



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 Sensitivity or Principle																						
All Siemens Methods	1	175.0 - 316.3	S	245.65	23.55	245.9 - 427.5	S	336.72	30.28	153.5 - 263.6	S	208.56	18.34	0.3 - 1.2	S	0.78	0.15	118.6 - 206.0	S	162.30	14.57	10
Total Population																						
Whole Population	2	190.3 - 323.4	S	256.85	22.19	258.1 - 433.7	S	345.92	29.28	157.4 - 270.8	S	214.06	18.90	0.0 - 5.3	S	1.14	1.39	128.4 - 209.1	S	168.74	13.45	22
Amylase																						
Initial Grouping by Reagent and Instrument																						
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	297.0 - 551.0	P	423.6	11.6	156.0 - 291.0	P	223.5	6.5	368.0 - 683.0	P	525.6	14.6	61.0 - 114.0	P	87.8	3.0	438.0 - 813.0	P	625.6	18.9	19
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	298.0 - 553.0	P	425.4	15.0	156.0 - 290.0	P	222.7	12.8	371.0 - 690.0	P	530.6	18.8	58.0 - 107.0	P	82.5	6.0	446.0 - 829.0	P	637.5	24.0	17
Beckman AMY & Beckman Unicel DXC series	3	130.0 - 242.0	P	186.3	5.0	104.0 - 192.0	P	148.1	36.0	154.0 - 285.0	P	219.3	6.3	43.0 - 80.0	P	61.5	12.5	176.0 - 327.0	P	251.5	6.9	45
J&J Vitros & J&J Vitros not DT or ECi	4	100.0 - 185.0	P	142.2	8.0	54.0 - 100.0	P	76.6	5.6	129.0 - 239.0	P	183.8	11.1	22.0 - 40.0	P	31.0	2.0	160.0 - 296.0	P	227.9	15.3	50
J&J Vitros & J&J Vitros 5,1 FS	5	98.0 - 183.0	P	140.5	7.4	55.0 - 101.0	P	78.1	4.5	124.0 - 229.0	P	176.5	11.6	21.0 - 39.0	P	30.0	0.0	152.0 - 283.0	P	217.5	13.8	15
Siemens Dimension & Siemens Dimension Rxl	6	311.0 - 577.0	P	444.1	7.9	157.0 - 291.0	P	224.2	5.0	390.0 - 725.0	P	557.6	12.1	63.0 - 117.0	P	90.4	1.7	472.0 - 877.0	P	674.6	19.7	15
Siemens Dimension & Siemens Dimension Xpand	7	314.0 - 584.0	P	449.0	8.9	158.0 - 294.0	P	226.0	4.2	394.0 - 731.0	P	562.3	10.1	64.0 - 118.0	P	90.8	2.0	484.0 - 898.0	P	691.1	19.9	63
Siemens Dimension & Siemens Dimension EXL	8	313.0 - 582.0	P	447.3	7.4	158.0 - 293.0	P	225.1	3.5	392.0 - 728.0	P	560.2	8.6	64.0 - 119.0	P	91.3	1.7	483.0 - 896.0	P	689.5	17.1	23
Initial Grouping by Reagent																						
Abbott Aeroset/Architect	9	297.0 - 551.0	P	423.6	11.6	156.0 - 291.0	P	223.5	6.5	368.0 - 683.0	P	525.6	14.6	61.0 - 114.0	P	87.8	3.0	438.0 - 813.0	P	625.6	18.9	19
Alfa Wassermann	10	298.0 - 553.0	P	425.4	15.0	156.0 - 290.0	P	222.7	12.8	371.0 - 690.0	P	530.6	18.8	58.0 - 107.0	P	82.5	6.0	446.0 - 829.0	P	637.5	24.0	17
Beckman AMY	11	129.0 - 239.0	P	183.9	5.8	98.0 - 182.0	P	139.7	33.6	152.0 - 282.0	P	216.8	6.7	42.0 - 78.0	P	60.1	12.6	174.0 - 322.0	P	248.1	8.1	66
Carolina	12	462.0 - 858.0	P	659.7	23.8	250.0 - 464.0	P	356.6	12.8	568.0 - 1055.0	P	811.5	28.8	106.0 - 196.0	P	150.9	9.9	679.0 - 1261.0	P	970.2	37.2	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		
DCL/Genzyme	13	268.0 - 497.0	P	382.4	41.3	137.0 - 255.0	P	196.4	24.0	332.0 - 616.0	P	473.6	52.2	54.0 - 100.0	P	77.0	9.4	397.0 - 738.0	P	567.6	66.7	10
J&J Vitros	14	99.0 - 184.0	P	141.7	8.2	54.0 - 100.0	P	76.7	5.7	127.0 - 237.0	P	182.0	12.2	22.0 - 40.0	P	30.8	1.8	158.0 - 294.0	P	226.1	15.9	76
Beckman Olympus	15	233.0 - 432.0	P	332.4	16.1	118.0 - 219.0	P	168.6	7.8	290.0 - 538.0	P	414.1	18.8	47.0 - 88.0	P	67.6	3.5	349.0 - 648.0	P	498.8	24.5	48
Roche Cobas alpha-amylase	16	249.0 - 462.0	P	355.2	9.5	133.0 - 248.0	P	190.5	5.4	304.0 - 565.0	P	434.4	9.6	51.0 - 96.0	P	73.5	2.0	360.0 - 669.0	P	514.6	10.8	32
Siemens	17	257.0 - 477.0	P	367.2	13.4	135.0 - 250.0	P	192.4	5.4	317.0 - 588.0	P	452.4	19.6	52.0 - 97.0	P	74.6	3.0	377.0 - 699.0	P	537.9	22.5	10
Siemens Dimension	18	314.0 - 583.0	P	448.2	8.1	158.0 - 294.0	P	225.9	4.1	393.0 - 730.0	P	561.6	10.4	64.0 - 118.0	P	90.9	2.1	482.0 - 895.0	P	688.6	19.3	153

Initial Grouping by Sensitivity or Principle

Extremely low recovery meth	19	117.0 - 217.0	P	166.9	45.0	76.0 - 141.0	P	108.3	41.2	144.0 - 268.0	P	206.2	53.5	32.0 - 60.0	P	46.1	17.6	173.0 - 322.0	P	247.4	61.2	150
Low moderate recovery meth	20	237.0 - 441.0	P	339.2	21.2	121.0 - 225.0	P	173.1	12.6	295.0 - 548.0	P	421.7	24.8	48.0 - 90.0	P	69.1	4.7	355.0 - 659.0	P	506.6	29.2	59
Moderate recovery methods	21	263.0 - 489.0	P	375.9	41.5	138.0 - 256.0	P	197.0	21.0	328.0 - 609.0	P	468.4	56.1	55.0 - 102.0	P	78.2	9.3	392.0 - 729.0	P	560.4	67.7	38
High moderate recovery meth	22	322.0 - 598.0	P	459.8	61.3	165.0 - 306.0	P	235.4	36.5	402.0 - 746.0	P	573.9	73.3	66.0 - 123.0	P	94.4	17.3	489.0 - 908.0	P	698.7	87.2	218
All other methods	23	249.0 - 462.0	P	355.2	9.5	133.0 - 248.0	P	190.5	5.4	304.0 - 565.0	P	434.4	9.6	51.0 - 96.0	P	73.5	2.0	360.0 - 669.0	P	514.6	10.8	32

Total Population

Whole Population	24	282.0 - 524.0	P	403.4	53.0	140.0 - 259.0	P	199.6	33.1	353.0 - 655.0	P	503.8	66.3	55.0 - 103.0	P	79.1	13.2	424.0 - 787.0	P	605.1	85.6	514
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Cortisol

Initial Grouping by Reagent and Instrument

Beckman Access luminometric & Beckman Access luminometer	1	14.0 - 24.0	P	19.2	1.2	18.0 - 30.0	P	23.9	1.7	12.0 - 21.0	P	16.4	1.0	4.0 - 7.0	P	5.2	0.5	11.0 - 18.0	P	14.3	1.1	12
Siemens Immulite & Siemens Immulite 2000	2	14.0 - 24.0	P	19.3	1.3	18.0 - 30.0	P	23.9	1.5	13.0 - 21.0	P	17.1	1.1	4.0 - 6.0	P	5.2	0.7	10.0 - 17.0	P	13.8	1.3	15

Initial Grouping by Reagent

Beckman Access luminometric	3	14.0 - 24.0	P	19.3	1.1	18.0 - 30.0	P	24.1	1.7	12.0 - 21.0	P	16.6	1.1	4.0 - 7.0	P	5.3	0.5	11.0 - 18.0	P	14.5	1.1	15
Siemens Immulite	4	15.0 - 24.0	P	19.6	1.4	18.0 - 30.0	P	24.4	1.8	13.0 - 22.0	P	17.4	1.2	4.0 - 7.0	P	5.4	0.7	11.0 - 18.0	P	14.0	1.3	20

Initial Grouping by Sensitivity or Principle

Immunofluorometric-not FPIA	5	13.0 - 21.0	P	17.0	2.1	16.0 - 27.0	P	21.7	2.6	11.0 - 19.0	P	15.1	1.8	4.0 - 6.0	P	4.7	0.7	10.0 - 16.0	P	13.0	1.8	10
Luminometric	6	14.0 - 24.0	P	19.2	1.3	18.0 - 30.0	P	24.1	1.7	13.0 - 21.0	P	16.8	1.3	4.0 - 6.0	P	5.1	0.7	11.0 - 18.0	P	14.1	1.2	49
Radiometric	7	14.0 - 23.0	P	18.3	1.4	19.0 - 32.0	P	25.4	2.5	12.0 - 20.0	P	16.3	1.0	3.0 - 5.0	P	4.2	0.8	10.0 - 17.0	P	13.9	1.5	12

Total Population

Whole Population	8	14.0 - 23.0	P	18.8	1.7	18.0 - 30.0	P	24.0	2.4	12.0 - 21.0	P	16.5	1.5	4.0 - 6.0	P	4.9	0.7	10.0 - 17.0	P	13.9	1.4	77
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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		
Creatine Kinase, Total (CK or CPK)																		
Initial Grouping by Reagent and Instrument																		
Abbott & Abbott Architect c, ci, i	1	284.0 - 528.0	P 405.8	10.3	444.0 - 825.0	P 634.9	13.6	206.0 - 382.0	P 293.6	6.4	36.0 - 67.0	P 51.5	1.3	128.0 - 238.0	P 183.2	4.4	20	
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	244.0 - 452.0	P 348.1	21.8	377.0 - 700.0	P 538.2	28.8	181.0 - 337.0	P 258.9	13.5	36.0 - 66.0	P 50.7	4.9	114.0 - 213.0	P 163.6	9.0	15	
Beckman & Beckman Unicel DXC series	3	285.0 - 530.0	P 407.8	10.4	445.0 - 826.0	P 635.4	14.5	206.0 - 383.0	P 294.9	7.7	39.0 - 72.0	P 55.1	2.1	129.0 - 239.0	P 184.1	5.8	55	
J&J Vitros & J&J Vitros not DT or ECi	4	218.0 - 405.0	P 311.5	21.4	301.0 - 558.0	P 429.5	26.8	165.0 - 306.0	P 235.4	17.8	26.0 - 49.0	P 37.4	4.1	109.0 - 203.0	P 156.3	10.7	43	
J&J Vitros & J&J Vitros 5,1 FS	5	210.0 - 391.0	P 300.6	27.9	294.0 - 546.0	P 419.7	37.9	162.0 - 300.0	P 230.7	19.9	25.0 - 47.0	P 36.1	4.3	105.0 - 196.0	P 150.7	14.2	15	
Siemens Dimension, Dim Flex & Siemens Dimension Rxl	6	259.0 - 481.0	P 369.7	17.4	406.0 - 754.0	P 579.7	18.5	188.0 - 349.0	P 268.2	12.0	30.0 - 56.0	P 42.8	5.9	115.0 - 214.0	P 164.9	11.0	12	
Siemens Dimension, Dim Flex & Siemens Dimension Xpand	7	263.0 - 489.0	P 376.2	8.3	410.0 - 762.0	P 586.2	10.8	190.0 - 352.0	P 271.0	6.3	30.0 - 57.0	P 43.5	4.5	117.0 - 217.0	P 166.6	6.0	64	
Siemens Dimension, Dim Flex & Siemens Dimension EXL	8	263.0 - 489.0	P 376.4	6.2	408.0 - 758.0	P 582.8	10.2	190.0 - 354.0	P 272.0	4.8	32.0 - 60.0	P 45.8	4.1	119.0 - 221.0	P 169.7	4.6	22	
Initial Grouping by Reagent																		
Abbott	9	284.0 - 528.0	P 405.8	10.3	444.0 - 825.0	P 634.9	13.6	206.0 - 382.0	P 293.6	6.4	36.0 - 67.0	P 51.5	1.3	128.0 - 238.0	P 183.2	4.4	20	
Alfa Wassermann	10	244.0 - 452.0	P 348.1	21.8	377.0 - 700.0	P 538.2	28.8	181.0 - 337.0	P 258.9	13.5	36.0 - 66.0	P 50.7	4.9	114.0 - 213.0	P 163.6	9.0	15	
Beckman	11	282.0 - 524.0	P 403.1	13.6	441.0 - 819.0	P 629.7	19.9	204.0 - 380.0	P 292.0	10.7	38.0 - 71.0	P 54.6	2.4	128.0 - 237.0	P 182.2	7.1	77	
Carolina	12	239.0 - 443.0	P 341.0	26.2	368.0 - 683.0	P 525.1	31.7	171.0 - 318.0	P 244.8	19.1	30.0 - 57.0	P 43.5	4.7	107.0 - 199.0	P 152.8	12.5	19	
J&J Vitros	13	216.0 - 401.0	P 308.6	23.8	299.0 - 555.0	P 427.3	31.5	164.0 - 305.0	P 234.8	18.5	26.0 - 48.0	P 37.2	4.3	109.0 - 202.0	P 155.3	12.2	70	
Beckman Olympus	14	248.0 - 461.0	P 354.8	16.6	387.0 - 718.0	P 552.3	23.6	180.0 - 335.0	P 257.8	11.7	32.0 - 59.0	P 45.5	2.7	112.0 - 209.0	P 160.4	7.9	51	
Pointe Sci	15	234.0 - 435.0	P 334.8	43.3	363.0 - 674.0	P 518.2	62.1	170.0 - 315.0	P 242.3	25.7	30.0 - 55.0	P 42.6	4.8	106.0 - 197.0	P 151.3	14.8	13	
Roche Cobas	16	266.0 - 494.0	P 380.1	23.1	413.0 - 767.0	P 589.8	36.3	192.0 - 357.0	P 274.4	16.8	35.0 - 64.0	P 49.5	4.0	120.0 - 222.0	P 170.7	12.1	31	
Siemens Advia	17	260.0 - 482.0	P 371.1	9.6	410.0 - 762.0	P 586.4	18.1	187.0 - 348.0	P 267.5	7.5	33.0 - 60.0	P 46.5	1.9	116.0 - 215.0	P 165.6	5.1	11	
Siemens Dimension, Dim Flex	18	263.0 - 488.0	P 375.5	9.7	410.0 - 761.0	P 585.5	12.6	190.0 - 352.0	P 271.1	7.0	31.0 - 57.0	P 44.0	4.7	117.0 - 217.0	P 167.1	6.4	147	
Initial Grouping by Sensitivity or Principle																		
Low recovery methods	19	217.0 - 402.0	P 309.3	24.4	301.0 - 558.0	P 429.5	36.4	165.0 - 306.0	P 235.1	18.6	26.0 - 49.0	P 37.4	4.4	109.0 - 202.0	P 155.3	12.1	71	
Low moderate recovery meths	20	247.0 - 458.0	P 352.4	28.4	384.0 - 712.0	P 548.0	41.4	178.0 - 331.0	P 254.9	18.8	32.0 - 59.0	P 45.0	4.1	111.0 - 206.0	P 158.8	12.3	95	
		264.0 -			410.0 -			190.0 -						118.0 -				

