



Special 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	
Ferritin																	
Initial Grouping by Reagent and Instrument																	
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	132 - 245	P 188.3	9.4	77 - 143	P 109.9	9.6	-	-	-	-	-	-	-	-	17	
Beckman Coulter Access & Beckman Coulter Access	2	87 - 161	P 124.1	6.5	51 - 94	P 72.4	4.0	-	-	-	-	-	-	-	-	40	
Beckman Coulter Access & Beckman Coulter Dxl	3	83 - 154	P 118.7	14.3	49 - 92	P 70.6	4.3	-	-	-	-	-	-	-	-	13	
Ortho Vitros & Ortho Vitros 3600, 5600	4	81 - 151	P 116.0	3.5	48 - 89	P 68.8	2.9	-	-	-	-	-	-	-	-	13	
Siemens CrO2 & Siemens Dimension EXL	5	115 - 214	P 164.4	5.3	71 - 131	P 100.7	3.2	-	-	-	-	-	-	-	-	21	
Siemens Dimension LOCI & Siemens Dimension EXL	6	115 - 213	P 163.8	6.9	71 - 131	P 100.8	4.3	-	-	-	-	-	-	-	-	13	
Tosoh AIA & Tosoh AIA	7	82 - 152	P 116.8	4.8	47 - 88	P 67.7	2.7	-	-	-	-	-	-	-	-	11	
Initial Grouping by Reagent																	
Abbott Aeroset/Architect	8	131 - 244	P 187.8	9.3	77 - 142	P 109.6	9.4	-	-	-	-	-	-	-	-	18	
Beckman Coulter Access	9	86 - 160	P 122.8	9.4	50 - 94	P 72.0	4.1	-	-	-	-	-	-	-	-	53	
Ortho Vitros	10	81 - 150	P 115.7	3.9	48 - 89	P 68.6	2.7	-	-	-	-	-	-	-	-	18	
Roche Elecsys	11	125 - 233	P 179.1	8.3	74 - 138	P 106.1	6.0	-	-	-	-	-	-	-	-	14	
Siemens CrO2	12	115 - 213	P 164.1	5.2	70 - 130	P 100.0	3.4	-	-	-	-	-	-	-	-	26	
Siemens Dimension LOCI	13	112 - 208	P 160.1	9.2	67 - 124	P 95.5	10.9	-	-	-	-	-	-	-	-	18	
Siemens Immulite	14	112 - 208	P 159.7	16.4	66 - 123	P 94.8	10.2	-	-	-	-	-	-	-	-	10	
Tosoh AIA	15	82 - 153	P 117.7	4.7	48 - 88	P 67.9	2.5	-	-	-	-	-	-	-	-	16	
Initial Grouping by Sensitivity or Principle																	
All other methods	16	131 - 244	P 187.8	9.3	77 - 142	P 109.6	9.4	-	-	-	-	-	-	-	-	18	
Luminometric	17	101 - 187	P 143.7	25.1	59 - 110	P 84.9	15.7	-	-	-	-	-	-	-	-	100	
Spectrophotometric	18	112 - 207	P 159.6	10.2	68 - 126	P 96.7	6.7	-	-	-	-	-	-	-	-	36	
