 - 200.0	P	153.6	7.0	65.0 - 121.0	P	93.3	3.7	274.0 - 509.0	P	391.2	16.4	128.0 - 238.0	P	183.0	7.7	83.0 - 155.0	P	119.0	4.8	11
Siemens Dimension, Dim Flex	27	109.0 - 203.0	P	156.4	6.8	67.0 - 124.0	P	95.4	4.5	278.0 - 516.0	P	396.5	17.6	131.0 - 242.0	P	186.5	8.1	85.0 - 158.0	P	121.9	5.9	76
Siemens Dim Flex CKI, IFCC	28	108.0 - 201.0	P	154.9	7.1	66.0 - 123.0	P	94.4	4.3	276.0 - 513.0	P	394.5	18.4	130.0 - 242.0	P	185.8	8.2	85.0 - 157.0	P	121.1	6.3	77
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	29	86.0 - 159.0	P	122.5	10.3	57.0 - 106.0	P	81.8	6.8	207.0 - 385.0	P	295.9	23.3	105.0 - 195.0	P	150.3	11.2	75.0 - 139.0	P	107.0	8.5	78
Low moderate recovery meths	30	102.0 - 189.0	P	145.8	14.3	62.0 - 115.0	P	88.1	7.7	258.0 - 480.0	P	369.2	32.5	121.0 - 224.0	P	172.5	17.1	79.0 - 146.0	P	112.2	10.4	98
Moderate recovery methods	31	107.0 - 200.0	P	153.5	12.5	66.0 - 123.0	P	94.7	9.6	268.0 - 498.0	P	383.1	31.7	128.0 - 237.0	P	182.5	13.4	84.0 - 156.0	P	119.8	11.3	63
High moderate recovery meth	32	106.0 - 196.0	P	150.8	9.1	65.0 - 121.0	P	92.8	8.3	253.0 - 470.0	P	361.2	38.2	125.0 - 231.0	P	178.0	8.9	83.0 - 154.0	P	118.5	13.0	15
High recovery methods	33	109.0 - 202.0	P	155.3	7.8	66.0 - 123.0	P	94.8	4.9	276.0 - 513.0	P	394.5	20.6	130.0 - 242.0	P	186.1	9.5	85.0 - 158.0	P	121.3	6.6	165
Very high recovery methods	34	119.0 - 221.0	P	170.0	14.9	73.0 - 136.0	P	104.5	9.2	299.0 - 555.0	P	426.9	31.0	142.0 - 263.0	P	202.6	16.0	92.0 - 171.0	P	131.8	10.9	114

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	35	106.0 - 197.0	P	151.8	18.2	65.0 - 122.0	P	93.5	10.0	266.0 - 494.0	P	380.0	48.5	127.0 - 236.0	P	181.4	20.5	84.0 - 155.0	P	119.5	12.1	540

Gamma-Glutamyltransferase (GGT)

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	32.0 - 52.0	C	41.7	2.1	111.0 - 167.0	P	138.9	5.1	62.0 - 94.0	P	78.1	4.5	79.0 - 118.0	P	98.5	6.2	158.0 - 237.0	P	197.8	7.3	13
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	21.0 - 41.0	C	31.4	3.1	77.0 - 116.0	P	96.4	3.9	46.0 - 68.0	P	56.9	2.9	57.0 - 86.0	P	71.4	3.5	108.0 - 163.0	P	135.5	5.1	16
Beckman & Beckman Unicel DXC series	3	34.0 - 54.0	C	43.7	3.1	115.0 - 172.0	P	143.7	6.0	64.0 - 96.0	P	80.4	4.1	83.0 - 124.0	P	103.2	5.1	161.0 - 242.0	P	201.8	7.2	44
Carolina & Beckman Synchron CX3/7/9/L	4	20.0 - 40.0	C	30.2	3.6	77.0 - 116.0	P	96.8	10.2	45.0 - 67.0	P	56.1	6.6	56.0 - 84.0	P	70.4	6.9	110.0 - 165.0	P	137.3	14.6	13
J&J Vitros & J&J Vitros not DT or ECi	5	45.0 - 67.0	P	55.9	2.1	150.0 - 225.0	P	187.3	5.9	83.0 - 125.0	P	103.9	3.6	109.0 - 163.0	P	135.8	4.3	209.0 - 314.0	P	261.7	8.4	28
J&J Vitros & J&J Vitros 5,1 FS	6	49.0 - 73.0	P	60.6	2.3	152.0 - 229.0	P	190.5	5.8	86.0 - 130.0	P	108.1	3.1	112.0 - 167.0	P	139.5	4.2	209.0 - 314.0	P	261.3	7.4	11
Beckman Olympus & Beckm Olym AU 400/600/5400	7	23.0 - 43.0	C	32.6	1.4	85.0 - 127.0	P	105.7	5.1	48.0 - 72.0	P	60.4	2.7	61.0 - 92.0	P	76.6	3.5	119.0 - 179.0	P	148.8	6.8	31
Siemens & Siemens Advia series	8	28.0 - 48.0	C	37.9	1.3	103.0 - 154.0	P	128.4	5.2	58.0 - 87.0	P	72.3	3.1	74.0 - 110.0	P	92.0	4.3	145.0 - 218.0	P	181.7	8.7	10
Siemens Dimension & Siemens Dimension Rxl	9	41.0 - 62.0	P	51.5	2.5	124.0 - 186.0	P	155.4	4.7	74.0 - 111.0	P	92.1	4.2	91.0 - 137.0	P	113.8	3.3	175.0 - 262.0	P	218.5	4.7	11
Siemens Dimension & Siemens Dimension EXL	10	42.0 - 63.0	P	52.5	2.0	126.0 - 189.0	P	157.9	2.7	75.0 - 113.0	P	93.9	2.2	93.0 - 139.0	P	116.1	2.3	177.0 - 265.0	P	221.1	3.8	15
Siemens Dimension & Siemens Dimension ser	11	42.0 - 63.0	P	52.4	2.6	126.0 - 189.0	P	157.8	4.8	75.0 - 112.0	P	93.4	3.2	93.0 - 139.0	P	115.8	3.9	178.0 - 267.0	P	222.2	5.6	20
Siemens Dimension & Siemens Dimension Xpand	12	41.0 - 62.0	P	51.8	2.5	125.0 - 188.0	P	156.7	4.9	74.0 - 111.0	P	92.8	3.5	92.0 - 138.0	P	115.0	3.8	175.0 - 263.0	P	219.3	6.4	26

Initial Grouping by Reagent

Abbott	13	32.0 - 52.0	C	41.7	2.1	111.0 - 167.0	P	138.9	5.1	62.0 - 94.0	P	78.1	4.5	80.0 - 120.0	P	99.9	4.0	158.0 - 237.0	P	197.8	7.3	13
Alfa Wassermann	14	21.0 - 41.0	C	31.4	3.1	77.0 - 116.0	P	96.4	3.9	46.0 - 68.0	P	56.9	2.9	57.0 - 86.0	P	71.4	3.5	108.0 - 161.0	P	134.5	3.6	16
Beckman	15	34.0 - 54.0	C	43.6	3.2	114.0 - 171.0	P	142.6	6.5	64.0 - 96.0	P	80.0	4.3	82.0 - 123.0	P	102.6	5.4	160.0 - 240.0	P	200.2	8.4	53
Carolina	16	20.0 - 40.0	C	29.8	3.0	76.0 - 114.0	P	94.7	6.8	44.0 - 66.0	P	54.7	4.3	55.0 - 83.0	P	68.9	4.6	107.0 - 161.0	P	133.9	9.7	20
J&J Vitros	17	46.0 - 69.0	P	57.6	3.1	151.0 - 226.0	P	188.3	5.7	84.0 - 126.0	P	105.4	3.9	110.0 - 164.0	P	136.9	4.4	209.0 - 313.0	P	261.1	7.7	47
Beckman Olympus	18	23.0 - 43.0	C	32.6	1.4	85.0 - 127.0	P	105.9	5.2	48.0 - 73.0	P	60.5	2.9	61.0 - 92.0	P	76.8	3.7	119.0 - 179.0	P	149.2	7.1	38
Roche Cobas	19	26.0 - 46.0	C	36.2	2.7	98.0 - 147.0	P	122.1	4.4	55.0 - 82.0	P	68.5	2.7	70.0 - 105.0	P	87.2	3.3	137.0 - 206.0	P	171.7	6.9	20

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Siemens	20	28.0 - 48.0	C	37.9	1.3	103.0 - 154.0	P	128.4	5.2	58.0 - 87.0	P	72.3	3.1	74.0 - 110.0	P	92.0	4.3	145.0 - 218.0	P	181.7	8.7	11
Siemens Dimension	21	42.0 - 62.0	P	52.1	2.4	126.0 - 189.0	P	157.1	4.5	74.0 - 112.0	P	93.1	3.3	92.0 - 138.0	P	115.3	3.5	176.0 - 265.0	P	220.5	5.7	73
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meth	22	23.0 - 43.0	C	32.5	2.8	83.0 - 125.0	P	104.3	8.5	48.0 - 72.0	P	60.0	4.6	61.0 - 91.0	P	76.0	5.8	117.0 - 176.0	P	146.7	11.7	73
Moderate recovery methods	23	24.0 - 44.0	C	34.5	4.7	91.0 - 136.0	P	113.5	14.9	52.0 - 78.0	P	64.8	8.4	65.0 - 98.0	P	81.7	9.7	127.0 - 191.0	P	159.4	19.8	79
High moderate recovery meth	24	27.0 - 47.0	C	37.4	3.1	100.0 - 150.0	P	124.8	11.0	56.0 - 85.0	P	70.4	6.0	72.0 - 107.0	P	89.4	6.4	141.0 - 212.0	P	176.9	15.8	17
High recovery methods	25	33.0 - 53.0	C	43.2	3.1	113.0 - 170.0	P	141.6	7.0	64.0 - 95.0	P	79.5	4.4	81.0 - 122.0	P	101.9	5.6	159.0 - 239.0	P	199.2	8.9	67
Very high recovery methods	26	43.0 - 65.0	P	54.2	3.8	135.0 - 203.0	P	169.3	16.0	78.0 - 118.0	P	97.9	7.0	99.0 - 149.0	P	123.8	11.3	189.0 - 284.0	P	236.4	21.0	120
Total Population																						
Whole Population	27	32.0 - 52.0	C	41.6	8.7	104.0 - 157.0	P	130.6	23.8	61.0 - 91.0	P	75.9	14.9	76.0 - 113.0	P	94.6	17.4	148.0 - 222.0	P	184.8	33.9	362