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	
Moderate recovery methods	21	490.0	P 377.2	29.6	761.0	P 585.2	55.4	353.0	P 271.5	19.7	35.0 - 65.0	P 50.3	10.3	219.0	P 168.8	12.1	57	
High moderate recovery meth	22	244.0 - 452.0	P 348.1	21.8	377.0 - 700.0	P 538.2	28.8	181.0 - 337.0	P 258.9	13.5	36.0 - 66.0	P 50.7	4.9	114.0 - 213.0	P 163.6	9.0	15	
High recovery methods	23	262.0 - 486.0	P 373.9	13.7	408.0 - 758.0	P 582.8	20.4	189.0 - 351.0	P 269.6	10.4	31.0 - 58.0	P 44.3	4.6	117.0 - 217.0	P 166.6	7.3	170	
Very high recovery methods	24	275.0 - 510.0	P 392.4	31.3	429.0 - 797.0	P 613.4	64.6	200.0 - 371.0	P 285.1	26.2	37.0 - 68.0	P 52.3	4.9	126.0 - 233.0	P 179.5	31.5	121	
Total Population																		
Whole Population	25	256.0 - 476.0	P 365.9	34.5	395.0 - 734.0	P 564.8	64.9	186.0 - 345.0	P 265.7	22.8	32.0 - 60.0	P 46.0	6.3	116.0 - 216.0	P 166.3	13.3	538	

Gamma-Glutamyltransferase (GGT)

Initial Grouping by Reagent and Instrument

Abbott & Abbott Architect c, ci, i	1	142.0 - 213.0	P 177.8	8.6	78.0 - 118.0	P 98.1	4.9	174.0 - 261.0	P 217.4	10.8	13.0 - 33.0	C 23.4	1.4	206.0 - 309.0	P 257.6	12.3	12
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	96.0 - 144.0	P 119.9	4.6	55.0 - 83.0	P 69.2	3.4	118.0 - 176.0	P 147.1	5.1	8.0 - 28.0	C 18.4	1.9	140.0 - 210.0	P 175.2	7.2	17
Beckman & Beckman Unicel DXC series	3	144.0 - 217.0	P 180.4	7.2	79.0 - 118.0	P 98.6	3.5	177.0 - 266.0	P 221.9	9.5	16.0 - 36.0	C 25.6	1.5	212.0 - 318.0	P 265.2	11.4	40
J&J Vitros & J&J Vitros not DT or ECi	4	185.0 - 277.0	P 231.1	6.7	102.0 - 153.0	P 127.2	4.4	226.0 - 338.0	P 282.0	7.7	21.0 - 41.0	C 30.7	2.7	267.0 - 401.0	P 334.2	9.1	26
J&J Vitros & J&J Vitros 5,1 FS	5	184.0 - 276.0	P 230.1	5.8	104.0 - 157.0	P 130.5	4.7	224.0 - 336.0	P 279.8	6.0	26.0 - 46.0	C 36.4	1.6	266.0 - 399.0	P 332.5	7.8	10
Siemens Dimension & Siemens Dimension Rxl	6	157.0 - 235.0	P 195.7	4.5	90.0 - 135.0	P 112.5	3.1	191.0 - 286.0	P 238.4	5.4	21.0 - 41.0	C 31.2	2.1	224.0 - 336.0	P 280.1	5.1	11
Siemens Dimension & Siemens Dimension Xpand	7	157.0 - 236.0	P 196.3	5.2	90.0 - 136.0	P 113.0	4.1	192.0 - 288.0	P 239.7	6.5	21.0 - 41.0	C 31.5	2.4	225.0 - 338.0	P 281.8	7.2	25
Siemens Dimension & Siemens Dimension EXL	8	158.0 - 237.0	P 197.3	3.5	91.0 - 136.0	P 113.3	1.8	192.0 - 289.0	P 240.5	2.8	23.0 - 43.0	C 33.1	1.2	226.0 - 340.0	P 283.1	3.8	15

Initial Grouping by Reagent

Abbott	9	143.0 - 214.0	P 178.2	8.3	79.0 - 118.0	P 98.2	4.7	174.0 - 262.0	P 217.9	10.5	13.0 - 33.0	C 23.4	1.4	207.0 - 310.0	P 258.2	12.0	13
Alfa Wassermann	10	96.0 - 144.0	P 119.9	4.6	55.0 - 83.0	P 69.2	3.4	118.0 - 176.0	P 147.1	5.1	8.0 - 28.0	C 18.4	1.9	140.0 - 210.0	P 175.2	7.2	17
Beckman	11	143.0 - 214.0	P 178.2	8.5	78.0 - 117.0	P 97.3	4.6	175.0 - 263.0	P 219.3	10.4	15.0 - 35.0	C 25.3	1.6	209.0 - 314.0	P 261.8	12.4	58
Carolina	12	93.0 - 140.0	P 116.4	7.2	53.0 - 79.0	P 66.0	4.3	112.0 - 169.0	P 140.6	5.9	7.0 - 27.0	C 16.9	1.6	136.0 - 203.0	P 169.4	10.3	18
J&J Vitros	13	185.0 - 277.0	P 230.7	6.7	102.0 - 154.0	P 128.1	4.7	225.0 - 337.0	P 281.0	7.7	23.0 - 43.0	C 32.7	3.5	266.0 - 399.0	P 332.8	9.7	44
Beckman Olympus	14	107.0 - 161.0	P 134.2	6.7	60.0 - 90.0	P 75.4	4.1	132.0 - 198.0	P 164.6	8.7	9.0 - 29.0	C 19.4	1.2	155.0 - 233.0	P 193.8	9.5	39
Roche Cobas	15	121.0 - 181.0	P 151.2	5.5	66.0 - 100.0	P 83.0	3.4	148.0 - 222.0	P 185.1	7.1	10.0 - 30.0	C 19.7	1.5	176.0 - 263.0	P 219.5	8.4	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	16	127.0 - 190.0	P	158.4	5.0	70.0 - 104.0	P	86.9	3.4	154.0 - 231.0	P	192.1	5.3	10.0 - 30.0	C	20.1	1.8	185.0 - 277.0	P	230.6	8.6	11
Siemens Dimension	17	158.0 - 236.0	P	196.9	4.6	90.0 - 135.0	P	112.8	3.4	192.0 - 288.0	P	239.7	5.5	22.0 - 42.0	C	31.7	2.4	226.0 - 339.0	P	282.2	6.3	76
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meth	18	104.0 - 157.0	P	130.5	13.4	59.0 - 88.0	P	73.4	7.2	128.0 - 192.0	P	159.9	16.7	9.0 - 29.0	C	19.2	2.9	151.0 - 227.0	P	188.9	18.6	75
Moderate recovery methods	19	113.0 - 169.0	P	140.8	16.6	62.0 - 93.0	P	77.8	8.5	138.0 - 207.0	P	172.2	20.8	9.0 - 29.0	C	19.2	3.0	163.0 - 245.0	P	203.9	24.0	76
High moderate recovery meth	20	125.0 - 187.0	P	156.2	6.9	69.0 - 103.0	P	85.7	3.7	151.0 - 227.0	P	189.0	8.2	10.0 - 30.0	C	20.4	2.1	182.0 - 272.0	P	226.9	10.1	18
High recovery methods	21	142.0 - 214.0	P	178.0	8.5	78.0 - 117.0	P	97.3	4.8	175.0 - 262.0	P	218.6	11.0	15.0 - 35.0	C	24.9	1.8	208.0 - 313.0	P	260.5	13.1	72
Very high recovery methods	22	167.0 - 251.0	P	209.1	17.1	95.0 - 142.0	P	118.5	8.4	203.0 - 305.0	P	254.3	20.8	22.0 - 42.0	C	32.1	2.9	240.0 - 361.0	P	300.6	25.6	120
Total Population																						
Whole Population	23	132.0 - 198.0	P	165.0	30.8	74.0 - 111.0	P	92.4	17.8	161.0 - 242.0	P	201.7	37.3	14.0 - 34.0	C	23.9	5.0	191.0 - 287.0	P	239.3	44.1	369

Human Chorionic Gonadotropin (hCG)

Initial Grouping by Reagent and Instrument

Abbott Total b-hCG & Abbott AxSYM	1	1801.0 - 2724.0	S	2262.2	153.9	652.0 - 1560.0	S	1106.0	151.3	2397.0 - 3384.0	S	2890.9	164.5	0.0 - 6.0	S	2.0	1.5	2555.0 - 4364.0	S	3459.5	301.5	14
Beckman Access & Beckman Access luminometer	2	1269.0 - 2338.0	S	1803.6	178.3	588.0 - 958.0	S	773.1	61.8	1631.0 - 2903.0	S	2266.7	212.1	2.0 - 2.0	S	2.0	0.0	1923.0 - 3353.0	S	2637.8	238.4	56
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	3	909.0 - 2911.0	S	1910.1	333.6	774.0 - 1330.0	S	1052.4	92.6	736.0 - 4018.0	S	2377.1	547.0	1.0 - 3.0	S	2.1	0.2	224.0 - 5216.0	S	2720.2	832.0	20
J&J Vitros ECi & J&J Vitros ECi	4	1650.0 - 2105.0	S	1877.2	75.9	751.0 - 1023.0	S	887.2	45.3	2118.0 - 2706.0	S	2412.4	98.0	1.0 - 1.0	S	1.0	0.0	2584.0 - 3430.0	S	3007.2	140.9	12
Siemens Advia & Siemens Centaur/Centaur CP	5	1083.0 - 2358.0	S	1720.8	212.5	633.0 - 1157.0	S	894.7	87.3	1450.0 - 2845.0	S	2147.4	232.6	1.0 - 5.0	S	2.8	0.8	1675.0 - 3389.0	S	2531.6	285.7	18
Siemens Dimension & Siemens Dimension Xpand	6	1440.0 - 2140.0	S	1789.7	116.7	669.0 - 916.0	S	792.6	41.1	1862.0 - 2646.0	S	2253.7	130.7	1.0 - 1.0	S	1.0	0.0	2026.0 - 3382.0	S	2704.2	225.9	24
Siemens Dimension & Siemens Dimension EXL	7	1147.0 - 2355.0	S	1750.6	201.3	648.0 - 902.0	S	775.1	42.4	1638.0 - 2770.0	S	2203.9	188.8	1.0 - 1.0	S	1.0	0.0	2017.0 - 3201.0	S	2609.0	197.3	14
Siemens Immulite 2000 & Siemens Immulite 2000	8	1665.0 - 2733.0	S	2199.0	178.0	887.0 - 1312.0	S	1099.7	70.8	1836.0 - 3591.0	S	2713.2	292.5	0.0 - 6.0	S	2.2	1.3	2348.0 - 4035.0	S	3191.2	281.2	17
Tosoh Total b-hCG & Tosoh Medics ST AIA	9	1575.0 - 2298.0	S	1936.8	120.5	743.0 - 1241.0	S	992.2	83.0	1837.0 - 2972.0	S	2404.4	189.2	0.0 - 6.0	S	2.3	1.1	2274.0 - 3537.0	S	2905.6	210.4	17