Immunofluorometric-not FPIA	19	82 - 152	P 116.6	4.4	48 - 89	P 68.3	2.6	-	-	-	-	-	-	-	-	34	
Total Population																	
Whole Population	20	102 - 190	P 146.4	26.9	61 - 113	P 86.9	16.7	-	-	-	-	-	-	-	-	195	
Folate																	
Initial Grouping by Reagent and Instrument																	
Abbott Architect & Abbott Architect c, ci, i	1	3.4 - 6.2	P 4.79	0.55	1.4 - 3.2	C 2.34	0.29	-	-	-	-	-	-	-	-	11	
Beckman Coulter Access & Beckman Coulter Access	2	3.3 - 6.1	P 4.71	0.35	1.7 - 3.5	C 2.59	0.24	-	-	-	-	-	-	-	-	33	
Beckman Coulter Access & Beckman Coulter Dxl	3	3.5 - 6.5	P 5.02	0.45	2.1 - 3.9	P 3.01	0.44	-	-	-	-	-	-	-	-	14	
Ortho Vitros & Ortho Vitros 3600, 5600	4	2.6 - 4.8	P 3.71	0.48	1.4 - 3.2	C 2.28	0.29	-	-	-	-	-	-	-	-	13	
Siemens Advia & Siemens Centaur/Centaur CP	5	2.0 - 3.8	C 2.94	0.49	0.1 - 1.9	C 0.99	0.39	-	-	-	-	-	-	-	-	10	
Siemens Dimension LOCI & Siemens Dimension EXL	6	1.6 - 3.4	C 2.5	0.21	0.7 - 2.5	C 1.58	0.17	-	-	-	-	-	-	-	-	25	
Initial Grouping by Reagent																	
Abbott Architect	7	3.4 - 6.2	P 4.79	0.55	1.4 - 3.2	C 2.34	0.29	-	-	-	-	-	-	-	-	11	
Beckman Coulter Access	8	3.4 - 6.2	P 4.8	0.4	1.8 - 3.6	C 2.71	0.37	-	-	-	-	-	-	-	-	47	
Ortho Vitros	9	2.6 - 4.7	P 3.65	0.51	1.3 - 3.1	C 2.19	0.36	-	-	-	-	-	-	-	-	15	
Roche Folate III	10	1.8 - 3.6	C 2.74	0.38	1.1 - 2.9	C 2.01	0.04	-	-	-	-	-	-	-	-	20	
Siemens Advia	11	2.0 - 3.8	C 2.94	0.49	0.1 - 1.9	C 0.99	0.39	-	-	-	-	-	-	-	-	10	
Siemens Dimension LOCI	12	1.6 - 3.4	C 2.52	0.22	0.7 - 2.5	C 1.6	0.2	-	-	-	-	-	-	-	-	26	
Initial Grouping by Sensitivity or Principle																	
Immunofluorometric-not FPIA	13	3.0 - 5.7	P 4.35	0.81	1.7 - 3.5	C 2.55	0.45	-	-	-	-	-	-	-	-	21	
Luminometric	14	2.5 - 4.7	P 3.59	1.04	1.2 - 3.0	C 2.11	0.63	-	-	-	-	-	-	-	-	130	
Total Population																	
Whole Population	15	2.6 - 4.8	P 3.7	1.03	1.3 - 3.1	C 2.16	0.62	-	-	-	-	-	-	-	-	155	
Homocysteine																	
Initial Grouping by Reagent																	