Human Chorionic Gonadotropin (hCG)

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	198.0 - 250.0	S	223.8	8.7	1178.0 - 1388.0	S	1283.1	35.1	603.0 - 722.0	S	662.3	19.8	804.0 - 943.0	S	873.3	23.1	1762.0 - 2036.0	S	1898.8	45.7	13
Beckman Access & Beckman Access luminometer	2	184.0 - 238.0	S	211.4	9.0	968.0 - 1825.0	S	1396.2	142.8	520.0 - 683.0	S	601.7	27.2	704.0 - 940.0	S	821.9	39.4	1544.0 - 2627.0	S	2085.5	180.6	55
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	3	175.0 - 338.0	S	256.6	27.1	899.0 - 2115.0	S	1506.8	202.6	549.0 - 1029.0	S	789.1	80.1	722.0 - 1382.0	S	1051.6	110.0	947.0 - 3450.0	S	2198.4	417.2	22
J&J Vitros ECi & J&J Vitros ECi	4	197.0 - 283.0	S	239.8	14.4	1175.0 - 1747.0	S	1460.6	95.4	575.0 - 815.0	S	694.9	39.9	803.0 - 1138.0	S	970.8	55.9	1921.0 - 2478.0	S	2199.7	92.9	13
Roche Elecsys & Roche Elecsys series	5	169.0 - 271.0	S	220.1	16.9	1007.0 - 1592.0	S	1299.4	97.6	524.0 - 803.0	S	663.1	46.5	669.0 - 1079.0	S	873.7	68.3	1491.0 - 2371.0	S	1930.8	146.7	10
Siemens Advia & Siemens Centaur/Centaur CP	6	220.0 - 267.0	S	243.1	7.8	891.0 - 1777.0	S	1334.3	147.7	518.0 - 865.0	S	691.4	57.9	741.0 - 1037.0	S	888.8	49.3	1379.0 - 2325.0	S	1851.5	157.7	14
Siemens Dimension & Siemens Dimension EXL	7	187.0 - 243.0	S	215.3	9.4	954.0 - 1674.0	S	1314.0	120.1	498.0 - 683.0	S	590.8	30.9	693.0 - 998.0	S	845.5	50.7	1536.0 - 2288.0	S	1912.1	125.5	15
Siemens Dimension & Siemens Dimension ser	8	189.0 - 243.0	S	215.9	9.0	1062.0 - 1605.0	S	1333.5	90.6	523.0 - 684.0	S	603.5	26.9	745.0 - 947.0	S	846.1	33.8	1662.0 - 2299.0	S	1980.7	106.2	13
Siemens Dimension & Siemens Dimension Xpand	9	186.0 - 244.0	S	214.7	9.7	1030.0 - 1652.0	S	1341.2	103.7	530.0 - 665.0	S	597.7	22.4	746.0 - 932.0	S	839.1	31.1	1524.0 - 2466.0	S	1995.0	157.0	26
Siemens Immulite & Siem Immulite/Immulinite 1000	10	206.0 - 340.0	S	273.2	22.3	998.0 - 2128.0	S	1562.7	188.4	621.0 - 949.0	S	785.1	54.7	793.0 - 1333.0	S	1062.8	89.9	1541.0 - 3130.0	S	2335.1	264.8	58
Siemens Immulite 2000 & Siemens Immulite 2000	11	237.0 - 360.0	S	298.4	20.6	1204.0 - 2155.0	S	1679.4	158.5	653.0 - 1041.0	S	847.4	64.7	883.0 - 1384.0	S	1133.5	83.5	1636.0 - 3187.0	S	2411.6	258.6	17
Tosoh Total b-hCG & Tosoh Medics ST AIA	12	201.0 - 265.0	S	233.1	10.8	1228.0 - 1631.0	S	1429.7	67.1	607.0 - 849.0	S	727.9	40.3	793.0 - 1187.0	S	990.2	65.7	1699.0 - 2678.0	S	2188.6	163.1	17

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Initial Grouping by Reagent																						
Abbott Architect	13	198.0 - 250.0	S	223.8	8.7	1178.0 - 1388.0	S	1283.1	35.1	603.0 - 722.0	S	662.3	19.8	804.0 - 943.0	S	873.3	23.1	1762.0 - 2036.0	S	1898.8	45.7	13
Abbott Total b-hCG	14	200.0 - 321.0	S	260.2	20.2	952.0 - 2376.0	S	1664.4	237.3	451.0 - 1072.0	S	761.1	103.5	609.0 - 1568.0	S	1088.8	159.8	1170.0 - 3728.0	S	2449.0	426.2	12
Beckman Access	15	184.0 - 237.0	S	210.9	8.9	986.0 - 1811.0	S	1398.5	137.4	522.0 - 684.0	S	603.0	27.1	673.0 - 975.0	S	824.0	50.3	1557.0 - 2611.0	S	2084.4	175.7	64
bioMerieux Vidas	16	175.0 - 338.0	S	256.6	27.1	899.0 - 2115.0	S	1506.8	202.6	549.0 - 1029.0	S	789.1	80.1	722.0 - 1382.0	S	1051.6	110.0	947.0 - 3450.0	S	2198.4	417.2	22
J&J Vitros ECi	17	204.0 - 279.0	S	241.3	12.5	1258.0 - 1632.0	S	1445.1	62.3	593.0 - 802.0	S	697.6	34.9	850.0 - 1071.0	S	960.7	36.8	1933.0 - 2438.0	S	2185.8	84.1	18
Roche Elecsys	18	176.0 - 269.0	S	222.7	15.4	1047.0 - 1581.0	S	1314.3	89.0	548.0 - 786.0	S	667.2	39.7	703.0 - 1070.0	S	886.4	61.1	1559.0 - 2362.0	S	1960.6	133.8	18
Roche HCG+b	19	185.0 - 268.0	S	226.6	13.8	1037.0 - 1582.0	S	1309.5	90.8	589.0 - 754.0	S	671.7	27.5	739.0 - 1039.0	S	889.0	50.1	1712.0 - 2237.0	S	1974.8	87.5	10
Siemens Advia	20	220.0 - 266.0	S	242.7	7.7	898.0 - 1759.0	S	1328.6	143.5	507.0 - 865.0	S	685.9	59.6	743.0 - 1031.0	S	887.1	48.0	1386.0 - 2305.0	S	1845.4	153.2	15
Siemens Dimension	21	186.0 - 246.0	S	216.1	9.9	989.0 - 1662.0	S	1325.4	112.1	513.0 - 688.0	S	600.5	29.2	725.0 - 971.0	S	848.1	41.1	1553.0 - 2401.0	S	1977.0	141.2	62
Siemens Immulite	22	207.0 - 344.0	S	275.4	22.7	1009.0 - 2141.0	S	1574.9	188.8	624.0 - 951.0	S	787.5	54.4	793.0 - 1337.0	S	1065.0	90.7	1557.0 - 3158.0	S	2357.7	266.8	65
Siemens Immulite 2000	23	237.0 - 360.0	S	298.4	20.6	1204.0 - 2155.0	S	1679.4	158.5	653.0 - 1041.0	S	847.4	64.7	883.0 - 1384.0	S	1133.5	83.5	1636.0 - 3187.0	S	2411.6	258.6	17
Tosoh Total b-hCG	24	200.0 - 264.0	S	232.1	10.7	1260.0 - 1603.0	S	1431.6	57.3	619.0 - 843.0	S	730.7	37.4	812.0 - 1165.0	S	988.3	58.7	1723.0 - 2629.0	S	2176.3	151.0	24
Initial Grouping by Sensitivity or Principle																						
Moderate recovery methods	25	168.0 - 288.0	S	227.7	20.0	893.0 - 1802.0	S	1347.4	151.5	420.0 - 899.0	S	659.7	79.8	622.0 - 1174.0	S	898.0	92.0	1320.0 - 2669.0	S	1994.3	224.8	159
High recovery methods	26	175.0 - 312.0	S	243.5	22.9	973.0 - 2058.0	S	1515.6	180.9	536.0 - 953.0	S	744.3	69.5	685.0 - 1367.0	S	1026.3	113.7	1376.0 - 3179.0	S	2277.6	300.6	37
Very high recovery methods	27	208.0 - 354.0	S	280.9	24.3	1040.0 - 2160.0	S	1600.1	186.7	618.0 - 985.0	S	801.3	61.1	802.0 - 1360.0	S	1081.3	93.0	1585.0 - 3160.0	S	2372.3	262.6	84
All other methods	28	169.0 - 266.0	S	217.8	16.1	1030.0 - 1787.0	S	1408.5	126.2	477.0 - 773.0	S	624.8	49.4	632.0 - 1077.0	S	854.2	74.2	1610.0 - 2602.0	S	2106.2	165.3	82
Total Population																						
Whole Population	29	148.0 - 329.0	S	238.5	30.2	909.0 - 1943.0	S	1425.9	172.2	420.0 - 956.0	S	688.2	89.4	580.0 - 1296.0	S	937.9	119.3	1334.0 - 2913.0	S	2123.6	263.0	371
Iron																						
Initial Grouping by Reagent and Instrument																						
Beckman Ferrozine & Beckman Unicel DXC series	1	91.0 - 136.0	P	113.2	3.8	103.0 - 155.0	P	129.0	3.5	179.0 - 268.0	P	223.3	5.4	119.0 - 179.0	P	149.2	3.9	132.0 - 197.0	P	164.5	4.2	45
Carolina & Beckman Synchron CX3/7/9/L	2	84.0 - 126.0	P	105.4	6.8	97.0 - 145.0	P	121.0	6.5	168.0 - 251.0	P	209.4	11.0	111.0 - 167.0	P	138.8	8.5	124.0 - 186.0	P	155.3	8.0	16