Initial Grouping by Reagent

Abbott Total b-hCG	10	1315.0 - 2992.0	S	2153.2	279.6	543.0 - 1575.0	S	1059.0	172.0	1628.0 - 3850.0	S	2738.9	370.3	0.0 - 7.0	S	2.2	1.6	1837.0 - 4726.0	S	3281.2	481.4	17
Beckman Access	11	1294.0 - 2330.0	S	1812.2	172.7	596.0 - 951.0	S	773.4	59.1	1666.0 - 2878.0	S	2271.8	202.1	1.0 - 4.0	S	2.4	0.5	1936.0 - 3392.0	S	2663.7	242.6	64

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		
bioMerieux Vidas	12	1093.0 - 2814.0	S	1953.4	286.9	774.0 - 1330.0	S	1052.4	92.6	1015.0 - 3873.0	S	2444.0	476.2	2.0 - 2.0	S	2.0	0.0	532.0 - 5090.0	S	2811.2	759.6	20
J&J Vitros ECi	13	1676.0 - 2093.0	S	1884.6	69.4	770.0 - 1028.0	S	899.4	43.0	2152.0 - 2659.0	S	2405.1	84.5	0.0 - 4.0	S	1.6	0.8	2605.0 - 3375.0	S	2990.3	128.4	17
Roche Elecsys	14	1343.0 - 2105.0	S	1724.1	126.9	698.0 - 1037.0	S	867.6	56.4	1635.0 - 2670.0	S	2152.4	172.4	1.0 - 1.0	S	1.0	0.0	1961.0 - 3185.0	S	2573.1	203.9	16
Roche HCG+b	15	1618.0 - 1957.0	S	1787.6	56.4	821.0 - 1001.0	S	910.6	30.0	2022.0 - 2416.0	S	2218.9	65.7	0.0 - 5.0	S	1.4	1.3	2442.0 - 2949.0	S	2695.5	84.4	11
Siemens Advia	16	1101.0 - 2340.0	S	1720.4	206.5	629.0 - 1152.0	S	890.2	87.2	1459.0 - 2824.0	S	2141.7	227.4	1.0 - 5.0	S	2.8	0.7	1687.0 - 3363.0	S	2524.6	279.3	19
Siemens Dimension	17	1319.0 - 2211.0	S	1764.7	148.6	665.0 - 921.0	S	793.2	42.6	1739.0 - 2721.0	S	2230.0	163.7	1.0 - 1.0	S	1.0	0.0	2037.0 - 3316.0	S	2676.6	213.3	62
Siemens Immulite	18	1417.0 - 2635.0	S	2026.0	203.1	825.0 - 1240.0	S	1032.5	69.2	1620.0 - 3486.0	S	2552.6	311.0	2.0 - 2.0	S	2.0	0.0	2065.0 - 4241.0	S	3152.8	362.7	63
Siemens Immulite 2000	19	1665.0 - 2733.0	S	2199.0	178.0	887.0 - 1312.0	S	1099.7	70.8	1836.0 - 3591.0	S	2713.2	292.5	0.0 - 6.0	S	2.3	1.3	2348.0 - 4035.0	S	3191.2	281.2	17
Tosoh Total b-hCG	20	1583.0 - 2292.0	S	1937.6	118.1	776.0 - 1213.0	S	994.7	72.8	1879.0 - 2954.0	S	2416.3	179.2	0.0 - 6.0	S	2.3	1.1	2297.0 - 3510.0	S	2903.3	202.1	23
Initial Grouping by Sensitivity or Principle																						
Moderate recovery methods	21	925.0 - 2592.0	S	1758.6	277.9	480.0 - 1241.0	S	860.4	126.8	1456.0 - 3026.0	S	2241.1	261.7	0.0 - 4.0	S	1.8	0.8	1623.0 - 3681.0	S	2651.9	343.0	153
High recovery methods	22	1349.0 - 2698.0	S	2023.8	224.8	649.0 - 1400.0	S	1024.7	125.1	1589.0 - 3516.0	S	2552.5	321.1	0.0 - 6.0	S	2.2	1.3	1864.0 - 4264.0	S	3063.5	400.0	42
Very high recovery methods	23	1435.0 - 2692.0	S	2063.3	209.5	824.0 - 1270.0	S	1046.9	74.4	1651.0 - 3525.0	S	2587.6	312.4	0.0 - 6.0	S	2.3	1.3	2126.0 - 4197.0	S	3161.2	345.2	80
All other methods	24	1351.0 - 2304.0	S	1827.8	158.8	572.0 - 1029.0	S	800.2	76.2	1727.0 - 2873.0	S	2300.2	191.1	0.0 - 4.0	S	1.9	0.8	1953.0 - 3513.0	S	2733.1	260.0	81
Total Population																						
Whole Population	25	1211.0 - 2564.0	S	1887.3	225.6	510.0 - 1305.0	S	907.5	132.4	1535.0 - 3202.0	S	2368.2	277.9	2.0 - 4.0	S	3.1	0.3	1791.0 - 3872.0	S	2831.6	347.0	375

Iron

Initial Grouping by Reagent and Instrument

Beckman Ferrozine & Beckman Unicel DXC series	1	189.0 - 283.0	P	235.8	4.7	220.0 - 330.0	P	274.7	5.7	175.0 - 262.0	P	218.6	6.3	43.0 - 65.0	P	54.2	2.7	160.0 - 241.0	P	200.4	4.6	41
J&J Vitros & J&J Vitros not DT or ECi	2	204.0 - 306.0	P	255.1	13.1	244.0 - 366.0	P	304.9	18.1	186.0 - 279.0	P	232.7	12.3	36.0 - 53.0	P	44.5	4.8	167.0 - 250.0	P	208.7	10.8	15
J&J Vitros & J&J Vitros 5,1 FS	3	202.0 - 302.0	P	251.9	7.6	239.0 - 358.0	P	298.2	14.6	185.0 - 277.0	P	231.0	5.9	36.0 - 54.0	P	45.3	3.9	166.0 - 249.0	P	207.7	7.0	10
Siemens Dimension & Siemens Dimension Rxl	4	182.0 - 273.0	P	227.6	2.9	210.0 - 315.0	P	262.9	3.2	169.0 - 253.0	P	210.7	3.3	39.0 - 59.0	P	48.9	1.7	155.0 - 232.0	P	193.5	3.5	14
Siemens Dimension & Siemens Dimension Xpand	5	183.0 - 274.0	P	228.6	3.7	211.0 - 317.0	P	264.1	4.3	169.0 - 253.0	P	211.1	3.6	39.0 - 59.0	P	49.1	2.2	155.0 - 233.0	P	194.0	3.5	27
Sterling Ferrozine & Other spectrophotometers	6	182.0 - 273.0	P	227.9	9.5	208.0 - 312.0	P	259.9	17.6	170.0 - 255.0	P	212.4	20.3	48.0 - 71.0	P	59.6	20.9	153.0 - 230.0	P	191.4	12.0	10

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Initial Grouping by Reagent																						
Beckman Ferrozine	7	188.0 - 282.0	P	235.1	5.0	219.0 - 328.0	P	273.6	6.1	174.0 - 261.0	P	217.5	6.9	43.0 - 65.0	P	54.0	2.6	160.0 - 240.0	P	199.7	5.5	56
Carolina	8	185.0 - 278.0	P	231.3	7.6	215.0 - 323.0	P	269.3	9.6	170.0 - 255.0	P	212.5	8.0	39.0 - 58.0	P	48.4	4.0	156.0 - 234.0	P	195.1	5.6	23
DCL/Genzyme	9	164.0 - 246.0	P	205.0	16.6	189.0 - 284.0	P	236.4	21.8	152.0 - 229.0	P	190.4	15.4	36.0 - 54.0	P	45.1	3.7	142.0 - 213.0	P	177.6	15.4	20
J&J Vitros	10	203.0 - 305.0	P	253.9	10.6	241.0 - 361.0	P	301.2	16.7	185.0 - 277.0	P	231.1	10.3	35.0 - 53.0	P	44.2	4.0	166.0 - 249.0	P	207.5	9.4	34
Beckman Olympus Ferene	11	203.0 - 304.0	P	253.4	8.4	236.0 - 354.0	P	295.0	9.8	185.0 - 278.0	P	231.8	7.8	45.0 - 68.0	P	56.7	2.6	169.0 - 253.0	P	211.2	7.1	18
Beck Oly tripyridyltriazine	12	202.0 - 303.0	P	252.3	5.7	235.0 - 352.0	P	293.4	6.8	184.0 - 276.0	P	230.1	5.1	45.0 - 67.0	P	55.8	3.5	168.0 - 253.0	P	210.6	5.4	20
Roche Cobas	13	187.0 - 281.0	P	234.0	7.3	218.0 - 327.0	P	272.8	8.7	174.0 - 261.0	P	217.7	7.6	42.0 - 63.0	P	52.6	4.6	160.0 - 240.0	P	200.1	6.7	29
Siemens Dimension	14	182.0 - 273.0	P	227.7	3.7	210.0 - 316.0	P	263.0	4.0	168.0 - 252.0	P	210.3	3.6	39.0 - 59.0	P	48.8	2.0	154.0 - 232.0	P	193.0	3.7	71
Sterling Ferrozine	15	180.0 - 270.0	P	225.0	10.1	208.0 - 312.0	P	260.2	17.1	168.0 - 253.0	P	210.6	18.1	42.0 - 64.0	P	53.1	14.4	152.0 - 228.0	P	190.3	10.9	13
Initial Grouping by Sensitivity or Principle																						
Ferene-based	16	182.0 - 274.0	P	227.9	14.8	211.0 - 316.0	P	263.2	20.6	168.0 - 252.0	P	210.1	12.9	39.0 - 59.0	P	49.1	4.3	154.0 - 231.0	P	192.8	11.4	166
Ferrozine-based	17	184.0 - 276.0	P	230.1	12.5	214.0 - 321.0	P	267.4	15.3	171.0 - 256.0	P	213.3	13.3	42.0 - 63.0	P	52.2	6.4	156.0 - 234.0	P	195.4	10.8	150
Tripyridyltriazine (TPTZ)	18	199.0 - 298.0	P	248.3	19.0	233.0 - 350.0	P	291.5	10.9	184.0 - 276.0	P	229.7	5.3	47.0 - 71.0	P	58.8	14.4	170.0 - 254.0	P	212.0	8.3	21
All other methods	19	203.0 - 305.0	P	253.9	10.6	241.0 - 361.0	P	301.2	16.7	185.0 - 277.0	P	231.1	10.3	35.0 - 53.0	P	44.2	4.0	166.0 - 249.0	P	207.5	9.4	34
Total Population																						
Whole Population	20	186.0 - 279.0	P	232.2	15.9	216.0 - 324.0	P	270.2	20.1	171.0 - 257.0	P	214.3	14.2	40.0 - 60.0	P	50.1	5.0	157.0 - 235.0	P	196.2	12.0	380

Lactic Acid

Initial Grouping by Reagent																						
Siemens Dimension, Dim Flex	1	3.7 - 6.1	P	4.89	0.16	4.8 - 8.0	P	6.39	0.16	3.1 - 5.2	P	4.16	0.18	0.5 - 1.1	C	0.83	0.16	2.5 - 4.1	P	3.29	0.19	10
Initial Grouping by Sensitivity or Principle																						
Luminometric	2	3.6 - 6.0	P	4.77	0.25	4.6 - 7.6	P	6.07	0.55	3.1 - 5.2	P	4.12	0.18	0.7 - 1.3	C	0.99	0.29	2.5 - 4.2	P	3.34	0.20	15
Total Population																						
Whole Population	3	4.9 - 8.2	P	6.57	8.94	6.2 - 10.4	P	8.29	11.31	6.1 - 10.2	P	8.17	12.02	1.1 - 1.8	P	1.47	2.24	3.5 - 5.8	P	4.61	6.28	38

Lactate Dehydrogenase, Total (LD or LDH)

Initial Grouping by Reagent and Instrument																													
381.0 -						197.0 -						471.0 -						100.0 -						558.0 -					

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		
Abbott & Abbott Architect c, ci, i	1	571.0	P	476.2	8.7	296.0	P	246.4	5.4	707.0	P	588.8	10.3	150.0	P	125.3	4.7	838.0	P	698.0	12.2	15
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	275.0 - 412.0	P	343.7	10.7	139.0 - 209.0	P	174.1	7.1	345.0 - 518.0	P	431.6	13.6	72.0 - 108.0	P	90.1	3.2	413.0 - 619.0	P	515.7	20.7	15
Beckman & Beckman Unicel DXC series	3	331.0 - 497.0	P	414.3	12.5	164.0 - 246.0	P	205.4	6.9	411.0 - 617.0	P	514.1	16.2	80.0 - 120.0	P	100.4	4.3	491.0 - 736.0	P	613.2	19.7	46
J&J Vitros & J&J Vitros not DT or ECi	4	1319.0 - 1979.0	P	1648.8	50.9	631.0 - 947.0	P	789.1	22.4	1758.0 - 2636.0	P	2197.0	100.8	322.0 - 484.0	P	403.0	16.9	2001.0 - 3002.0	P	2501.6	214.1	32
J&J Vitros & J&J Vitros 5,1 FS	5	1318.0 - 1977.0	P	1647.8	44.4	624.0 - 936.0	P	780.1	20.4	1728.0 - 2591.0	P	2159.5	77.4	317.0 - 476.0	P	396.5	15.7	2139.0 - 3208.0	P	2673.2	82.6	10
Siemens Dimension, Dim Flex & Siemens Dimension Xpand	6	364.0 - 545.0	P	454.6	37.0	180.0 - 270.0	P	224.9	16.9	455.0 - 683.0	P	569.1	50.2	89.0 - 133.0	P	111.2	8.6	565.0 - 847.0	P	706.1	47.7	34
Initial Grouping by Method																						
Abbott	7	382.0 - 572.0	P	476.9	8.9	197.0 - 296.0	P	246.6	5.8	472.0 - 707.0	P	589.5	10.3	100.0 - 150.0	P	124.8	4.8	560.0 - 840.0	P	700.2	14.7	17
Alfa Wassermann	8	275.0 - 412.0	P	343.7	10.7	139.0 - 209.0	P	174.1	7.1	345.0 - 518.0	P	431.6	13.6	72.0 - 108.0	P	90.1	3.2	413.0 - 619.0	P	515.7	20.7	15
Beckman	9	328.0 - 492.0	P	409.7	16.3	163.0 - 244.0	P	203.7	7.6	407.0 - 611.0	P	509.0	19.3	80.0 - 120.0	P	99.6	4.3	486.0 - 729.0	P	607.6	22.3	64
Carolina	10	300.0 - 450.0	P	375.4	22.3	155.0 - 233.0	P	194.2	11.8	364.0 - 545.0	P	454.5	29.8	79.0 - 118.0	P	98.7	8.0	426.0 - 639.0	P	532.8	34.9	14
J&J Vitros	11	1315.0 - 1973.0	P	1643.9	50.7	630.0 - 944.0	P	787.0	23.1	1742.0 - 2613.0	P	2177.4	98.7	321.0 - 481.0	P	400.7	18.2	2048.0 - 3073.0	P	2560.5	207.0	51
Beckman Olympus	12	338.0 - 507.0	P	422.6	22.8	165.0 - 247.0	P	205.9	11.6	425.0 - 637.0	P	530.9	29.1	82.0 - 122.0	P	102.1	6.7	511.0 - 767.0	P	638.9	35.4	39
Roche Cobas	13	400.0 - 601.0	P	500.4	14.8	198.0 - 296.0	P	247.0	7.8	499.0 - 749.0	P	624.2	18.8	99.0 - 149.0	P	124.2	3.9	596.0 - 894.0	P	745.4	24.8	20
Roche/Hitachi/Integra ver.2	14	397.0 - 595.0	P	495.7	18.0	194.0 - 291.0	P	242.3	9.0	494.0 - 742.0	P	618.0	19.4	98.0 - 147.0	P	122.7	5.6	593.0 - 889.0	P	741.1	23.9	10
Siemens	15	390.0 - 585.0	P	487.2	10.9	195.0 - 292.0	P	243.5	6.6	484.0 - 726.0	P	604.6	14.1	96.0 - 144.0	P	119.8	3.4	584.0 - 876.0	P	730.2	18.6	11
Siemens Dimension, Dim Flex	16	365.0 - 547.0	P	456.2	37.1	180.0 - 271.0	P	225.5	17.1	456.0 - 683.0	P	569.5	50.8	89.0 - 134.0	P	111.5	8.9	566.0 - 849.0	P	707.3	53.2	82
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	17	275.0 - 412.0	P	343.7	10.7	139.0 - 209.0	P	174.1	7.1	345.0 - 518.0	P	431.6	13.6	72.0 - 108.0	P	90.1	3.2	413.0 - 619.0	P	515.7	20.7	15
Low moderate recovery meths	18	334.0 - 501.0	P	417.2	23.4	165.0 - 247.0	P	206.0	11.2	418.0 - 626.0	P	521.9	31.8	81.0 - 122.0	P	101.6	7.6	501.0 - 752.0	P	626.3	43.1	112
Moderate recovery methods	19	364.0 - 547.0	P	455.6	39.8	181.0 - 272.0	P	226.8	20.0	455.0 - 682.0	P	568.4	52.0	90.0 - 136.0	P	113.0	10.3	558.0 - 837.0	P	697.3	59.6	117
High moderate recovery meth	20	369.0 - 553.0	P	460.9	56.4	185.0 - 277.0	P	230.7	24.5	456.0 - 683.0	P	569.6	75.5	92.0 - 139.0	P	115.6	11.9	543.0 - 814.0	P	678.2	95.4	51
High recovery methods	21	396.0 - 594.0	P	494.9	15.4	194.0 - 291.0	P	242.4	8.4	493.0 - 740.0	P	616.7	16.7	98.0 - 146.0	P	122.0	5.1	592.0 - 888.0	P	739.8	21.3	14
All other methods	22	1261.0 - 1892.0	P	1576.8	281.2	604.0 - 906.0	P	755.4	132.4	1669.0 - 2504.0	P	2086.7	386.3	308.0 - 462.0	P	384.8	68.7	1962.0 - 2943.0	P	2452.1	486.1	54

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
All Clin Data Methods	23	372.0 - 558.0	P	464.9	25.9	187.0 - 280.0	P	233.6	14.7	470.0 - 705.0	P	587.3	29.6	93.0 - 140.0	P	116.4	5.8	560.0 - 840.0	P	700.3	29.2	10
Total Population																						
Whole Population	24	362.0 - 543.0	P	452.5	39.0	179.0 - 268.0	P	223.3	19.8	455.0 - 683.0	P	569.2	47.7	90.0 - 135.0	P	112.3	10.3	550.0 - 825.0	P	687.6	57.3	397

Lipase

Initial Grouping by Reagent and Instrument

Abbott Architect/ Aeroset & Abbott Architect c, ci, i	1	58.0 - 108.0	P	83.0	4.3	88.0 - 164.0	P	125.8	3.8	42.0 - 78.0	P	59.6	1.9	10.0 - 19.0	P	14.3	1.4	26.0 - 48.0	P	36.6	1.9	12
Beckman LIP & Beckman Unicel DXC series	2	47.0 - 88.0	P	67.3	4.5	64.0 - 118.0	P	90.9	7.5	37.0 - 70.0	P	53.5	4.3	13.0 - 23.0	P	18.0	2.1	25.0 - 47.0	P	36.2	3.6	28
J&J Vitros & J&J Vitros not DT or ECi	3	848.0 - 1575.0	P	1211.4	28.8	1322.0 - 2456.0	P	1889.0	37.9	610.0 - 1133.0	P	871.6	24.0	121.0 - 225.0	P	172.9	6.6	373.0 - 694.0	P	533.5	19.7	31
J&J Vitros & J&J Vitros 5,1 FS	4	825.0 - 1533.0	P	1179.1	25.7	1297.0 - 2409.0	P	1853.4	28.4	585.0 - 1087.0	P	836.0	22.6	114.0 - 212.0	P	163.2	7.3	354.0 - 658.0	P	506.0	11.4	14
Siemens LIPL, liquid & Siemens Dimension Rxl	5	217.0 - 404.0	P	310.4	4.4	325.0 - 603.0	P	463.9	8.9	163.0 - 302.0	P	232.3	4.0	47.0 - 88.0	P	67.5	3.6	107.0 - 199.0	P	152.9	3.4	10
Siemens LIPL, liquid & Siemens Dimension Xpand	6	216.0 - 401.0	P	308.4	8.1	323.0 - 601.0	P	462.1	11.1	160.0 - 298.0	P	228.9	5.8	45.0 - 83.0	P	64.2	3.5	105.0 - 195.0	P	149.9	4.9	32
Siemens LIPL, liquid & Siemens Dimension EXL	7	214.0 - 398.0	P	306.2	5.8	323.0 - 600.0	P	461.5	8.2	160.0 - 298.0	P	229.1	3.4	45.0 - 84.0	P	64.7	3.6	105.0 - 196.0	P	150.4	3.7	15

Initial Grouping by Reagent

Abbott Architect/ Aeroset	8	58.0 - 108.0	P	83.0	4.3	88.0 - 164.0	P	125.8	3.8	42.0 - 78.0	P	59.6	1.9	10.0 - 19.0	P	14.3	1.4	26.0 - 48.0	P	36.6	1.9	12
Beckman LIP	9	47.0 - 87.0	P	67.2	4.5	64.0 - 119.0	P	91.5	8.9	38.0 - 70.0	P	53.7	4.8	13.0 - 23.0	P	17.9	2.0	25.0 - 47.0	P	36.2	3.7	30
Beckman LIPA	10	50.0 - 93.0	P	71.9	7.4	72.0 - 133.0	P	102.2	14.4	39.0 - 72.0	P	55.4	4.5	11.0 - 20.0	P	15.5	3.4	25.0 - 46.0	P	35.6	2.9	15
Carolina	11	53.0 - 99.0	P	76.4	8.2	68.0 - 126.0	P	97.1	14.0	42.0 - 78.0	P	60.2	5.8	16.0 - 29.0	P	22.6	3.7	30.0 - 55.0	P	42.5	4.4	15
J&J Vitros	12	839.0 - 1559.0	P	1199.0	31.4	1312.0 - 2437.0	P	1874.5	39.1	601.0 - 1116.0	P	858.2	27.8	118.0 - 220.0	P	169.1	8.6	366.0 - 681.0	P	523.5	21.1	54
Beckman Olympus	13	61.0 - 114.0	P	87.7	7.8	94.0 - 175.0	P	134.3	12.3	44.0 - 82.0	P	63.4	5.8	10.0 - 19.0	P	14.9	2.5	27.0 - 49.0	P	38.0	3.6	25
Roche Cobas Integra	14	57.0 - 105.0	P	80.7	6.0	85.0 - 157.0	P	120.9	9.7	42.0 - 78.0	P	59.9	4.6	12.0 - 22.0	P	16.6	1.1	27.0 - 51.0	P	38.9	2.8	18
Roche/Hitachi	15	51.0 - 94.0	P	72.2	4.0	74.0 - 137.0	P	105.3	3.3	37.0 - 70.0	P	53.5	2.3	11.0 - 20.0	P	15.2	0.6	24.0 - 46.0	P	35.0	1.3	11
Siemens LIPL, liquid	16	216.0 - 401.0	P	308.7	7.8	325.0 - 603.0	P	463.8	12.3	161.0 - 299.0	P	230.3	5.2	46.0 - 85.0	P	65.1	3.6	106.0 - 197.0	P	151.2	4.6	81
Siemens Dimension	17	248.0 - 462.0	P	355.0	71.6	371.0 - 689.0	P	530.0	99.3	190.0 - 354.0	P	272.0	66.6	61.0 - 113.0	P	86.9	33.6	129.0 - 240.0	P	184.7	54.0	19