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
J&J Vitros & J&J Vitros not DT or ECi	3	86.0 - 128.0	P 107.1	6.5		100.0 - 149.0	P 124.4	6.9		191.0 - 287.0	P 239.3	10.2		118.0 - 177.0	P 147.2	7.2		132.0 - 198.0	P 164.9	7.9	15	
J&J Vitros & J&J Vitros 5,1 FS	4	88.0 - 133.0	P 110.5	4.5		105.0 - 157.0	P 130.8	4.4		192.0 - 288.0	P 239.9	6.2		122.0 - 183.0	P 152.8	2.9		136.0 - 205.0	P 170.6	5.1	10	
Beckman Olympus Ferene & Beckm Olym AU 400/600/5400	5	95.0 - 143.0	P 119.1	2.4		109.0 - 164.0	P 136.6	2.8		192.0 - 288.0	P 239.8	6.3		126.0 - 189.0	P 157.7	3.7		139.0 - 209.0	P 174.4	3.5	17	
Beck Oly tripyridyltriazine & Beckm Olym AU 400/600/5400	6	94.0 - 141.0	P 117.8	2.4		108.0 - 162.0	P 134.9	2.9		190.0 - 285.0	P 237.9	4.7		125.0 - 187.0	P 155.7	3.0		138.0 - 207.0	P 172.8	4.1	18	
Roche Cobas & Roche Cobas 6000	7	89.0 - 133.0	P 111.0	2.7		102.0 - 153.0	P 127.8	2.2		177.0 - 265.0	P 220.7	4.4		118.0 - 177.0	P 147.3	2.1		131.0 - 196.0	P 163.5	2.7	11	
Roche Cobas & Roche Cobas Integra	8	86.0 - 129.0	P 107.5	1.5		101.0 - 151.0	P 126.2	3.7		177.0 - 265.0	P 220.8	5.1		116.0 - 175.0	P 145.4	4.0		133.0 - 199.0	P 165.8	4.6	12	
Siemens Dimension & Siemens Dimension Rxl	9	83.0 - 125.0	P 104.4	1.3		98.0 - 146.0	P 121.9	1.3		172.0 - 258.0	P 214.7	3.5		112.0 - 169.0	P 140.5	1.8		127.0 - 191.0	P 158.8	2.5	15	
Siemens Dimension & Siemens Dimension EXL	10	85.0 - 127.0	P 105.9	3.5		98.0 - 147.0	P 122.6	2.4		172.0 - 258.0	P 215.4	3.8		113.0 - 170.0	P 141.7	1.8		128.0 - 191.0	P 159.5	2.8	11	
Siemens Dimension & Siemens Dimension ser	11	85.0 - 127.0	P 106.0	1.6		99.0 - 148.0	P 123.7	1.6		174.0 - 261.0	P 217.3	3.6		114.0 - 172.0	P 143.0	1.9		129.0 - 193.0	P 161.0	1.9	12	
Siemens Dimension & Siemens Dimension Xpand	12	84.0 - 126.0	P 105.4	1.5		98.0 - 147.0	P 122.7	1.6		173.0 - 260.0	P 216.7	3.3		114.0 - 170.0	P 142.0	2.3		128.0 - 192.0	P 159.7	2.4	27	
Sterling Ferrozine & Other spectrophotometers	13	85.0 - 127.0	P 106.2	9.1		96.0 - 144.0	P 119.8	5.7		169.0 - 253.0	P 210.9	14.1		113.0 - 170.0	P 141.8	10.3		117.0 - 176.0	P 146.7	13.2	12	
Initial Grouping by Reagent																						
Beckman Ferrozine	14	91.0 - 136.0	P 113.3	4.2		103.0 - 155.0	P 129.1	3.8		178.0 - 268.0	P 223.1	5.6		119.0 - 179.0	P 149.1	4.4		131.0 - 197.0	P 164.1	4.3	54	
Carolina	15	84.0 - 126.0	P 105.1	6.0		96.0 - 144.0	P 120.0	7.4		168.0 - 252.0	P 209.7	9.6		111.0 - 167.0	P 139.0	7.8		124.0 - 186.0	P 155.0	7.2	27	
DCL/Genzyme	16	73.0 - 110.0	P 91.5	12.5		87.0 - 131.0	P 109.2	11.2		152.0 - 229.0	P 190.5	20.9		100.0 - 150.0	P 125.0	14.0		114.0 - 172.0	P 143.0	11.7	17	
J&J Vitros	17	86.0 - 129.0	P 107.4	5.8		101.0 - 151.0	P 125.9	6.2		190.0 - 285.0	P 237.3	8.8		118.0 - 177.0	P 147.9	6.4		133.0 - 200.0	P 166.7	6.8	34	
Beckman Olympus Ferene	18	95.0 - 143.0	P 119.1	2.8		109.0 - 164.0	P 136.7	3.2		192.0 - 288.0	P 239.7	6.8		126.0 - 189.0	P 157.8	4.2		139.0 - 209.0	P 174.4	4.1	19	
Beck Oly tripyridyltriazine	19	94.0 - 141.0	P 117.4	3.3		107.0 - 161.0	P 134.4	3.3		190.0 - 285.0	P 237.5	5.0		124.0 - 186.0	P 155.4	3.6		138.0 - 207.0	P 172.2	4.3	22	
Roche Cobas	20	87.0 - 130.0	P 108.6	3.2		101.0 - 152.0	P 126.4	3.4		175.0 - 263.0	P 219.2	6.7		116.0 - 175.0	P 145.5	4.1		131.0 - 197.0	P 163.9	4.2	31	
Siemens Ferene	21	84.0 - 127.0	P 105.6	1.8		99.0 - 149.0	P 123.8	2.3		175.0 - 262.0	P 218.2	3.1		115.0 - 172.0	P 143.2	3.1		128.0 - 192.0	P 160.3	2.6	10	
Siemens Dimension	22	84.0 - 126.0	P 105.4	2.0		98.0 - 147.0	P 122.7	1.8		173.0 - 259.0	P 216.1	3.5		113.0 - 170.0	P 141.8	2.1		128.0 - 192.0	P 159.6	2.4	66	
Sterling Ferrozine	23	84.0 - 126.0	P 105.4	9.1		95.0 - 143.0	P 119.2	5.9		168.0 - 252.0	P 210.0	13.9		113.0 - 169.0	P 140.8	10.5		116.0 - 174.0	P 145.2	13.7	13	
Initial Grouping by Sensitivity or Principle																						
Ferene-based	24	84.0 - 126.0	P 104.9	8.6		97.0 - 146.0	P 121.5	8.7		171.0 - 257.0	P 213.9	14.9		113.0 - 169.0	P 140.7	10.0		126.0 - 189.0	P 157.6	9.7	168	

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		
Ferrozine-based	25	87.0 - 130.0	P 108.4	7.6	100.0 - 149.0	P 124.5	7.4	173.0 - 259.0	P 216.2	12.5	115.0 - 173.0	P 144.0	8.5	127.0 - 191.0	P 159.0	10.3	146					
Tripyridyltriazine (TPTZ)	26	94.0 - 141.0	P 117.5	3.3	105.0 - 158.0	P 131.6	13.8	192.0 - 288.0	P 240.3	14.3	125.0 - 188.0	P 156.4	6.1	140.0 - 210.0	P 175.4	15.2	23					
All other methods	27	86.0 - 129.0	P 107.4	5.8	101.0 - 151.0	P 125.9	6.2	190.0 - 285.0	P 237.3	8.8	118.0 - 177.0	P 147.9	6.4	133.0 - 200.0	P 166.7	6.8	34					
Total Population																						
Whole Population	28	86.0 - 129.0	P 107.5	8.1	99.0 - 149.0	P 123.9	8.3	175.0 - 262.0	P 218.7	14.8	115.0 - 172.0	P 143.7	9.8	128.0 - 192.0	P 159.9	10.2	380					

Lactic Acid

Initial Grouping by Reagent

J&J Vitros	1	2.1 - 3.4	P 2.76	0.07	2.0 - 3.3	P 2.62	0.04	3.7 - 6.2	P 4.96	0.13	2.5 - 4.2	P 3.32	0.08	2.4 - 4.0	P 3.19	0.06	10
Siemens Dimension, Dim Flex	2	1.9 - 3.1	P 2.50	0.26	1.7 - 2.8	P 2.28	0.12	4.0 - 6.7	P 5.34	0.17	2.3 - 3.9	P 3.10	0.14	2.2 - 3.7	P 2.94	0.11	23

Initial Grouping by Sensitivity or Principle

Luminometric	3	1.9 - 3.2	P 2.58	0.25	1.8 - 3.0	P 2.38	0.19	3.9 - 6.5	P 5.23	0.25	10.2 - 17.1	P 13.66	54.87	2.9 - 4.8	P 3.85	4.67	36
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Total Population

Whole Population	4	2.0 - 3.4	P 2.73	0.17	1.8 - 3.1	P 2.45	0.23	4.0 - 6.6	P 5.30	0.31	8.3 - 13.8	P 11.04	47.36	2.3 - 3.8	P 3.06	0.21	55
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Lactate Dehydrogenase, Total (LD or LDH)