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		
Very low recovery methods	18	59.0 - 110.0	P 84.7	15.8	86.0 - 160.0	P 122.8	24.9		44.0 - 82.0	P 62.7	11.1		12.0 - 23.0	P 17.6	4.3		28.0 - 52.0	P 39.9	7.3	27		
Colorimetric	19	51.0 - 95.0	P 73.0	8.7	73.0 - 135.0	P 103.8	16.1		39.0 - 73.0	P 56.3	6.8		12.0 - 23.0	P 17.8	8.8		26.0 - 48.0	P 37.0	4.6	85		
Enzymatic/colorimetric	20	383.0 - 711.0	P 546.7	430.2	580.0 - 1078.0	P 829.1	672.3		279.0 - 518.0	P 398.4	305.8		64.0 - 120.0	P 92.0	55.2		174.0 - 323.0	P 248.1	182.7	186		
All other methods	21	53.0 - 99.0	P 76.4	8.2	68.0 - 126.0	P 97.1	14.0		42.0 - 78.0	P 60.2	5.8		16.0 - 29.0	P 22.6	3.7		30.0 - 55.0	P 42.5	4.4	15		
Total Population																						
Whole Population	22	220.0 - 409.0	P 314.9	28.9	333.0 - 618.0	P 475.0	46.5		164.0 - 304.0	P 233.7	18.1		45.0 - 85.0	P 65.0	3.7		106.0 - 197.0	P 151.8	7.8	318		

Magnesium mg/dL

Initial Grouping by Reagent and Instrument

Abbott Arsenazo & Abbott Architect c, ci, i	1	1.7 - 2.8	P 2.26	0.11	2.3 - 3.8	P 3.07	0.10		1.3 - 2.2	P 1.79	0.06		3.2 - 5.3	P 4.25	0.15		1.0 - 1.7	P 1.35	0.08	13
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	1.5 - 2.6	P 2.04	0.13	2.0 - 3.4	P 2.73	0.16		1.2 - 2.0	P 1.59	0.12		3.1 - 5.1	P 4.10	0.38		0.9 - 1.6	P 1.26	0.11	17
Beckman & Beckman Unicel DXC series	3	1.7 - 2.8	P 2.23	0.07	2.3 - 3.9	P 3.12	0.10		1.4 - 2.3	P 1.80	0.05		3.3 - 5.6	P 4.45	0.13		1.0 - 1.7	P 1.39	0.05	50
J&J Vitros & J&J Vitros not DT or ECi	4	1.8 - 2.9	P 2.35	0.09	2.4 - 4.1	P 3.25	0.12		1.4 - 2.4	P 1.89	0.08		3.7 - 6.2	P 4.98	0.15		1.1 - 1.8	P 1.44	0.07	45
J&J Vitros & J&J Vitros 5,1 FS	5	1.7 - 2.9	P 2.31	0.11	2.4 - 4.0	P 3.19	0.13		1.4 - 2.3	P 1.87	0.10		3.7 - 6.2	P 4.95	0.16		1.1 - 1.8	P 1.41	0.07	15
Siemens Dimension & Siemens Dimension Rxl	6	1.5 - 2.5	P 2.04	0.08	2.2 - 3.7	P 2.98	0.11		1.2 - 2.0	P 1.61	0.08		3.4 - 5.7	P 4.53	0.12		0.9 - 1.5	P 1.19	0.08	16
Siemens Dimension & Siemens Dimension Xpand	7	1.5 - 2.5	P 2.02	0.08	2.2 - 3.7	P 2.93	0.09		1.2 - 2.0	P 1.58	0.06		3.4 - 5.6	P 4.51	0.10		0.9 - 1.4	P 1.15	0.07	66
Siemens Dimension & Siemens Dimension EXL	8	1.5 - 2.5	P 2.02	0.05	2.2 - 3.7	P 2.94	0.07		1.2 - 2.0	P 1.57	0.06		3.3 - 5.6	P 4.46	0.08		0.8 - 1.4	P 1.13	0.05	22

Initial Grouping by Reagent

Abbott Arsenazo	9	1.7 - 2.8	P 2.26	0.11	2.3 - 3.8	P 3.07	0.10		1.3 - 2.2	P 1.79	0.06		3.2 - 5.3	P 4.25	0.15		1.0 - 1.7	P 1.35	0.08	13
Alfa Wassermann	10	1.5 - 2.6	P 2.04	0.13	2.0 - 3.4	P 2.73	0.16		1.2 - 2.0	P 1.59	0.12		3.1 - 5.1	P 4.10	0.38		0.9 - 1.6	P 1.26	0.11	17
Beckman	11	1.7 - 2.8	P 2.24	0.07	2.3 - 3.9	P 3.12	0.10		1.4 - 2.3	P 1.81	0.06		3.3 - 5.6	P 4.45	0.14		1.0 - 1.7	P 1.38	0.06	66
Carolina	12	1.8 - 2.9	P 2.34	0.20	2.3 - 3.9	P 3.12	0.23		1.4 - 2.4	P 1.91	0.18		3.1 - 5.1	P 4.10	0.32		1.1 - 1.9	P 1.48	0.15	20
DCL/Genzyme	13	1.7 - 2.8	P 2.22	0.21	2.2 - 3.7	P 2.93	0.23		1.4 - 2.3	P 1.81	0.20		3.0 - 5.1	P 4.04	0.30		1.0 - 1.7	P 1.33	0.24	12
J&J Vitros	14	1.8 - 2.9	P 2.34	0.10	2.4 - 4.0	P 3.23	0.13		1.4 - 2.3	P 1.88	0.09		3.7 - 6.2	P 4.97	0.15		1.1 - 1.8	P 1.43	0.07	70
Beckman Olymp Xylidyl Blue	15	1.6 - 2.7	P 2.14	0.08	2.2 - 3.7	P 2.96	0.10		1.3 - 2.2	P 1.73	0.07		3.3 - 5.5	P 4.38	0.15		1.0 - 1.6	P 1.31	0.06	37
Roche Cobas	16	1.6 - 2.7	P 2.17	0.07	2.2 - 3.6	P 2.91	0.08		1.3 - 2.2	P 1.77	0.06		3.2 - 5.4	P 4.29	0.11		1.0 - 1.7	P 1.38	0.05	32
Siemens	17	1.7 - 2.8	P 2.27	0.09	2.3 - 3.8	P 3.01	0.09		1.4 - 2.3	P 1.86	0.08		3.3 - 5.5	P 4.41	0.16		1.1 - 1.9	P 1.50	0.11	11
Siemens Dimension	18	1.5 - 2.5	P 2.02	0.08	2.2 - 3.7	P 2.94	0.09		1.2 - 2.0	P 1.58	0.07		3.4 - 5.6	P 4.50	0.10		0.9 - 1.4	P 1.15	0.07	150

Initial Grouping by Sensitivity or Principle

Arsenazo	19	1.7 - 2.9	P 2.29	0.19	2.3 - 3.9	P 3.09	0.21		1.4 - 2.3	P 1.86	0.16		3.1 - 5.2	P 4.14	0.29		1.1 - 1.8	P 1.42	0.15	34
Calmagite-based	20	1.7 - 2.8	P 2.24	0.10	2.3 - 3.9	P 3.10	0.15		1.4 - 2.3	P 1.81	0.06		3.3 - 5.5	P 4.43	0.21		1.0 - 1.7	P 1.38	0.07	73

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		
Magon (Xylidyl Blue)-based	21	1.6 - 2.7	P 2.18	0.27		2.2 - 3.7	P 2.95	0.32		1.3 - 2.2	P 1.77	0.26		3.2 - 5.4	P 4.30	0.37		1.0 - 1.7	P 1.36	0.24	109	
MTB (methylthymol blue)	22	1.5 - 2.5	P 2.02	0.08		2.2 - 3.7	P 2.94	0.09		1.2 - 2.0	P 1.58	0.07		3.4 - 5.6	P 4.50	0.10		0.9 - 1.4	P 1.15	0.07	150	
All other methods	23	1.7 - 2.9	P 2.28	0.12		2.3 - 3.9	P 3.13	0.19		1.4 - 2.3	P 1.84	0.10		3.6 - 5.9	P 4.75	0.35		1.1 - 1.8	P 1.41	0.07	104	
Total Population																						
Whole Population	24	1.6 - 2.7	P 2.17	0.16		2.3 - 3.8	P 3.01	0.19		1.3 - 2.2	P 1.73	0.15		3.3 - 5.6	P 4.46	0.31		1.0 - 1.6	P 1.31	0.15	485	

Magnesium mEq/L

Initial Grouping by Sensitivity or Principle

Arsenazo	1	1.4 - 2.3	P 1.83	0.12		1.9 - 3.1	P 2.48	0.16		1.1 - 1.8	P 1.46	0.13		2.6 - 4.4	P 3.50	0.12		0.8 - 1.3	P 1.08	0.12	10
Magon (Xylidyl Blue)-based	2	1.5 - 2.5	P 1.97	0.34		2.0 - 3.3	P 2.65	0.41		1.2 - 2.0	P 1.61	0.29		2.8 - 4.7	P 3.72	0.46		0.9 - 1.5	P 1.22	0.20	24
Total Population																					
Whole Population	3	1.4 - 2.3	P 1.88	0.18		1.9 - 3.2	P 2.55	0.27		1.1 - 1.9	P 1.51	0.15		2.7 - 4.5	P 3.63	0.35		0.9 - 1.4	P 1.14	0.11	50

Thyroid Stimulating Hormone

Initial Grouping by Reagent and Instrument

Abbott CMLA & Abbott Architect c, ci, i	1	5.5 - 7.1	S 6.30	0.26		9.0 - 11.1	S 10.06	0.35		3.9 - 4.9	S 4.41	0.18		0.3 - 0.3	S 0.30	0.00		2.3 - 2.7	S 2.54	0.07	12
Abbott MEIA & Abbott AxSYM	2	4.4 - 8.9	S 6.64	0.75		7.0 - 13.8	S 10.44	1.13		3.3 - 6.5	S 4.86	0.54		0.2 - 0.4	S 0.29	0.03		2.1 - 3.5	S 2.80	0.24	38
Beckman Access & Beckman Access luminometer	3	5.4 - 7.8	S 6.60	0.40		7.7 - 11.9	S 9.77	0.70		3.9 - 5.6	S 4.75	0.28		0.3 - 0.3	S 0.30	0.00		2.3 - 3.3	S 2.79	0.16	105
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	4	7.2 - 9.2	S 8.19	0.34		10.9 - 14.3	S 12.62	0.57		5.0 - 6.6	S 5.83	0.26		0.2 - 0.5	S 0.36	0.05		2.9 - 3.8	S 3.37	0.16	67
Dade Behring & Siemens Dimension Xpand	5	5.2 - 8.4	S 6.80	0.53		8.6 - 12.6	S 10.58	0.66		3.5 - 5.9	S 4.74	0.40		0.1 - 0.4	S 0.24	0.05		2.2 - 3.3	S 2.76	0.19	20
DiaSorin CTK-3 & All gamma counters	6	6.2 - 11.4	S 8.78	0.86		9.6 - 16.7	S 13.14	1.18		4.4 - 8.0	S 6.20	0.61		0.2 - 0.9	S 0.54	0.12		2.5 - 5.0	S 3.74	0.43	29
DiaSorin GammaCoat & All gamma counters	7	6.4 - 11.1	S 8.75	0.80		9.5 - 17.3	S 13.40	1.29		4.9 - 8.0	S 6.45	0.50		0.3 - 0.8	S 0.58	0.08		3.4 - 4.4	S 3.90	0.18	12
J&J Vitros & J&J Vitros ECi	8	7.6 - 9.9	S 8.74	0.37		11.3 - 14.6	S 12.92	0.55		5.4 - 7.2	S 6.32	0.30		0.1 - 0.4	S 0.27	0.05		3.3 - 4.3	S 3.78	0.17	17
Roche Elecsys & Roche Elecsys series	9	5.7 - 8.5	S 7.10	0.46		8.6 - 12.6	S 10.59	0.68		4.3 - 6.1	S 5.18	0.30		0.4 - 0.4	S 0.40	0.00		2.6 - 3.6	S 3.10	0.16	26
Roche Elecsys & Roche e411/e601/E170/E2010	10	6.6 - 7.7	S 7.16	0.19		9.0 - 12.5	S 10.78	0.58		4.7 - 5.7	S 5.20	0.17		0.4 - 0.4	S 0.40	0.00		2.9 - 3.3	S 3.10	0.08	11
Siemens Coat-A-Count IRMA & All gamma counters	11	5.8 - 8.9	S 7.34	0.53		10.5 - 14.1	S 12.28	0.60		4.2 - 6.6	S 5.37	0.40		0.2 - 0.6	S 0.41	0.07		2.1 - 3.8	S 2.97	0.28	22
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	12	5.8 - 10.5	S 8.12	0.78		9.1 - 15.5	S 12.30	1.07		4.1 - 7.5	S 5.82	0.56		0.2 - 0.5	S 0.35	0.05		2.7 - 4.2	S 3.42	0.26	20
Siemens Dimension & Siemens Dimension Rxl	13	5.9 - 7.9	S 6.91	0.33		8.7 - 13.0	S 10.86	0.71		3.8 - 5.8	S 4.77	0.33		0.1 - 0.4	S 0.26	0.05		2.4 - 3.3	S 2.87	0.14	10
Siemens Dimension & Siemens Dimension Xpand	14	5.1 - 8.4	S 6.75	0.55		7.9 - 13.3	S 10.59	0.89		3.5 - 5.8	S 4.65	0.37		0.1 - 0.4	S 0.26	0.05		2.1 - 3.4	S 2.77	0.22	48
Siemens Immulite (3rd gen) & Siemens Immulite 2000	15	6.2 - 8.8	S 7.52	0.43		9.3 - 13.8	S 11.54	0.74		4.4 - 6.3	S 5.35	0.33		0.3 - 0.3	S 0.30	0.00		2.5 - 3.7	S 3.09	0.20	28

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 (rapid) & Siemens Immulite 2000	16	5.8 - 8.9	S 7.36	0.51	9.1 - 13.8	S 11.41	0.78	4.2 - 6.6	S 5.40	0.41	0.3 - 0.3	S 0.30	0.00	2.4 - 3.9	S 3.12	0.25	22
Tosoh AIA & Tosoh Medics AIA	17	7.1 - 9.9	S 8.48	0.47	10.8 - 15.0	S 12.91	0.70	5.0 - 7.2	S 6.12	0.36	0.3 - 0.5	S 0.40	0.03	2.4 - 4.9	S 3.65	0.42	37
Tosoh AIA & Tosoh Medics ST AIA	18	6.8 - 10.0	S 8.40	0.53	10.6 - 15.1	S 12.85	0.74	5.0 - 7.2	S 6.09	0.37	0.4 - 0.4	S 0.40	0.00	2.9 - 4.2	S 3.52	0.22	37
Siemens Dimension LOCI & Siemens Dimension EXL	19	5.8 - 7.9	S 6.86	0.36	9.0 - 12.7	S 10.85	0.62	4.0 - 5.5	S 4.77	0.25	0.3 - 0.3	S 0.30	0.00	2.2 - 3.2	S 2.71	0.16	21
Initial Grouping by Reagent																	
Abbott CMIA	20	5.5 - 7.1	S 6.30	0.26	9.0 - 11.1	S 10.06	0.35	3.9 - 4.9	S 4.41	0.18	-			2.3 - 2.7	S 2.54	0.07	12
Abbott MEIA	21	4.3 - 9.1	S 6.69	0.81	6.9 - 14.1	S 10.51	1.21	3.2 - 6.6	S 4.89	0.58	0.2 - 0.4	S 0.29	0.03	2.1 - 3.5	S 2.80	0.24	39
Beckman Access	22	5.4 - 7.9	S 6.63	0.42	7.7 - 11.8	S 9.78	0.69	3.9 - 5.6	S 4.76	0.29	0.3 - 0.3	S 0.30	0.00	2.3 - 3.3	S 2.80	0.17	115
bioMerieux Vidas	23	7.2 - 9.2	S 8.19	0.34	10.9 - 14.3	S 12.62	0.57	5.0 - 6.6	S 5.83	0.26	0.2 - 0.5	S 0.36	0.05	2.9 - 3.8	S 3.37	0.16	68
Dade Behring	24	5.3 - 8.2	S 6.74	0.47	8.5 - 12.7	S 10.58	0.70	3.6 - 5.8	S 4.70	0.37	0.1 - 0.4	S 0.25	0.05	2.2 - 3.3	S 2.75	0.20	62
DiaSorin CTK-3	25	6.1 - 11.4	S 8.74	0.87	9.5 - 16.7	S 13.10	1.18	4.3 - 8.1	S 6.16	0.63	0.2 - 0.9	S 0.54	0.12	2.5 - 5.0	S 3.74	0.42	30
DiaSorin GammaCoat	26	6.4 - 11.1	S 8.75	0.80	9.5 - 17.3	S 13.40	1.29	4.9 - 8.0	S 6.45	0.50	0.3 - 0.8	S 0.58	0.08	3.4 - 4.4	S 3.90	0.18	12
J&J Vitros	27	7.8 - 9.7	S 8.77	0.32	11.5 - 14.6	S 13.05	0.51	5.5 - 7.1	S 6.30	0.25	0.1 - 0.4	S 0.27	0.05	3.3 - 4.2	S 3.76	0.15	25
Roche Elecsys	28	6.0 - 8.3	S 7.16	0.39	8.8 - 12.6	S 10.70	0.62	4.4 - 6.0	S 5.22	0.26	0.4 - 0.4	S 0.40	0.00	2.7 - 3.5	S 3.12	0.14	46
Siemens Coat-A-Count IRMA	29	5.8 - 8.9	S 7.34	0.53	10.5 - 14.1	S 12.28	0.60	4.2 - 6.6	S 5.37	0.40	0.2 - 0.6	S 0.41	0.07	2.1 - 3.8	S 2.97	0.28	22
Siemens ADVIA Centaur/IMS	30	5.6 - 11.0	S 8.29	0.89	8.9 - 16.1	S 12.48	1.19	4.0 - 7.9	S 5.94	0.64	0.2 - 0.5	S 0.35	0.06	2.6 - 4.3	S 3.47	0.28	24
Siemens Dimension	31	5.2 - 8.3	S 6.74	0.52	8.2 - 13.1	S 10.62	0.82	3.6 - 5.7	S 4.66	0.34	0.1 - 0.4	S 0.26	0.05	2.2 - 3.4	S 2.78	0.20	73
Siemens Immulite (3rd gen)	32	6.0 - 8.8	S 7.41	0.48	8.9 - 14.0	S 11.41	0.85	4.1 - 6.5	S 5.31	0.41	0.3 - 0.3	S 0.30	0.00	2.3 - 3.7	S 3.02	0.24	75
Siemens Immulite (rapid)	33	5.7 - 8.8	S 7.24	0.53	8.5 - 13.6	S 11.09	0.85	4.2 - 6.4	S 5.31	0.37	0.3 - 0.3	S 0.30	0.00	2.5 - 3.8	S 3.11	0.21	34
Tosoh AIA	34	7.0 - 9.9	S 8.46	0.49	10.7 - 15.1	S 12.88	0.73	5.0 - 7.2	S 6.10	0.37	0.3 - 0.5	S 0.40	0.02	2.6 - 4.6	S 3.59	0.33	80
Siemens Dimension LOCI	35	5.8 - 7.9	S 6.87	0.35	9.1 - 12.7	S 10.88	0.61	4.0 - 5.5	S 4.78	0.25	0.3 - 0.3	S 0.30	0.00	2.3 - 3.2	S 2.71	0.15	23
Initial Grouping by Sensitivity or Principle																	
Low recovery methods	36	5.4 - 7.9	S 6.63	0.42	7.7 - 11.8	S 9.78	0.69	3.9 - 5.6	S 4.76	0.29	0.3 - 0.3	S 0.30	0.00	2.3 - 3.3	S 2.80	0.17	115
Low moderate recovery meths	37	4.7 - 9.1	S 6.90	0.72	7.6 - 14.0	S 10.83	1.07	3.1 - 6.5	S 4.82	0.57	0.0 - 0.6	S 0.28	0.10	1.8 - 3.9	S 2.84	0.35	170
Moderate recovery methods	38	4.9 - 10.1	S 7.49	0.88	7.7 - 15.5	S 11.59	1.29	3.6 - 7.2	S 5.39	0.61	0.2 - 0.5	S 0.36	0.06	2.1 - 4.1	S 3.13	0.34	213
High moderate recovery meth	39	5.5 - 10.4	S 7.95	0.82	8.6 - 15.7	S 12.13	1.19	3.9 - 7.5	S 5.71	0.59	0.1 - 0.7	S 0.38	0.10	2.1 - 4.6	S 3.34	0.42	219
All other methods	40	7.8 - 9.7	S 8.77	0.32	11.5 - 14.6	S 13.05	0.51	5.5 - 7.1	S 6.30	0.25	0.1 - 0.4	S 0.27	0.05	3.3 - 4.2	S 3.76	0.15	25
Total Population																	
Whole Population	41	4.6 - 10.1	S 7.39	0.92	7.2 - 15.5	S 11.33	1.38	3.2 - 7.3	S 5.28	0.68	0.2 - 0.5	S 0.34	0.06	1.9 - 4.3	S 3.09	0.41	757

Thyroxine, Free (FT4)

Initial Grouping by Reagent and Instrument

Abbott CMIA & Abbott Architect c, ci, i	1	3.9 - 6.2	S 5.01	0.38	5.7 - 6.2	S 5.94	0.09	3.0 - 4.8	S 3.93	0.30	0.9 - 1.3	S 1.09	0.06	2.3 - 3.5	S 2.91	0.21	10
Abbott MEIA & Abbott AxSYM	2	1.9 - 2.5	S 2.16	0.10	2.6 - 3.6	S 3.11	0.17	1.5 - 2.0	S 1.73	0.09	0.7 - 1.1	S 0.87	0.06	1.1 - 1.6	S 1.31	0.08	28
Beckman Access & Beckman Access luminometer	3	2.5 - 3.3	S 2.86	0.13	2.9 - 4.0	S 3.45	0.20	2.1 - 2.9	S 2.52	0.13	0.8 - 1.3	S 1.04	0.07	1.8 - 2.4	S 2.08	0.10	86
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	4	2.1 - 3.0	S 2.54	0.15	2.5 - 4.6	S 3.55	0.34	1.7 - 2.5	S 2.10	0.14	0.6 - 0.9	S 0.74	0.06	1.3 - 2.0	S 1.65	0.13	43