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	125.0 - 187.0	P 155.9	7.9	335.0 - 503.0	P 419.1	19.5	176.0 - 264.0	P 220.0	7.3	244.0 - 366.0	P 305.2	8.5	456.0 - 684.0	P 570.1	37.3	15
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	87.0 - 131.0	P 109.4	4.3	244.0 - 366.0	P 305.3	13.3	123.0 - 184.0	P 153.1	7.0	177.0 - 266.0	P 221.8	8.1	327.0 - 490.0	P 408.3	16.3	15
Beckman & Beckman Unicel DXC series	3	102.0 - 153.0	P 127.1	4.5	293.0 - 440.0	P 366.6	11.2	144.0 - 216.0	P 180.3	6.0	211.0 - 316.0	P 263.4	7.8	394.0 - 591.0	P 492.7	16.0	50
Carolina & Beckman Synchron CX3/7/9/L	4	98.0 - 148.0	P 123.1	5.9	268.0 - 402.0	P 335.0	22.2	137.0 - 206.0	P 171.3	10.0	196.0 - 294.0	P 244.9	14.4	351.0 - 526.0	P 438.3	33.3	10
J&J Vitros & J&J Vitros not DT or ECi	5	400.0 - 600.0	P 499.6	12.2	1176.0 - 1764.0	P 1469.8	39.9	562.0 - 843.0	P 702.2	18.2	808.0 - 1212.0	P 1010.4	20.6	1699.0 - 2549.0	P 2124.3	76.0	34
J&J Vitros & J&J Vitros 5,1 FS	6	400.0 - 600.0	P 499.8	10.4	1179.0 - 1769.0	P 1474.1	60.3	555.0 - 833.0	P 694.1	25.2	802.0 - 1202.0	P 1001.9	25.9	1635.0 - 2452.0	P 2043.7	73.4	10
Beckman Olympus & Beckm Olym AU 400/600/5400	7	103.0 - 155.0	P 129.3	7.3	301.0 - 451.0	P 376.0	22.2	145.0 - 218.0	P 181.5	10.9	213.0 - 320.0	P 266.4	15.6	408.0 - 612.0	P 510.0	29.4	32
Siemens & Siemens Advia series	8	122.0 - 183.0	P 152.8	2.9	349.0 - 524.0	P 436.6	8.1	173.0 - 260.0	P 216.5	4.9	251.0 - 376.0	P 313.4	6.3	472.0 - 707.0	P 589.6	7.8	10
Siemens Dimension, Dim Flex & Siemens Dimension Xpand	9	118.0 - 178.0	P 148.0	9.5	341.0 - 512.0	P 426.8	28.6	167.0 - 251.0	P 208.8	14.1	243.0 - 365.0	P 304.3	19.9	462.0 - 693.0	P 577.1	42.4	23
Siemens Flex LDI & Siemens Dimension EXL	10	121.0 - 181.0	P 151.2	7.3	354.0 - 531.0	P 442.4	9.8	172.0 - 258.0	P 214.6	7.3	253.0 - 379.0	P 315.7	10.0	480.0 - 720.0	P 600.1	23.5	10
Siemens Flex LDI & Siemens Dimension ser	11	120.0 - 180.0	P 149.7	4.9	351.0 - 526.0	P 438.2	12.2	171.0 - 256.0	P 213.7	7.8	250.0 - 376.0	P 313.0	11.5	477.0 - 716.0	P 596.5	19.6	16

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Siemens Flex LDI & Siemens Dimension Xpand	12	122.0 - 183.0	P	152.9	5.7	352.0 - 528.0	P	439.6	10.8	171.0 - 257.0	P	214.4	6.2	252.0 - 377.0	P	314.6	11.7	478.0 - 717.0	P	597.8	14.3	18
Initial Grouping by Method																						
Abbott	13	125.0 - 187.0	P	155.9	7.9	335.0 - 503.0	P	419.1	19.5	176.0 - 264.0	P	220.0	7.3	244.0 - 366.0	P	305.2	8.5	456.0 - 684.0	P	570.1	37.3	15
Alfa Wassermann	14	87.0 - 131.0	P	109.4	4.3	244.0 - 366.0	P	305.3	13.3	123.0 - 184.0	P	153.1	7.0	177.0 - 266.0	P	221.8	8.1	327.0 - 490.0	P	408.3	16.3	15
Beckman	15	101.0 - 151.0	P	126.2	5.2	291.0 - 437.0	P	364.4	13.0	143.0 - 215.0	P	179.2	6.9	210.0 - 314.0	P	261.9	9.0	392.0 - 588.0	P	489.9	17.8	58
Carolina	16	102.0 - 152.0	P	127.0	9.2	277.0 - 415.0	P	346.0	29.6	141.0 - 212.0	P	176.7	13.2	202.0 - 303.0	P	252.6	19.4	363.0 - 545.0	P	454.1	43.2	15
J&J Vitros	17	399.0 - 598.0	P	498.6	11.8	1173.0 - 1759.0	P	1465.7	45.2	559.0 - 838.0	P	698.6	19.9	804.0 - 1206.0	P	1004.9	22.3	1671.0 - 2507.0	P	2088.8	84.8	54
Beckman Olympus	18	105.0 - 157.0	P	130.8	7.9	304.0 - 456.0	P	379.7	23.2	147.0 - 220.0	P	183.3	11.2	215.0 - 323.0	P	269.3	16.3	412.0 - 618.0	P	515.3	30.6	38
Roche Cobas	19	124.0 - 186.0	P	154.9	6.6	354.0 - 531.0	P	442.7	19.6	173.0 - 260.0	P	216.4	9.6	252.0 - 379.0	P	315.6	14.1	478.0 - 717.0	P	597.9	25.0	19
Siemens	20	122.0 - 183.0	P	152.1	3.6	348.0 - 522.0	P	434.7	9.9	172.0 - 259.0	P	215.5	5.6	249.0 - 374.0	P	311.8	7.9	472.0 - 707.0	P	589.6	7.8	11
Siemens Dimension, Dim Flex	21	117.0 - 176.0	P	146.7	9.9	339.0 - 509.0	P	423.9	31.0	166.0 - 249.0	P	207.6	13.8	243.0 - 365.0	P	304.2	19.6	461.0 - 692.0	P	576.8	40.8	43
Siemens Flex LDI	22	121.0 - 182.0	P	151.8	5.7	352.0 - 529.0	P	440.4	11.0	172.0 - 257.0	P	214.4	6.7	252.0 - 378.0	P	314.9	10.8	480.0 - 720.0	P	599.8	19.2	50
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	23	87.0 - 131.0	P	109.4	4.3	244.0 - 366.0	P	305.3	13.3	123.0 - 184.0	P	153.1	7.0	177.0 - 266.0	P	221.8	8.1	327.0 - 490.0	P	408.3	16.3	15
Low moderate recovery meths	24	103.0 - 154.0	P	128.4	7.4	298.0 - 447.0	P	372.2	22.2	146.0 - 218.0	P	181.9	10.4	213.0 - 319.0	P	266.1	16.1	403.0 - 604.0	P	503.5	32.3	106
Moderate recovery methods	25	118.0 - 177.0	P	147.6	11.7	337.0 - 506.0	P	421.4	32.8	166.0 - 249.0	P	207.8	16.2	242.0 - 363.0	P	302.7	22.4	457.0 - 686.0	P	571.4	49.4	129
High moderate recovery meth	26	115.0 - 173.0	P	144.3	14.7	326.0 - 489.0	P	407.1	49.0	162.0 - 242.0	P	201.9	21.2	234.0 - 351.0	P	292.9	32.7	436.0 - 655.0	P	545.4	71.9	51
High recovery methods	27	121.0 - 182.0	P	151.5	4.8	348.0 - 522.0	P	434.8	11.9	169.0 - 254.0	P	211.5	5.4	247.0 - 371.0	P	309.3	9.0	470.0 - 704.0	P	586.9	18.4	14
All other methods	28	394.0 - 591.0	P	492.2	48.8	1157.0 - 1736.0	P	1446.5	148.2	552.0 - 828.0	P	689.7	69.2	794.0 - 1191.0	P	992.2	96.9	1648.0 - 2472.0	P	2060.3	223.9	55
Total Population																						
Whole Population	29	115.0 - 173.0	P	143.9	11.8	329.0 - 493.0	P	411.2	33.2	162.0 - 243.0	P	202.4	16.0	235.0 - 353.0	P	293.8	23.6	451.0 - 676.0	P	563.2	43.4	390