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			
Dade Behring & Siemens Dimension Xpand	5	3.5 - 5.1	S 4.29	0.27	4.1 - 5.9	S 5.01	0.29	2.5 - 5.2	S 3.84	0.45	0.5 - 2.0	S 1.25	0.25	2.0 - 4.2	S 3.11	0.36	13					
DiaSorin GammaCoat 1-Step & All gamma counters	6	1.4 - 3.6	S 2.53	0.37	2.1 - 4.5	S 3.28	0.40	1.2 - 2.8	S 1.99	0.26	0.1 - 0.5	S 0.30	0.08	1.0 - 2.2	S 1.60	0.19	38					
J&J Vitros & J&J Vitros ECi	7	6.8 - 7.1	S 6.94	0.05	6.8 - 7.1	S 6.94	0.05	6.5 - 7.2	S 6.84	0.13	2.7 - 3.5	S 3.09	0.13	5.2 - 6.7	S 5.94	0.26	14					
Roche Elecsys & Roche Elecsys series	8	3.1 - 4.6	S 3.86	0.25	4.0 - 6.5	S 5.23	0.41	2.6 - 3.8	S 3.19	0.20	1.0 - 1.4	S 1.18	0.07	2.1 - 3.0	S 2.56	0.16	20					
Siemens Coat-A-Count & All gamma counters	9	1.2 - 2.5	S 1.85	0.22	1.9 - 3.7	S 2.76	0.30	0.9 - 2.0	S 1.41	0.18	0.2 - 0.6	S 0.37	0.07	0.7 - 1.4	S 1.04	0.12	23					
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	10	2.2 - 4.2	S 3.20	0.33	2.7 - 5.6	S 4.14	0.48	2.0 - 3.4	S 2.74	0.24	0.9 - 1.4	S 1.16	0.09	1.7 - 2.7	S 2.19	0.18	15					
Siemens Dimension & Siemens Dimension Xpand	11	3.4 - 5.1	S 4.28	0.28	4.1 - 6.1	S 5.06	0.33	3.0 - 4.5	S 3.75	0.24	0.7 - 1.7	S 1.19	0.18	2.0 - 4.0	S 3.01	0.33	28					
Siemens Immulite (1-step) & Siemens Immulite 2000	12	3.2 - 4.0	S 3.59	0.14	3.7 - 4.7	S 4.19	0.15	2.8 - 3.5	S 3.15	0.12	1.2 - 1.6	S 1.41	0.07	2.3 - 3.0	S 2.64	0.10	21					
Siemens Immulite (analog) & Siemens Immulite 2000	13	3.3 - 3.9	S 3.60	0.11	3.5 - 4.9	S 4.21	0.23	2.6 - 3.7	S 3.12	0.18	1.1 - 1.7	S 1.41	0.10	2.2 - 3.1	S 2.64	0.14	13					
Tosoh AIA & Tosoh Medics AIA	14	4.3 - 5.6	S 4.92	0.21	5.3 - 7.4	S 6.35	0.34	3.2 - 4.9	S 4.07	0.29	1.1 - 1.9	S 1.49	0.14	2.5 - 4.0	S 3.22	0.25	19					
Tosoh AIA & Tosoh Medics ST AIA	15	3.7 - 5.8	S 4.76	0.36	5.1 - 7.6	S 6.36	0.41	3.2 - 4.8	S 4.02	0.26	1.0 - 2.1	S 1.53	0.18	2.4 - 3.9	S 3.18	0.25	24					
Siemens Dimension LOCI & Siemens Dimension EXL	16	3.3 - 4.3	S 3.80	0.16	4.5 - 5.9	S 5.21	0.23	2.6 - 3.6	S 3.08	0.17	0.9 - 1.2	S 1.07	0.05	2.1 - 2.6	S 2.36	0.10	16					
Initial Grouping by Reagent																						
Abbott CMIA	17	3.9 - 6.2	S 5.01	0.38	5.7 - 6.2	S 5.94	0.09	3.0 - 4.8	S 3.93	0.30	0.9 - 1.3	S 1.09	0.06	2.3 - 3.5	S 2.91	0.21	10					
Abbott MEIA	18	1.9 - 2.5	S 2.16	0.10	2.6 - 3.6	S 3.11	0.17	1.5 - 2.0	S 1.73	0.09	0.7 - 1.1	S 0.87	0.06	1.1 - 1.6	S 1.31	0.08	29					
Beckman Access	19	2.4 - 3.3	S 2.87	0.14	2.8 - 4.0	S 3.45	0.20	2.1 - 2.9	S 2.52	0.13	0.8 - 1.3	S 1.04	0.07	1.8 - 2.4	S 2.07	0.10	92					
bioMerieux Vidas	20	2.1 - 3.0	S 2.54	0.15	2.5 - 4.6	S 3.56	0.34	1.7 - 2.5	S 2.11	0.14	0.6 - 0.9	S 0.74	0.06	1.3 - 2.0	S 1.65	0.13	44					
Dade Behring	21	3.4 - 5.3	S 4.32	0.31	4.1 - 5.9	S 5.04	0.30	2.8 - 4.8	S 3.82	0.34	0.6 - 1.8	S 1.22	0.20	2.1 - 3.9	S 3.01	0.29	37					
DiaSorin GammaCoat 1-Step	22	1.4 - 3.7	S 2.55	0.38	2.1 - 4.5	S 3.29	0.40	1.2 - 2.8	S 1.99	0.26	0.1 - 0.5	S 0.30	0.08	1.0 - 2.2	S 1.60	0.19	39					
J&J Vitros	23	6.8 - 7.1	S 6.95	0.05	6.8 - 7.1	S 6.95	0.05	6.4 - 7.2	S 6.80	0.14	2.6 - 3.5	S 3.07	0.16	5.2 - 6.6	S 5.89	0.23	22					
Roche Elecsys	24	3.2 - 4.6	S 3.89	0.24	4.1 - 6.6	S 5.32	0.42	2.7 - 3.8	S 3.23	0.17	1.0 - 1.4	S 1.19	0.07	2.2 - 3.0	S 2.57	0.13	35					
Siemens Coat-A-Count	25	1.2 - 2.5	S 1.85	0.22	1.9 - 3.7	S 2.76	0.30	0.9 - 2.0	S 1.41	0.18	0.2 - 0.6	S 0.37	0.07	0.7 - 1.4	S 1.04	0.12	23					
Siemens ADVIA Centaur/IMS	26	2.2 - 4.1	S 3.17	0.31	2.7 - 5.5	S 4.12	0.48	2.1 - 3.4	S 2.73	0.22	0.9 - 1.4	S 1.16	0.09	1.7 - 2.7	S 2.19	0.17	18					
Siemens Dimension	27	3.3 - 5.3	S 4.27	0.33	3.9 - 6.2	S 5.06	0.37	2.8 - 4.6	S 3.72	0.30	0.7 - 1.7	S 1.19	0.18	2.0 - 3.9	S 2.96	0.32	47					
Siemens Immulite (1-step)	28	3.1 - 4.1	S 3.59	0.17	3.6 - 4.9	S 4.24	0.23	2.7 - 3.6	S 3.14	0.15	1.2 - 1.7	S 1.45	0.08	2.2 - 3.0	S 2.64	0.13	45					
Siemens Immulite (analog)	29	3.2 - 4.2	S 3.68	0.16	3.5 - 5.2	S 4.32	0.29	2.6 - 3.7	S 3.16	0.18	1.1 - 1.8	S 1.45	0.11	2.3 - 3.1	S 2.67	0.13	19					
Tosoh AIA	30	3.9 - 5.7	S 4.83	0.30	5.2 - 7.5	S 6.36	0.38	3.3 - 4.8	S 4.04	0.26	1.0 - 2.0	S 1.51	0.16	2.5 - 3.9	S 3.19	0.24	48					
Siemens Dimension LOCI	31	3.3 - 4.3	S 3.79	0.16	4.5 - 5.9	S 5.20	0.22	2.6 - 3.6	S 3.08	0.16	0.9 - 1.2	S 1.07	0.05	2.1 - 2.6	S 2.36	0.09	17					
Initial Grouping by Sensitivity or Principle																						
Low recovery methods	32	1.7 - 3.8	S 2.73	0.36	2.3 - 5.1	S 3.72	0.46	1.3 - 3.3	S 2.29	0.33	0.2 - 1.5	S 0.86	0.21	1.0 - 2.7	S 1.81	0.28	62					
Low moderate recovery meth	33	2.9 - 5.3	S 4.13	0.39	3.9 - 6.2	S 5.07	0.39	2.3 - 4.8	S 3.52	0.41	0.7 - 1.6	S 1.15	0.16	1.6 - 4.0	S 2.79	0.40	65					
Moderate recovery methods	34	0.2 - 6.5	S 3.34	1.04	0.4 - 8.1	S 4.25	1.28	0.1 - 5.5	S 2.81	0.91	0.0 - 2.2	S 1.00	0.39	0.1 - 4.4	S 2.24	0.72	313					
High moderate recovery meth	35	3.1 - 4.1	S 3.61	0.17	3.5 - 5.0	S 4.26	0.25	2.7 - 3.6	S 3.15	0.16	1.2 - 1.7	S 1.45	0.09	2.3 - 3.0	S 2.65	0.13	64					

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
High recovery methods	36	4.4 - 9.1	S	6.78	0.78	5.4 - 8.3	S	6.85	0.48	4.0 - 9.2	S	6.62	0.87	1.8 - 4.2	S	2.99	0.41	3.4 - 8.1	S	5.73	0.78	23
Total Population																						
Whole Population	37	1.4 - 5.6	S	3.48	0.69	1.6 - 6.6	S	4.12	0.84	1.2 - 4.8	S	3.00	0.60	0.5 - 1.8	S	1.16	0.20	1.2 - 3.8	S	2.49	0.44	539

Thyroxine, Total (TT4)

Initial Grouping by Reagent and Instrument

Abbott FPIA & Abbott AxSYM	1	9.1 - 13.6	P	11.34	0.41	12.1 - 18.1	P	15.12	0.50	7.5 - 11.3	P	9.42	0.49	2.3 - 4.3	C	3.34	0.50	5.9 - 8.9	P	7.39	0.52	16
Beckman Access & Beckman Access luminometer	2	10.1 - 15.2	P	12.63	0.85	13.4 - 20.0	P	16.71	1.01	8.7 - 13.0	P	10.83	0.73	2.5 - 4.5	C	3.54	0.35	6.8 - 10.2	P	8.49	0.72	51
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	3	8.7 - 13.0	P	10.82	0.72	10.6 - 15.9	P	13.28	0.78	7.6 - 11.4	P	9.48	0.53	3.3 - 5.3	C	4.26	0.43	6.3 - 9.4	P	7.82	0.66	16
Roche Elecsys & Roche Elecsys series	4	9.7 - 14.6	P	12.13	1.05	13.4 - 20.2	P	16.81	1.47	7.9 - 11.8	P	9.87	0.86	2.2 - 4.2	C	3.17	0.26	6.0 - 9.0	P	7.46	0.65	12
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	5	8.7 - 13.1	P	10.92	0.84	11.3 - 16.9	P	14.06	1.07	7.3 - 10.9	P	9.12	0.72	1.4 - 3.4	C	2.41	0.46	5.6 - 8.4	P	7.02	0.58	17
Siemens Dimension & Siemens Dimension Rxl	6	10.3 - 15.4	P	12.85	0.40	14.4 - 21.6	P	17.96	0.72	7.9 - 11.9	P	9.93	0.62	2.0 - 4.0	C	3.03	0.36	6.1 - 9.1	P	7.60	0.45	10
Siemens Dimension & Siemens Dimension Xpand	7	10.5 - 15.7	P	13.10	0.71	14.3 - 21.5	P	17.88	0.84	8.3 - 12.4	P	10.36	0.56	2.2 - 4.2	C	3.16	0.60	6.3 - 9.5	P	7.90	0.63	20
Siemens Immulite & Siemens Immulite 2000	8	9.8 - 14.7	P	12.26	0.85	12.9 - 19.3	P	16.10	1.27	8.1 - 12.2	P	10.14	0.74	1.2 - 3.2	C	2.21	0.29	6.0 - 9.1	P	7.55	0.39	20
Tosoh AIA & Tosoh Medics AIA	9	10.9 - 16.4	P	13.66	0.75	14.9 - 22.3	P	18.61	2.22	9.1 - 13.7	P	11.39	1.09	2.2 - 4.2	C	3.20	0.37	7.0 - 10.5	P	8.77	0.78	15
Tosoh AIA & Tosoh Medics ST AIA	10	10.4 - 15.6	P	13.02	0.88	14.6 - 21.8	P	18.19	1.57	8.8 - 13.2	P	11.03	0.46	2.1 - 4.1	C	3.14	0.14	6.7 - 10.0	P	8.33	0.62	12

Initial Grouping by Reagent

Abbott FPIA	11	9.1 - 13.6	P	11.34	0.41	12.1 - 18.1	P	15.12	0.50	7.5 - 11.3	P	9.42	0.49	2.3 - 4.3	C	3.34	0.50	5.9 - 8.9	P	7.39	0.52	16
Beckman Access	12	10.1 - 15.1	P	12.62	0.83	13.4 - 20.1	P	16.76	1.02	8.7 - 13.0	P	10.83	0.74	2.5 - 4.5	C	3.52	0.38	6.8 - 10.2	P	8.48	0.69	58
bioMerieux Vidas	13	8.7 - 13.0	P	10.82	0.72	10.6 - 15.9	P	13.28	0.78	7.6 - 11.4	P	9.48	0.53	3.3 - 5.3	C	4.26	0.43	6.3 - 9.4	P	7.82	0.66	16
J&J Vitros	14	11.8 - 17.7	P	14.74	1.22	16.6 - 24.9	P	20.75	1.86	9.7 - 14.6	P	12.15	1.46	2.3 - 4.3	C	3.26	0.37	7.0 - 10.6	P	8.80	0.69	13
Roche Elecsys	15	9.7 - 14.5	P	12.10	0.91	13.5 - 20.2	P	16.86	1.24	7.9 - 11.9	P	9.89	0.75	2.2 - 4.2	C	3.16	0.26	6.0 - 9.0	P	7.51	0.57	21
Siemens ADVIA Centaur/IMS	16	8.6 - 12.9	P	10.76	0.89	11.2 - 16.7	P	13.96	1.03	7.2 - 10.8	P	9.02	0.74	1.4 - 3.4	C	2.38	0.44	5.6 - 8.3	P	6.94	0.59	20
Siemens Dimension	17	10.4 - 15.6	P	12.97	0.61	14.3 - 21.4	P	17.83	0.82	8.2 - 12.3	P	10.28	0.61	2.1 - 4.1	C	3.11	0.48	6.3 - 9.4	P	7.86	0.55	54
Siemens Immulite	18	9.9 - 14.8	P	12.37	1.10	13.1 - 19.7	P	16.39	1.21	8.2 - 12.2	P	10.20	0.78	1.3 - 3.3	C	2.28	0.29	6.1 - 9.2	P	7.63	0.48	34
Tosoh AIA	19	10.7 - 16.1	P	13.40	0.85	14.7 - 22.1	P	18.43	1.90	9.0 - 13.5	P	11.23	0.86	2.2 - 4.2	C	3.18	0.29	6.9 - 10.3	P	8.59	0.72	28

Initial Grouping by Sensitivity or Principle

Low recovery methods	20	9.4 - 14.1	P	11.75	1.28	12.4 - 18.5	P	15.46	1.64	7.8 - 11.7	P	9.75	0.95	1.3 - 3.3	C	2.33	0.36	5.9 - 8.8	P	7.37	0.61	55
Low moderate recovery meths	21	9.9 - 14.8	P	12.36	1.73	13.4 - 20.1	P	16.72	3.08	8.3 - 12.4	P	10.35	1.41	2.6 - 4.6	C	3.56	0.61	6.4 - 9.6	P	7.96	0.81	52
Moderate recovery methods	22	10.5 - 15.7	P	13.06	1.29	14.3 - 21.4	P	17.86	1.96	8.5 - 12.7	P	10.58	1.06	2.2 - 4.2	C	3.21	0.47	6.5 - 9.7	P	8.10	0.80	111
High moderate recovery meth	23	9.8 - 14.6	P	12.20	1.23	13.7 - 20.6	P	17.17	1.19	7.8 - 11.7	P	9.78	0.63	1.5 - 3.5	C	2.48	0.68	5.8 - 8.7	P	7.25	0.47	13
High recovery methods	24	10.1 - 15.1	P	12.62	0.83	13.4 - 20.1	P	16.76	1.02	8.7 - 13.0	P	10.83	0.74	2.5 - 4.5	C	3.52	0.38	6.8 - 10.2	P	8.48	0.69	58
Total Population																						
Whole Population	25	10.0 - 15.0	P	12.49	1.30	13.4 - 20.1	P	16.79	1.97	8.3 - 12.4	P	10.33	1.03	2.1 - 4.1	C	3.14	0.49	6.4 - 9.6	P	7.96	0.83	298

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		
Triiodothyronine, Total (TT3)																						
Initial Grouping by Reagent and Instrument																						
Beckman Access & Beckman Access luminometer	1	1.63 - 2.29	S	1.960	0.110	2.08 - 3.31	S	2.700	0.205	1.38 - 1.88	S	1.632	0.084	0.5 - 0.97	S	0.734	0.079	0.98 - 1.5	S	1.242	0.086	24
bioMerieux Vidas & bioMerieux mini Vidas/Vidas	2	1.46 - 2.04	S	1.750	0.098	2.03 - 2.72	S	2.375	0.115	1.17 - 1.71	S	1.438	0.090	0.44 - 0.76	S	0.601	0.053	0.91 - 1.24	S	1.076	0.055	17
DiaSorin GammaCoat & All gamma counters	3	1.85 - 2.73	S	2.294	0.146	2.63 - 4.51	S	3.567	0.314	1.29 - 2.41	S	1.851	0.186	0.16 - 0.82	S	0.489	0.109	1.06 - 1.67	S	1.366	0.101	28
Roche Elecsys & Roche Elecsys series	4	1.17 - 2.27	S	1.724	0.183	1.81 - 2.78	S	2.294	0.161	1.15 - 1.81	S	1.479	0.111	0.46 - 1.12	S	0.789	0.109	0.92 - 1.4	S	1.159	0.081	14
Siemens Coat-A-Count & All gamma counters	5	1.5 - 2.09	S	1.792	0.099	2.03 - 2.89	S	2.462	0.143	1.2 - 1.66	S	1.430	0.077	0.32 - 0.54	S	0.430	0.036	0.87 - 1.26	S	1.066	0.066	10
Siemens Advia & Siemens Centaur/Centaur CP	6	1.02 - 1.91	S	1.467	0.148	1.33 - 2.57	S	1.950	0.208	0.86 - 1.52	S	1.191	0.111	0.26 - 0.74	S	0.499	0.080	0.66 - 1.19	S	0.925	0.090	10
Siemens Immulite & Siemens Immulite 2000	7	0.94 - 1.47	S	1.205	0.089	1.28 - 1.9	S	1.587	0.104	0.75 - 1.27	S	1.012	0.087	0.32 - 0.57	S	0.447	0.041	0.49 - 0.98	S	0.737	0.082	22
Initial Grouping by Reagent																						
Beckman Access	8	1.56 - 2.4	S	1.978	0.139	1.86 - 3.65	S	2.754	0.299	1.2 - 2.14	S	1.671	0.157	0.49 - 1.0	S	0.743	0.084	0.9 - 1.64	S	1.272	0.124	28
bioMerieux Vidas	9	1.46 - 2.04	S	1.750	0.098	2.03 - 2.72	S	2.375	0.115	1.17 - 1.71	S	1.438	0.090	0.44 - 0.76	S	0.601	0.053	0.91 - 1.24	S	1.076	0.055	17
DiaSorin GammaCoat	10	1.86 - 2.73	S	2.294	0.144	2.64 - 4.51	S	3.576	0.311	1.3 - 2.4	S	1.853	0.183	0.16 - 0.82	S	0.492	0.109	1.07 - 1.66	S	1.367	0.099	29
Roche Elecsys	11	1.29 - 2.22	S	1.755	0.156	1.89 - 2.74	S	2.319	0.142	1.18 - 1.78	S	1.482	0.100	0.51 - 1.04	S	0.775	0.088	0.96 - 1.36	S	1.162	0.068	25
Siemens Coat-A-Count	12	1.5 - 2.09	S	1.792	0.099	2.03 - 2.89	S	2.462	0.143	1.2 - 1.66	S	1.430	0.077	0.32 - 0.54	S	0.430	0.036	0.87 - 1.26	S	1.066	0.066	10
Siemens Advia	13	1.06 - 1.86	S	1.460	0.133	1.4 - 2.48	S	1.942	0.181	0.89 - 1.5	S	1.195	0.101	0.28 - 0.72	S	0.505	0.073	0.68 - 1.18	S	0.927	0.084	13
Siemens Dimension	14	1.37 - 2.22	S	1.794	0.143	2.08 - 2.91	S	2.495	0.139	1.09 - 1.76	S	1.425	0.112	0.29 - 0.96	S	0.624	0.111	0.68 - 1.51	S	1.097	0.138	10
Siemens Immulite	15	0.96 - 1.44	S	1.199	0.080	1.24 - 1.86	S	1.551	0.103	0.72 - 1.25	S	0.986	0.087	0.31 - 0.55	S	0.431	0.040	0.49 - 0.94	S	0.717	0.076	34
Tosoh AIA	16	4.09 - 6.5	S	5.295	0.402	5.19 - 8.23	S	6.712	0.507	3.82 - 5.38	S	4.602	0.260	2.01 - 3.43	S	2.719	0.237	3.0 - 4.53	S	3.762	0.254	13
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meths	17	0.56 - 2.59	S	1.573	0.339	0.52 - 3.73	S	2.128	0.535	0.42 - 2.2	S	1.307	0.296	0.1 - 1.02	S	0.558	0.154	0.27 - 1.71	S	0.988	0.240	105
Moderate recovery methods	18	1.15 - 2.99	S	2.071	0.308	1.09 - 5.06	S	3.078	0.662	0.9 - 2.47	S	1.684	0.261	0.22 - 0.85	S	0.536	0.105	0.73 - 1.77	S	1.247	0.174	48
High moderate recovery meth	19	0.83 - 2.84	S	1.834	0.335	1.13 - 3.73	S	2.434	0.433	0.7 - 2.4	S	1.551	0.284	0.41 - 1.1	S	0.757	0.114	0.72 - 1.69	S	1.202	0.161	27
High recovery methods	20	4.09 - 6.5	S	5.295	0.402	5.19 - 8.23	S	6.712	0.507	3.82 - 5.38	S	4.602	0.260	2.01 - 3.43	S	2.719	0.237	3.0 - 4.53	S	3.762	0.254	13
Total Population																						
Whole Population	21	1.03 - 2.74	S	1.886	0.286	1.11 - 4.16	S	2.632	0.508	0.85 - 2.27	S	1.558	0.237	0.38 - 1.0	S	0.691	0.104	0.69 - 1.67	S	1.180	0.162	203
T-Uptake % of Total																						
Initial Grouping by Reagent and Instrument																						
Beckman Access & Beckman Access luminometer	1	38.0 - 53.0	S	45.5	2.4	38.0 - 53.0	S	45.7	2.6	39.0 - 52.0	S	45.5	2.1	43.0 - 58.0	S	50.7	2.5	39.0 - 52.0	S	45.8	2.1	46
Siemens ADVIA Centaur/IMS & Siemens Centaur/Centaur CP	2	32.0 - 50.0	S	40.8	3.0	28.0 - 47.0	S	37.5	3.1	33.0 - 52.0	S	42.5	3.2	42.0 - 76.0	S	58.8	5.7	34.0 - 53.0	S	43.8	3.1	13
Siemens Dimension & Siemens Dimension Xpand	3	41.0 - 49.0	S	44.8	1.3	40.0 - 53.0	S	46.5	2.1	39.0 - 49.0	S	44.1	1.7	40.0 - 49.0	S	44.4	1.4	36.0 - 50.0	S	43.3	2.3	15

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 & Siemens Immulite 2000	4	36.0 - 47.0 S	41.4	1.8		39.0 - 51.0 S	44.7	2.0		36.0 - 45.0 S	40.3	1.6		37.0 - 48.0 S	42.8	1.8		34.0 - 44.0 S	38.9	1.5	19	
Tosoh AIA & Tosoh Medics AIA	5	36.0 - 51.0 S	43.3	2.5		41.0 - 46.0 S	43.7	0.8		36.0 - 51.0 S	43.3	2.5		45.0 - 52.0 S	48.9	1.2		38.0 - 48.0 S	43.1	1.7	10	
Tosoh AIA & Tosoh Medics ST AIA	6	37.0 - 49.0 S	42.7	2.0		38.0 - 50.0 S	43.9	2.0		38.0 - 49.0 S	43.5	1.9		40.0 - 53.0 S	46.3	2.1		40.0 - 45.0 S	42.6	0.8	10	

Initial Grouping by Reagent

Beckman Access	7	39.0 - 52.0 S	45.4	2.3		38.0 - 53.0 S	45.6	2.6		39.0 - 52.0 S	45.4	2.2		43.0 - 58.0 S	50.7	2.5		39.0 - 52.0 S	45.7	2.1	52
Siemens ADVIA Centaur/IMS	8	32.0 - 50.0 S	40.8	2.9		28.0 - 47.0 S	37.7	3.1		33.0 - 52.0 S	42.4	3.1		42.0 - 76.0 S	59.1	5.6		35.0 - 53.0 S	44.1	3.1	14
Siemens Dimension	9	40.0 - 49.0 S	44.7	1.4		41.0 - 52.0 S	46.2	1.8		39.0 - 48.0 S	43.6	1.4		40.0 - 48.0 S	44.1	1.3		38.0 - 48.0 S	43.0	1.6	42
Siemens Immulite	10	36.0 - 47.0 S	41.4	2.0		37.0 - 51.0 S	44.1	2.4		35.0 - 45.0 S	40.4	1.7		37.0 - 49.0 S	43.5	2.0		33.0 - 46.0 S	39.3	2.1	29
Tosoh AIA	11	36.0 - 50.0 S	43.0	2.2		40.0 - 47.0 S	43.6	1.2		37.0 - 50.0 S	43.4	2.1		41.0 - 54.0 S	47.5	2.1		39.0 - 47.0 S	42.8	1.3	20

Initial Grouping by Sensitivity or Principle

Low moderate recovery meths	12	32.0 - 55.0 S	43.4	3.7		23.0 - 64.0 S	43.1	6.8		35.0 - 52.0 S	43.9	2.8		25.0 - 78.0 S	51.8	8.8		36.0 - 52.0 S	43.9	2.6	30
Moderate recovery methods	13	34.0 - 50.0 S	42.0	2.6		37.0 - 52.0 S	44.5	2.6		34.0 - 48.0 S	40.9	2.3		37.0 - 50.0 S	43.7	2.1		32.0 - 48.0 S	39.8	2.7	32
High moderate recovery meth	14	39.0 - 50.0 S	44.2	1.9		39.0 - 51.0 S	45.2	2.1		38.0 - 49.0 S	43.7	1.8		37.0 - 54.0 S	45.6	2.9		38.0 - 49.0 S	43.2	1.8	66
Very high recovery methods	15	39.0 - 52.0 S	45.4	2.3		38.0 - 53.0 S	45.6	2.6		39.0 - 52.0 S	45.4	2.2		43.0 - 58.0 S	50.7	2.5		39.0 - 52.0 S	45.7	2.1	52

Total Population

Whole Population	16	35.0 - 53.0 S	44.2	3.0		34.0 - 55.0 S	44.9	3.5		35.0 - 53.0 S	44.1	3.0		31.0 - 66.0 S	48.5	5.9		33.0 - 55.0 S	43.9	3.6	200
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T-Uptake Ratio to Normal

Initial Grouping by Reagent and Instrument

Abbott FPIA & Abbott AxSYM	1	0.43 - 0.63 S	0.530	0.034		0.52 - 0.72 S	0.620	0.032		0.39 - 0.55 S	0.467	0.027		0.12 - 0.32 S	0.220	0.033		0.34 - 0.51 S	0.428	0.029	10
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Initial Grouping by Reagent

Abbott FPIA	2	0.42 - 0.63 S	0.526	0.034		0.49 - 0.73 S	0.612	0.041		0.38 - 0.55 S	0.464	0.028		0.11 - 0.35 S	0.227	0.039		0.34 - 0.51 S	0.425	0.029	11
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Initial Grouping by Sensitivity or Principle

Fluorescence polariz (FPIA)	3	0.42 - 0.63 S	0.526	0.034		0.49 - 0.73 S	0.612	0.041		0.38 - 0.55 S	0.464	0.028		0.11 - 0.35 S	0.227	0.039		0.34 - 0.51 S	0.425	0.029	11
Other	4	0.29 - 0.73 S	0.510	0.073		0.02 - 0.72 S	0.372	0.118		0.25 - 0.89 S	0.570	0.108		0.0 - 1.38 S	0.680	0.235		0.12 - 1.14 S	0.629	0.169	13

Total Population

Whole Population	5	0.0 - 2.75 S	0.655	0.699		0.0 - 3.36 S	0.671	0.896		0.0 - 2.37 S	0.633	0.580		0.0 - 1.58 S	0.498	0.360		0.0 - 2.11 S	0.623	0.496	26
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