Lipase

Initial Grouping by Reagent and Instrument

Abbott Architect/ Aeroset & Abbott Architect c, ci, i	1	37.0 - 69.0	P	52.9	2.9	17.0 - 32.0	P	24.5	1.7	89.0 - 165.0	P	127.1	6.0	41.0 - 76.0	P	58.6	3.2	21.0 - 39.0	P	29.9	1.6	15
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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	
Beckman LIP & Beckman Unicel DXC series	2	37.0 - 69.0	P	52.9	3.1	22.0 - 41.0	P	31.5	2.8	68.0 - 126.0	P	97.2	6.2	41.0 - 76.0	P	58.4	3.4	25.0 - 47.0	P	36.3	3.1	30
Carolina & Beckman Synchron CX3/7/9/L	3	39.0 - 72.0	P	55.4	6.0	21.0 - 39.0	P	30.3	3.7	73.0 - 135.0	P	103.6	12.4	42.0 - 78.0	P	59.7	6.9	24.0 - 45.0	P	34.5	3.6	11
J&J Vitros & J&J Vitros not DT or ECi	4	551.0 - 1024.0	P	787.8	46.5	252.0 - 468.0	P	360.0	22.0	1347.0 - 2501.0	P	1923.8	104.8	605.0 - 1123.0	P	863.7	44.0	306.0 - 568.0	P	436.7	24.9	34
J&J Vitros & J&J Vitros 5,1 FS	5	537.0 - 997.0	P	767.2	39.0	243.0 - 452.0	P	347.5	19.8	1323.0 - 2456.0	P	1889.3	68.2	586.0 - 1089.0	P	837.6	38.6	295.0 - 549.0	P	422.1	21.3	19
Beckman Olympus & Beckm Olym AU 400/600/5400	6	39.0 - 73.0	P	56.1	4.8	18.0 - 34.0	P	25.9	2.4	94.0 - 175.0	P	134.4	13.1	43.0 - 80.0	P	61.2	4.9	22.0 - 41.0	P	31.4	3.3	28
Roche Cobas Integra & Roche Cobas Integra	7	33.0 - 61.0	P	47.1	1.6	17.0 - 32.0	P	24.5	1.2	76.0 - 142.0	P	109.3	5.2	37.0 - 68.0	P	52.4	2.6	21.0 - 38.0	P	29.5	1.6	15
Siemens LIPL, liquid & Siemens Dimension Rxl	8	136.0 - 253.0	P	194.2	8.5	74.0 - 137.0	P	105.3	5.0	318.0 - 591.0	P	454.4	10.8	153.0 - 284.0	P	218.5	5.2	88.0 - 163.0	P	125.6	5.1	12
Siemens LIPL, liquid & Siemens Dimension EXL	9	133.0 - 247.0	P	190.3	13.0	72.0 - 134.0	P	102.8	5.7	311.0 - 577.0	P	444.1	31.0	150.0 - 279.0	P	214.7	15.9	86.0 - 160.0	P	122.8	7.3	22
Siemens LIPL, liquid & Siemens Dimension ser	10	135.0 - 251.0	P	193.2	9.9	73.0 - 136.0	P	104.4	5.3	316.0 - 588.0	P	451.9	25.7	152.0 - 282.0	P	216.6	12.0	88.0 - 163.0	P	125.3	6.8	19
Siemens LIPL, liquid & Siemens Dimension Xpand	11	136.0 - 252.0	P	193.8	9.8	73.0 - 136.0	P	104.4	5.8	317.0 - 588.0	P	452.6	20.1	151.0 - 281.0	P	216.4	9.2	88.0 - 163.0	P	125.0	6.3	34
Initial Grouping by Reagent																						
Abbott Architect/ Aeroset	12	37.0 - 69.0	P	52.9	2.9	17.0 - 32.0	P	24.5	1.7	89.0 - 165.0	P	127.1	6.0	41.0 - 76.0	P	58.6	3.2	21.0 - 39.0	P	29.9	1.6	15
Beckman LIP	13	37.0 - 69.0	P	53.2	3.4	22.0 - 41.0	P	31.6	2.7	68.0 - 127.0	P	97.8	6.4	41.0 - 77.0	P	58.9	4.0	26.0 - 47.0	P	36.5	3.1	33
Beckman LIPA	14	37.0 - 68.0	P	52.2	3.6	21.0 - 40.0	P	30.5	3.3	71.0 - 131.0	P	101.0	13.4	40.0 - 74.0	P	57.3	3.3	25.0 - 46.0	P	35.5	3.7	10
Carolina	15	39.0 - 72.0	P	55.1	7.3	22.0 - 41.0	P	31.7	4.7	66.0 - 122.0	P	93.6	18.5	41.0 - 76.0	P	58.5	7.7	25.0 - 46.0	P	35.5	4.6	18
J&J Vitros	16	544.0 - 1010.0	P	777.2	43.2	248.0 - 460.0	P	354.0	20.9	1336.0 - 2481.0	P	1908.4	90.9	596.0 - 1108.0	P	852.1	41.5	301.0 - 559.0	P	429.9	23.2	63
Beckman Olympus	17	39.0 - 73.0	P	56.2	4.7	18.0 - 34.0	P	25.9	2.4	94.0 - 175.0	P	134.4	12.7	43.0 - 80.0	P	61.4	4.9	22.0 - 41.0	P	31.5	3.2	30
Roche Cobas Integra	18	32.0 - 60.0	P	46.1	2.7	17.0 - 32.0	P	24.3	1.3	76.0 - 141.0	P	108.2	5.7	36.0 - 67.0	P	51.6	3.3	20.0 - 38.0	P	29.1	1.7	18
Roche/Hitachi	19	30.0 - 56.0	P	42.8	5.2	16.0 - 30.0	P	22.9	2.1	69.0 - 129.0	P	98.9	12.7	33.0 - 62.0	P	47.4	4.8	19.0 - 35.0	P	27.1	2.1	14
Siemens LIPL, liquid	20	135.0 - 251.0	P	192.8	10.5	73.0 - 135.0	P	104.1	5.5	315.0 - 586.0	P	450.5	23.7	151.0 - 281.0	P	216.3	11.4	87.0 - 162.0	P	124.6	6.5	88
Siemens Dimension	21	135.0 - 250.0	P	192.2	5.8	73.0 - 136.0	P	104.2	3.7	313.0 - 581.0	P	446.9	14.3	151.0 - 280.0	P	215.3	5.0	88.0 - 164.0	P	126.0	4.3	15
Initial Grouping by Sensitivity or Principle																						
Very low recovery methods	22	39.0 - 72.0	P	55.7	5.3	20.0 - 37.0	P	28.2	5.0	88.0 - 164.0	P	126.1	16.8	43.0 - 80.0	P	61.2	6.3	23.0 - 43.0	P	33.3	4.4	29
Colorimetric	23	35.0 - 65.0	P	49.9	6.2	20.0 - 37.0	P	28.2	4.9	72.0 - 134.0	P	102.8	15.7	38.0 - 72.0	P	55.0	6.6	23.0 - 43.0	P	33.1	5.8	85

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Enzymatic/colorimetric	24	252.0 - 468.0	P	360.3	292.6	121.0 - 225.0	P	173.2	128.6	610.0 - 1133.0	P	871.8	725.3	279.0 - 518.0	P	398.4	319.6	148.0 - 275.0	P	211.3	156.4	200
All other methods	25	39.0 - 72.0	P	55.1	7.3	22.0 - 41.0	P	31.7	4.7	66.0 - 122.0	P	93.6	18.5	41.0 - 76.0	P	58.5	7.7	25.0 - 46.0	P	35.5	4.6	18
Total Population																						
Whole Population	26	135.0 - 250.0	P	192.5	10.0	73.0 - 135.0	P	104.1	5.5	315.0 - 584.0	P	449.6	22.5	151.0 - 281.0	P	215.9	10.8	87.0 - 162.0	P	124.8	6.3	336

Magnesium mg/dL

Initial Grouping by Reagent and Instrument

Abbott Arsenazo & Abbott Architect c, ci, i	1	3.1 - 5.2	P	4.19	0.15	2.3 - 3.9	P	3.10	0.12	2.7 - 4.6	P	3.64	0.09	2.6 - 4.4	P	3.49	0.15	1.8 - 3.0	P	2.39	0.12	14
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	3.0 - 5.1	P	4.05	0.22	2.2 - 3.7	P	2.95	0.17	2.6 - 4.3	P	3.42	0.20	2.5 - 4.2	P	3.35	0.20	1.7 - 2.8	P	2.20	0.14	13
Beckman & Beckman Unicel DXC series	3	3.3 - 5.5	P	4.40	0.13	2.4 - 4.0	P	3.20	0.10	2.8 - 4.7	P	3.78	0.13	2.7 - 4.6	P	3.66	0.12	1.8 - 3.0	P	2.41	0.09	51
Carolina & Beckman Synchron CX3/7/9/L	4	3.0 - 5.0	P	4.02	0.33	2.2 - 3.7	P	2.97	0.24	2.7 - 4.5	P	3.63	0.26	2.6 - 4.3	P	3.45	0.27	1.8 - 2.9	P	2.35	0.22	11
J&J Vitros & J&J Vitros not DT or ECi	5	3.7 - 6.1	P	4.90	0.18	2.6 - 4.4	P	3.50	0.12	3.0 - 5.1	P	4.06	0.15	3.0 - 5.0	P	4.00	0.15	2.0 - 3.3	P	2.61	0.11	47
J&J Vitros & J&J Vitros 5,1 FS	6	3.7 - 6.1	P	4.91	0.17	2.7 - 4.4	P	3.54	0.15	3.1 - 5.1	P	4.08	0.14	3.0 - 5.0	P	4.01	0.12	2.0 - 3.3	P	2.62	0.10	19
Beckman Olymp Xylidyl Blue & Beckm Olym AU 400/600/5400	7	3.2 - 5.3	P	4.26	0.16	2.3 - 3.8	P	3.04	0.11	2.7 - 4.5	P	3.59	0.15	2.6 - 4.4	P	3.48	0.12	1.7 - 2.8	P	2.28	0.12	36
Roche Cobas & Roche Cobas 6000	8	3.2 - 5.4	P	4.29	0.09	2.3 - 3.9	P	3.11	0.15	2.7 - 4.4	P	3.55	0.14	2.6 - 4.4	P	3.52	0.12	1.8 - 2.9	P	2.34	0.07	11
Roche Cobas & Roche Cobas Integra	9	3.2 - 5.3	P	4.23	0.10	2.4 - 3.9	P	3.14	0.08	2.7 - 4.5	P	3.58	0.11	2.7 - 4.4	P	3.54	0.11	1.8 - 3.0	P	2.38	0.07	14
Siemens & Siemens Advia series	10	3.2 - 5.4	P	4.33	0.20	2.4 - 3.9	P	3.15	0.14	2.8 - 4.6	P	3.68	0.15	2.7 - 4.5	P	3.60	0.17	1.8 - 3.0	P	2.41	0.11	11
Siemens Dimension & Siemens Dimension Rxl	11	3.4 - 5.6	P	4.47	0.12	2.4 - 4.0	P	3.17	0.10	2.9 - 4.8	P	3.82	0.12	2.8 - 4.6	P	3.67	0.13	1.8 - 2.9	P	2.36	0.10	19
Siemens Dimension & Siemens Dimension EXL	12	3.3 - 5.6	P	4.45	0.08	2.4 - 3.9	P	3.14	0.07	2.8 - 4.7	P	3.76	0.09	2.7 - 4.5	P	3.62	0.05	1.8 - 2.9	P	2.34	0.09	23
Siemens Dimension & Siemens Dimension ser	13	3.4 - 5.6	P	4.52	0.14	2.4 - 4.0	P	3.17	0.10	2.9 - 4.8	P	3.82	0.11	2.8 - 4.6	P	3.68	0.10	1.8 - 2.9	P	2.35	0.11	35
Siemens Dimension & Siemens Dimension Xpand	14	3.4 - 5.6	P	4.47	0.11	2.4 - 4.0	P	3.17	0.09	2.8 - 4.7	P	3.79	0.11	2.8 - 4.6	P	3.67	0.10	1.8 - 2.9	P	2.36	0.09	67

Initial Grouping by Reagent

Abbott Arsenazo	15	3.1 - 5.2	P	4.19	0.15	2.3 - 3.9	P	3.10	0.12	2.7 - 4.6	P	3.64	0.09	2.6 - 4.4	P	3.49	0.15	1.8 - 3.0	P	2.39	0.12	14
Alfa Wassermann	16	3.0 - 5.1	P	4.05	0.22	2.2 - 3.7	P	2.95	0.17	2.6 - 4.3	P	3.42	0.20	2.5 - 4.2	P	3.35	0.20	1.7 - 2.8	P	2.20	0.14	13
Beckman	17	3.3 - 5.5	P	4.42	0.13	2.4 - 4.0	P	3.22	0.10	2.8 - 4.7	P	3.79	0.15	2.8 - 4.6	P	3.67	0.14	1.8 - 3.0	P	2.42	0.09	63
Carolina	18	3.1 - 5.1	P	4.10	0.29	2.2 - 3.7	P	2.99	0.28	2.7 - 4.5	P	3.62	0.28	2.6 - 4.3	P	3.47	0.26	1.8 - 2.9	P	2.35	0.25	24
DCL/Genzyme	19	3.1 - 5.1	P	4.09	0.27	2.3 - 3.9	P	3.09	0.21	2.7 - 4.4	P	3.54	0.10	2.6 - 4.3	P	3.46	0.25	1.8 - 3.0	P	2.39	0.12	10
J&J Vitros	20	3.7 - 6.1	P	4.90	0.18	2.6 - 4.4	P	3.51	0.14	3.1 - 5.1	P	4.07	0.15	3.0 - 5.0	P	4.00	0.14	2.0 - 3.3	P	2.61	0.10	77

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			
6000	11	3.4 - 3.8	S	3.63	0.07	1.6 - 2.2	S	1.88	0.09	8.0 - 9.5	S	8.79	0.25	3.8 - 4.6	S	4.20	0.12	2.3 - 2.8	S	2.53	0.08	10
Siemens Coat-A-Count IRMA & All gamma counters	12	2.4 - 4.5	S	3.45	0.36	1.2 - 2.4	S	1.80	0.19	6.8 - 12.4	S	9.58	0.93	3.7 - 5.1	S	4.43	0.23	1.4 - 3.4	S	2.37	0.34	23
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	13	2.6 - 5.1	S	3.84	0.41	1.4 - 2.5	S	1.96	0.18	7.1 - 12.7	S	9.91	0.94	3.1 - 6.2	S	4.65	0.51	1.9 - 3.7	S	2.78	0.29	16
Siemens Dimension & Siemens Dimension Rxl	14	2.3 - 3.6	S	2.95	0.21	1.0 - 2.1	S	1.55	0.19	5.8 - 10.0	S	7.91	0.71	2.6 - 4.3	S	3.48	0.28	1.5 - 2.8	S	2.16	0.23	15
Siemens Dimension & Siemens Dimension ser	15	2.5 - 3.5	S	3.02	0.16	1.3 - 1.9	S	1.58	0.10	6.6 - 9.6	S	8.09	0.51	3.0 - 4.1	S	3.57	0.18	1.8 - 2.5	S	2.15	0.11	13
Siemens Dimension & Siemens Dimension Xpand	16	2.3 - 3.8	S	3.01	0.25	1.1 - 1.9	S	1.53	0.13	5.9 - 10.3	S	8.06	0.74	2.7 - 4.4	S	3.54	0.28	1.6 - 2.7	S	2.15	0.18	59
Siemens Immulite (3rd gen) & Siemens Immulite 2000	17	3.0 - 3.8	S	3.38	0.14	1.4 - 2.1	S	1.71	0.12	7.1 - 10.5	S	8.80	0.57	3.1 - 4.8	S	3.93	0.28	1.9 - 2.9	S	2.40	0.16	24
Siemens Immulite (3rd gen) & Siem Immulite/Immulite 1000	18	2.4 - 3.9	S	3.17	0.25	1.2 - 2.0	S	1.61	0.14	6.5 - 10.6	S	8.55	0.68	3.1 - 4.6	S	3.84	0.25	1.7 - 2.8	S	2.27	0.19	47
Siemens Immulite (rapid) & Siemens Immulite 2000	19	2.5 - 4.2	S	3.35	0.28	1.4 - 2.0	S	1.72	0.10	6.7 - 10.9	S	8.79	0.70	3.3 - 4.6	S	3.94	0.22	1.9 - 3.0	S	2.44	0.19	22
Siemens Immulite (rapid) & Siem Immulite/Immulite 1000	20	2.7 - 4.0	S	3.36	0.22	1.4 - 2.0	S	1.73	0.10	7.1 - 10.0	S	8.57	0.49	3.3 - 4.8	S	4.02	0.24	2.2 - 2.6	S	2.44	0.07	12
Tosoh AIA & Tosoh Medics AIA	21	2.7 - 4.7	S	3.69	0.33	1.4 - 2.4	S	1.89	0.16	7.4 - 11.9	S	9.65	0.76	3.4 - 5.4	S	4.39	0.33	2.1 - 3.1	S	2.60	0.18	37
Tosoh AIA & Tosoh Medics ST AIA	22	3.1 - 4.6	S	3.87	0.26	1.6 - 2.4	S	2.01	0.14	8.1 - 12.2	S	10.14	0.70	3.7 - 5.6	S	4.64	0.32	2.4 - 3.2	S	2.80	0.14	37
Siemens Dimension LOCI & Siemens Dimension EXL	23	3.0 - 3.9	S	3.43	0.15	1.5 - 2.0	S	1.75	0.10	7.7 - 10.5	S	9.10	0.48	3.5 - 4.7	S	4.07	0.20	2.0 - 2.8	S	2.39	0.13	22
Initial Grouping by Reagent																						
Abbott Cmia	24	2.7 - 3.5	S	3.06	0.13	1.3 - 1.8	S	1.55	0.09	7.2 - 9.0	S	8.13	0.30	3.2 - 4.1	S	3.61	0.15	1.8 - 2.4	S	2.13	0.10	22
Abbott MEIA	25	2.2 - 3.8	S	3.00	0.26	1.1 - 1.9	S	1.52	0.14	6.6 - 10.1	S	8.36	0.58	2.8 - 4.4	S	3.59	0.26	1.6 - 2.6	S	2.14	0.17	29
Beckman Access	26	2.5 - 3.9	S	3.17	0.23	1.3 - 2.0	S	1.62	0.11	6.4 - 9.7	S	8.04	0.55	3.0 - 4.4	S	3.73	0.23	1.8 - 2.6	S	2.22	0.14	117
bioMerieux Vidas	27	3.1 - 4.4	S	3.72	0.22	1.5 - 2.2	S	1.85	0.11	8.3 - 12.0	S	10.14	0.61	3.7 - 5.2	S	4.46	0.24	2.1 - 3.1	S	2.60	0.18	72
Dade Behring	28	2.1 - 3.8	S	2.98	0.28	1.1 - 1.9	S	1.52	0.14	5.8 - 10.3	S	8.01	0.75	2.6 - 4.4	S	3.52	0.30	1.6 - 2.7	S	2.14	0.18	44
DiaSorin CTK-3	29	3.2 - 5.2	S	4.24	0.33	1.2 - 3.1	S	2.13	0.31	8.3 - 14.5	S	11.41	1.04	4.0 - 6.5	S	5.22	0.42	2.0 - 4.1	S	3.07	0.34	31
J&J Vitros	30	3.9 - 4.8	S	4.33	0.14	1.9 - 2.4	S	2.15	0.07	9.3 - 12.8	S	11.06	0.60	4.5 - 5.7	S	5.11	0.21	2.7 - 3.3	S	3.00	0.11	28
Roche Elecsys	31	3.2 - 4.1	S	3.63	0.14	1.6 - 2.1	S	1.87	0.08	7.9 - 9.7	S	8.80	0.30	3.8 - 4.6	S	4.23	0.13	2.2 - 2.8	S	2.52	0.11	46
Siemens Coat-A-Count IRMA	32	2.4 - 4.5	S	3.45	0.36	1.2 - 2.4	S	1.80	0.19	6.8 - 12.4	S	9.58	0.93	3.7 - 5.1	S	4.43	0.23	1.4 - 3.4	S	2.37	0.34	23
Siemens ADVIA Centaur/IMS	33	2.7 - 5.0	S	3.85	0.39	1.4 - 2.6	S	1.97	0.19	6.9 - 12.8	S	9.87	0.98	3.2 - 6.2	S	4.66	0.50	1.9 - 3.7	S	2.78	0.29	18
Siemens Dimension	34	2.3 - 3.7	S	3.00	0.23	1.1 - 2.0	S	1.54	0.14	5.9 - 10.1	S	8.05	0.70	2.7 - 4.3	S	3.54	0.27	1.6 - 2.7	S	2.15	0.18	88
Siemens Immulite (3rd gen)	35	2.5 - 4.0	S	3.24	0.24	1.2 - 2.1	S	1.65	0.14	6.7 - 10.7	S	8.66	0.66	3.1 - 4.6	S	3.87	0.25	1.8 - 2.9	S	2.32	0.19	75
Siemens Immulite (rapid)	36	2.6 - 4.1	S	3.35	0.26	1.4 - 2.0	S	1.72	0.10	6.8 - 10.6	S	8.71	0.64	3.3 - 4.7	S	3.97	0.23	2.0 - 2.9	S	2.44	0.16	34
Tosoh AIA	37	2.8 - 4.7	S	3.79	0.32	1.5 - 2.4	S	1.95	0.17	7.6 - 12.2	S	9.88	0.77	3.4 - 5.6	S	4.53	0.36	2.1 - 3.3	S	2.70	0.19	79
Siemens Dimension LOCI	38	2.9 - 4.0	S	3.42	0.18	1.5 - 2.0	S	1.75	0.10	7.6 - 10.6	S	9.10	0.48	3.5 - 4.7	S	4.06	0.20	2.0 - 2.8	S	2.39	0.13	27
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	39	2.5 - 3.9	S	3.17	0.23	1.3 - 2.0	S	1.62	0.11	6.4 - 9.7	S	8.04	0.55	3.0 - 4.4	S	3.73	0.23	1.8 - 2.6	S	2.22	0.14	117
Low moderate recovery meths	40	1.9 - 4.3	S	3.11	0.39	1.0 - 2.2	S	1.59	0.19	5.1 - 11.4	S	8.26	1.06	2.4 - 4.9	S	3.67	0.42	1.5 - 3.0	S	2.22	0.26	164

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		
AIA	20	2.3 - 3.7	S	3.00	0.22	1.8 - 2.9	S	2.37	0.18	4.3 - 6.2	S	5.26	0.33	2.8 - 3.9	S	3.37	0.18	2.2 - 3.3	S	2.75	0.17	23
Siemens Dimension LOCI & Siemens Dimension EXL	21	2.2 - 2.5	S	2.38	0.05	1.7 - 2.0	S	1.82	0.04	4.0 - 4.9	S	4.49	0.15	2.3 - 3.0	S	2.66	0.11	2.0 - 2.4	S	2.19	0.06	16
Initial Grouping by Reagent																						
Abbott Cmia	22	1.9 - 2.7	S	2.29	0.14	1.5 - 2.2	S	1.82	0.11	3.2 - 6.4	S	4.79	0.54	2.2 - 3.2	S	2.71	0.17	1.8 - 2.6	S	2.23	0.13	18
Abbott MEIA	23	1.3 - 2.0	S	1.65	0.12	0.9 - 1.4	S	1.12	0.08	2.2 - 3.2	S	2.69	0.18	1.3 - 2.0	S	1.66	0.12	1.0 - 1.5	S	1.21	0.09	24
Beckman Access	24	1.7 - 2.4	S	2.04	0.12	1.3 - 2.0	S	1.65	0.10	2.6 - 3.6	S	3.10	0.17	1.9 - 2.6	S	2.23	0.13	1.6 - 2.2	S	1.89	0.10	95
bioMerieux Vidas	25	1.2 - 1.8	S	1.51	0.09	0.9 - 1.5	S	1.20	0.09	2.2 - 3.4	S	2.77	0.19	1.3 - 2.1	S	1.70	0.12	1.1 - 1.7	S	1.41	0.11	49
Dade Behring	26	1.9 - 3.4	S	2.64	0.26	1.5 - 2.8	S	2.15	0.22	3.4 - 5.2	S	4.33	0.30	2.3 - 3.5	S	2.93	0.20	1.8 - 3.2	S	2.50	0.24	27
DiaSorin GammaCoat 1-Step	27	0.6 - 1.4	S	1.02	0.14	0.5 - 1.2	S	0.84	0.12	1.9 - 3.5	S	2.69	0.28	0.8 - 1.8	S	1.28	0.17	0.7 - 1.5	S	1.12	0.13	33
J&J Vitros	28	5.2 - 6.5	S	5.83	0.22	4.2 - 5.7	S	4.98	0.25	6.8 - 7.1	S	6.94	0.05	5.8 - 6.9	S	6.33	0.19	5.1 - 6.0	S	5.56	0.15	25
Roche Elecsys	29	2.0 - 2.8	S	2.41	0.13	1.8 - 2.2	S	2.01	0.08	3.8 - 5.2	S	4.45	0.23	2.3 - 3.2	S	2.74	0.15	2.0 - 2.6	S	2.32	0.10	36
Siemens Coat-A-Count	30	0.5 - 1.3	S	0.93	0.13	0.3 - 1.0	S	0.69	0.12	1.7 - 2.8	S	2.27	0.18	0.7 - 1.6	S	1.11	0.15	0.6 - 1.2	S	0.89	0.10	22
Siemens ADVIA Centaur/IMS	31	1.9 - 2.4	S	2.18	0.09	1.4 - 2.2	S	1.79	0.12	2.5 - 4.7	S	3.63	0.37	1.9 - 3.0	S	2.45	0.19	1.6 - 2.4	S	2.02	0.14	15
Siemens Dimension	32	1.9 - 3.4	S	2.69	0.25	1.6 - 2.8	S	2.17	0.20	3.5 - 5.3	S	4.38	0.31	2.3 - 3.8	S	3.06	0.25	1.9 - 3.1	S	2.51	0.20	61
Siemens Immulite (1-step)	33	2.0 - 2.8	S	2.40	0.13	1.6 - 2.4	S	2.05	0.13	3.1 - 4.3	S	3.67	0.21	2.2 - 3.0	S	2.63	0.14	1.9 - 2.7	S	2.32	0.13	44
Siemens Immulite (analog)	34	2.1 - 2.9	S	2.46	0.14	1.7 - 2.6	S	2.14	0.15	3.0 - 4.8	S	3.88	0.31	2.1 - 3.3	S	2.70	0.19	1.9 - 2.9	S	2.40	0.15	18
Tosoh AIA	35	2.3 - 3.6	S	2.98	0.22	1.8 - 2.9	S	2.36	0.19	3.9 - 6.3	S	5.11	0.39	2.6 - 4.1	S	3.36	0.24	2.1 - 3.3	S	2.70	0.21	47
Siemens Dimension LOCI	36	2.2 - 2.6	S	2.36	0.07	1.7 - 2.0	S	1.82	0.05	4.0 - 5.0	S	4.46	0.16	2.3 - 3.0	S	2.65	0.11	2.0 - 2.4	S	2.17	0.07	19
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	37	0.8 - 2.6	S	1.66	0.30	0.5 - 2.2	S	1.34	0.27	1.7 - 4.3	S	2.98	0.44	0.8 - 2.9	S	1.88	0.35	0.7 - 2.4	S	1.56	0.29	64
Low moderate recovery meth	38	1.8 - 3.4	S	2.60	0.27	1.3 - 2.8	S	2.07	0.24	3.4 - 5.4	S	4.38	0.34	2.1 - 3.8	S	2.95	0.30	1.7 - 3.1	S	2.42	0.24	81
Moderate recovery methods	39	0.1 - 4.0	S	2.07	0.65	0.0 - 3.3	S	1.65	0.55	0.6 - 6.7	S	3.65	1.00	0.2 - 4.5	S	2.33	0.72	0.1 - 3.7	S	1.93	0.60	302
High moderate recovery meth	40	2.0 - 2.8	S	2.41	0.13	1.6 - 2.5	S	2.07	0.14	3.0 - 4.5	S	3.73	0.26	2.2 - 3.1	S	2.65	0.16	1.9 - 2.8	S	2.34	0.14	62
High recovery methods	41	3.8 - 7.7	S	5.71	0.65	3.2 - 6.6	S	4.88	0.56	5.3 - 8.4	S	6.84	0.51	4.2 - 8.2	S	6.20	0.68	3.7 - 7.2	S	5.45	0.57	26
Total Population																						
Whole Population	42	1.2 - 3.5	S	2.33	0.37	1.1 - 2.8	S	1.94	0.28	1.5 - 5.9	S	3.72	0.74	1.2 - 4.0	S	2.58	0.46	1.2 - 3.2	S	2.24	0.33	548

Thyroxine, Total (TT4)

Initial Grouping by Reagent and Instrument																						
Abbott Cmia & Abbott Architect ci, i	1	5.5 - 8.2	P	6.87	0.35	4.6 - 6.9	P	5.73	0.45	12.1 - 18.1	P	15.06	1.16	6.5 - 9.7	P	8.12	0.43	5.6 - 8.3	P	6.95	0.48	14
Abbott FPIA & Abbott AxSYM	2	5.2 - 7.8	P	6.49	0.32	4.1 - 6.2	P	5.14	0.30	10.1 - 15.2	P	12.65	0.67	5.9 - 8.9	P	7.40	0.35	4.8 - 7.2	P	6.02	0.53	10
Beckman Access & Beckman Access luminometer	3	6.2 - 9.3	P	7.74	0.73	5.0 - 7.5	P	6.22	0.54	11.1 - 16.7	P	13.91	1.11	7.1 - 10.7	P	8.89	0.68	5.9 - 8.8	P	7.31	0.53	56
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	4	5.3 - 8.0	P	6.66	0.38	4.3 - 6.5	P	5.44	0.33	8.7 - 13.0	P	10.83	0.71	5.8 - 8.7	P	7.29	0.48	5.0 - 7.5	P	6.22	0.46	17
Roche Elecsys & Roche Elecsys series	5	5.3 - 7.9	P	6.59	0.58	4.2 - 6.3	P	5.28	0.24	10.4 - 15.6	P	13.01	0.63	6.1 - 9.2	P	7.64	0.41	5.1 - 7.7	P	6.40	0.36	10
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	6	5.1 - 7.6	P	6.35	0.55	3.9 - 5.9	C	4.94	0.51	9.7 - 14.5	P	12.12	0.96	6.0 - 9.0	P	7.51	0.50	5.0 - 7.5	P	6.25	0.52	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		
gamma counters	3	0.77 - 1.6	S	1.184	0.138	0.6 - 1.26	S	0.929	0.109	1.53 - 3.94	S	2.737	0.401	0.8 - 2.2	S	1.500	0.235	0.67 - 1.77	S	1.223	0.183	23
Roche Elecsys & Roche Elecsys series	4	0.84 - 1.76	S	1.296	0.154	0.61 - 1.48	S	1.041	0.145	1.66 - 2.51	S	2.084	0.141	0.99 - 1.76	S	1.375	0.129	0.72 - 1.57	S	1.143	0.141	11
Siemens Coat-A-Count & All gamma counters	5	0.63 - 1.19	S	0.913	0.094	0.55 - 0.92	S	0.736	0.061	1.67 - 2.08	S	1.879	0.068	0.82 - 1.33	S	1.074	0.084	0.65 - 1.06	S	0.853	0.069	10
Siemens Advia & Siemens Centaur/Centaur CP	6	0.61 - 1.34	S	0.972	0.122	0.42 - 1.05	S	0.736	0.104	0.92 - 2.28	S	1.601	0.226	0.65 - 1.43	S	1.040	0.129	0.66 - 1.07	S	0.862	0.068	10
Siemens Immulite & Siemens Immulite 2000	7	0.57 - 1.09	S	0.834	0.087	0.42 - 0.83	S	0.624	0.069	1.15 - 1.77	S	1.458	0.103	0.68 - 1.18	S	0.926	0.083	0.45 - 0.93	S	0.689	0.080	19
Initial Grouping by Reagent																						
Beckman Access	8	0.99 - 1.63	S	1.312	0.107	0.74 - 1.22	S	0.980	0.081	1.62 - 2.88	S	2.248	0.211	1.06 - 1.77	S	1.410	0.118	0.79 - 1.45	S	1.118	0.110	32
bioMerieux Vidas	9	0.89 - 1.43	S	1.157	0.091	0.7 - 1.0	S	0.850	0.051	1.68 - 2.28	S	1.981	0.099	1.0 - 1.55	S	1.271	0.091	0.76 - 1.14	S	0.951	0.064	20
DiaSorin GammaCoat	10	0.77 - 1.6	S	1.184	0.138	0.6 - 1.26	S	0.929	0.109	1.53 - 3.94	S	2.737	0.401	0.8 - 2.2	S	1.500	0.235	0.67 - 1.77	S	1.223	0.183	23
Roche Elecsys	11	0.94 - 1.64	S	1.285	0.117	0.69 - 1.37	S	1.027	0.113	1.59 - 2.5	S	2.048	0.152	1.04 - 1.69	S	1.369	0.108	0.78 - 1.46	S	1.121	0.112	24
Siemens Coat-A-Count	12	0.63 - 1.19	S	0.913	0.094	0.55 - 0.92	S	0.736	0.061	1.67 - 2.08	S	1.879	0.068	0.82 - 1.33	S	1.074	0.084	0.65 - 1.06	S	0.853	0.069	10
Siemens Advia	13	0.61 - 1.32	S	0.966	0.117	0.42 - 1.03	S	0.728	0.102	0.95 - 2.24	S	1.595	0.216	0.67 - 1.41	S	1.036	0.123	0.66 - 1.06	S	0.856	0.067	11
Siemens Dimension	14	0.71 - 1.53	S	1.116	0.137	0.39 - 1.26	S	0.825	0.145	1.53 - 2.45	S	1.989	0.153	0.86 - 1.54	S	1.201	0.114	0.58 - 1.38	S	0.980	0.133	12
Siemens Immulite	15	0.55 - 1.09	S	0.823	0.090	0.38 - 0.82	S	0.600	0.075	1.12 - 1.76	S	1.437	0.106	0.66 - 1.18	S	0.920	0.088	0.43 - 0.92	S	0.675	0.083	31
Tosoh AIA	16	4.75 - 9.31	S	7.031	0.760	3.24 - 8.44	S	5.838	0.867	5.23 - 11.51	S	8.368	1.047	4.84 - 10.04	S	7.439	0.868	3.79 - 8.76	S	6.273	0.828	12
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meths	17	0.35 - 1.72	S	1.032	0.228	0.25 - 1.32	S	0.784	0.178	0.68 - 2.93	S	1.806	0.375	0.46 - 1.81	S	1.135	0.224	0.27 - 1.51	S	0.891	0.206	108
Moderate recovery methods	18	0.81 - 1.54	S	1.172	0.122	0.59 - 1.19	S	0.892	0.099	0.93 - 3.84	S	2.381	0.485	0.74 - 2.05	S	1.393	0.219	0.5 - 1.68	S	1.092	0.197	45
High moderate recovery meth	19	0.91 - 1.65	S	1.281	0.122	0.69 - 1.38	S	1.037	0.115	0.99 - 3.31	S	2.150	0.388	0.97 - 1.83	S	1.397	0.143	0.75 - 1.53	S	1.142	0.129	26
High recovery methods	20	4.75 - 9.31	S	7.031	0.760	3.24 - 8.44	S	5.838	0.867	5.23 - 11.51	S	8.368	1.047	4.84 - 10.04	S	7.439	0.868	3.79 - 8.76	S	6.273	0.828	12
Total Population																						
Whole Population	21	0.86 - 1.61	S	1.236	0.125	0.66 - 1.27	S	0.964	0.102	1.05 - 3.37	S	2.207	0.387	0.86 - 1.89	S	1.377	0.171	0.67 - 1.56	S	1.112	0.148	203
T-Uptake % of Total																						
Initial Grouping by Reagent and Instrument																						
Beckman Access & Beckman Access luminometer	1	43.0 - 58.0	S	50.5	2.4	43.0 - 56.0	S	49.0	2.2	41.0 - 54.0	S	47.3	2.1	42.0 - 56.0	S	48.8	2.4	42.0 - 54.0	S	47.7	1.9	45
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	2	42.0 - 59.0	S	50.3	2.8	40.0 - 57.0	S	48.5	2.8	33.0 - 46.0	S	39.6	2.1	36.0 - 55.0	S	45.9	3.1	37.0 - 52.0	S	44.2	2.4	10
Siemens Dimension & Siemens Dimension Xpand	3	38.0 - 51.0	S	44.3	2.1	35.0 - 53.0	S	44.0	3.0	37.0 - 53.0	S	45.4	2.6	36.0 - 51.0	S	43.5	2.5	36.0 - 49.0	S	42.4	2.1	14
Siemens Immulite & Siemens Immulite 2000	4	37.0 - 49.0	S	43.0	2.0	37.0 - 44.0	S	40.8	1.2	37.0 - 49.0	S	43.0	1.9	37.0 - 47.0	S	42.0	1.7	35.0 - 45.0	S	40.1	1.7	20
Initial Grouping by Reagent																						
Beckman Access	5	43.0 - 58.0	S	50.5	2.6	43.0 - 56.0	S	49.1	2.1	41.0 - 54.0	S	47.4	2.1	42.0 - 56.0	S	48.8	2.4	41.0 - 55.0	S	47.9	2.3	52
Siemens ADVIA Centaur/IMS	6	42.0 - 58.0	S	50.4	2.7	40.0 - 57.0	S	48.5	2.7	33.0 - 46.0	S	39.5	2.0	37.0 - 55.0	S	46.0	3.0	37.0 - 52.0	S	44.5	2.5	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	
Siemens Dimension	7	38.0 - 51.0 S	44.2	2.1		37.0 - 50.0 S	43.4	2.3	39.0 - 51.0 S	44.9	2.1	38.0 - 50.0 S	43.7	2.0	37.0 - 49.0 S	42.8	1.9	39
Siemens Immulite	8	35.0 - 52.0 S	43.2	2.8		37.0 - 45.0 S	41.1	1.4	36.0 - 49.0 S	42.8	2.2	38.0 - 47.0 S	42.3	1.6	35.0 - 46.0 S	40.3	1.8	30
Tosoh AIA	9	39.0 - 54.0 S	46.8	2.6		39.0 - 52.0 S	45.8	2.2	38.0 - 52.0 S	45.3	2.3	41.0 - 51.0 S	45.9	1.8	37.0 - 54.0 S	45.4	2.8	16

Initial Grouping by Sensitivity or Principle

Low moderate recovery meths	10	37.0 - 59.0 S	47.7	3.7		33.0 - 59.0 S	46.2	4.4	29.0 - 59.0 S	43.8	5.1	36.0 - 54.0 S	45.5	3.0	36.0 - 52.0 S	43.9	2.7	28
Moderate recovery methods	11	35.0 - 53.0 S	43.6	3.0		35.0 - 48.0 S	41.6	2.1	35.0 - 52.0 S	43.4	2.7	36.0 - 49.0 S	42.8	2.2	33.0 - 49.0 S	40.9	2.5	34
High moderate recovery meth	12	37.0 - 54.0 S	45.3	2.8		36.0 - 53.0 S	44.5	2.8	39.0 - 51.0 S	45.1	2.1	37.0 - 52.0 S	44.6	2.4	36.0 - 52.0 S	43.9	2.7	59
Very high recovery methods	13	43.0 - 58.0 S	50.5	2.6		43.0 - 56.0 S	49.1	2.1	41.0 - 54.0 S	47.4	2.1	42.0 - 56.0 S	48.8	2.4	41.0 - 55.0 S	47.9	2.3	52

Total Population

Whole Population	14	35.0 - 59.0 S	47.1	4.1		33.0 - 59.0 S	46.0	4.2	35.0 - 55.0 S	45.2	3.3	35.0 - 57.0 S	45.9	3.5	33.0 - 56.0 S	44.8	3.8	189
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T-Uptake Ratio to Normal

Initial Grouping by Sensitivity or Principle

Other	1	0.1 - 0.99 S	0.548	0.149		0.0 - 1.22 S	0.594	0.207	0.27 - 0.67 S	0.470	0.066	0.14 - 0.97 S	0.554	0.137	0.01 - 1.19 S	0.600	0.196	12
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Total Population

Whole Population	2	0.0 - 2.06 S	0.550	0.503		0.0 - 1.69 S	0.553	0.378	0.0 - 3.1 S	0.661	0.814	0.0 - 2.24 S	0.600	0.546	0.0 - 1.9 S	0.573	0.442	21
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