Diazyme	1	33.3 - 49.9	P 41.61	5.93	18.0 - 27.0	P 22.54	3.65	-	-	-	15
Initial Grouping bySensitivityor Principle											
Luminometric	2	30.0 - 45.0	P 37.49	4.18	16.4 - 24.6	P 20.52	1.49	-	-	-	10
enzymatic	3	32.7 - 49.1	P 40.92	5.77	17.5 - 26.3	P 21.92	3.45	-	-	-	25
Total Population											
Whole Population	4	32.2 - 48.3	P 40.23	5.4	17.4 - 26.1	P 21.77	3.06	-	-	-	39

Pre-Albumin

Initial Grouping bySensitivityor Principle											
Colorimetric	1	14.4 - 24.0	P 19.21	0.95	11.9 - 19.8	P 15.82	0.5	-	-	-	15
Total Population											
Whole Population	2	14.6 - 24.4	P 19.51	0.84	12.0 - 20.1	P 16.06	0.67	-	-	-	29

Prolactin

Initial Grouping byReagent and Instrument											
Beckman Coulter Access & Beckman Coulter Access	1	21 - 38	P 29.5	1.2	11 - 20	P 15.1	0.9	-	-	-	20
Beckman Coulter Access & Beckman Coulter Dxl	2	21 - 40	P 30.5	1.6	11 - 20	P 15.6	1.0	-	-	-	13
Roche Cobas & Roche e411/e601/E170/E2010	3	24 - 45	P 34.8	1.8	12 - 22	P 17.2	0.9	-	-	-	10
Roche Elecsys & Roche e411/e601/E170/E2010	4	25 - 46	P 35.0	2.4	12 - 22	P 17.2	1.2	-	-	-	17
Siemens Immulite & Siemens Immulite 1000	5	21 - 40	P 30.4	3.7	10 - 18	P 13.6	1.6	-	-	-	11
Tosoh AIA & Tosoh AIA ST	6	22 - 40	P 30.9	3.1	11 - 20	P 15.3	1.7	-	-	-	11
Initial Grouping byReagent											
Beckman Coulter Access	7	21 - 39	P 29.9	1.4	11 - 20	P 15.3	1.0	-	-	-	33
Roche Cobas	8	24 - 44	P 33.9	2.4	12 - 22	P 16.6	1.4	-	-	-	14
Roche Elecsys	9	24 - 45	P 34.4	2.3	12 - 22	P 16.8	1.2	-	-	-	27
Siemens Immulite	10	21 - 39	P 30.1	3.2	10 - 18	P 13.7	1.4	-	-	-	15
Tosoh AIA	11	21 - 40	P 30.6	3.0	11 - 20	P 15.3	1.5	-	-	-	14
Initial Grouping bySensitivityor Principle											
Luminometric	12	22 - 41	P 31.4	3.1	11 - 20	P 15.4	1.8	-	-	-	116
Immunofluorometric-not FPIA	13	21 - 40	P 30.6	3.0	11 - 20	P 15.3	1.5	-	-	-	14
Total Population											
Whole Population	14	22 - 41	P 31.3	3.1	11 - 20	P 15.4	1.8	-	-	-	130

Prostate Specific Ag, Total

Initial Grouping byReagent and Instrument											
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	6.6 - 12.3	P 9.43	0.45	3.4 - 6.3	P 4.88	0.25	-	-	-	24
Beckman Coulter Access & Beckman Coulter Access	2	8.0 - 14.9	P 11.47	0.67	4.2 - 7.8	P 5.99	0.3	-	-	-	50
Beckman Coulter Access & Beckman Coulter Dxl	3	7.6 - 14.1	P 10.82	1.61	4.0 - 7.5	P 5.78	0.54	-	-	-	15
Ortho Vitros & Ortho Vitros 3600, 5600	4	4.2 - 7.8	P 6.0	0.17	2.3 - 4.3	P 3.31	0.08	-	-	-	17
Qual FastPack, FastPack IP & Qualigen FastPack	5	8.8 - 16.3	P 12.52	1.07	4.3 - 8.1	P 6.21	0.68	-	-	-	10
Roche Elecsys & Roche e411/e601/E170/E2010	6	8.0 - 14.9	P 11.48	0.47	4.2 - 7.9	P 6.07	0.32	-	-	-	11
Siemens Dimension Flex & Siemens Dimension EXL	7	7.0 - 13.0	P 9.99	0.46	3.6 - 6.7	P 5.15	0.28	-	-	-	39
Siemens Dimension Flex & Siemens Dimension Xpand	8	6.9 - 12.8	P 9.83	0.73	3.5 - 6.4	P 4.96	0.36	-	-	-	10
Tosoh ST & Tosoh AIA	9	6.2 - 11.5	P 8.81	0.61	3.3 - 6.1	P 4.66	0.38	-	-	-	22
Tosoh ST & Tosoh AIA ST	10	6.3 - 11.6	P 8.93	0.61	3.3 - 6.1	P 4.71	0.36	-	-	-	18
Initial Grouping byReagent											
Abbott Aeroset/Architect	11	6.6 - 12.3	P 9.43	0.45	3.4 - 6.3	P 4.88	0.25	-	-	-	24
Beckman Coulter Access	12	7.9 - 14.7	P 11.32	1.01	4.2 - 7.7	P 5.94	0.38	-	-	-	65
Ortho Vitros	13	4.2 - 7.8	P 5.99	0.17	2.3 - 4.3	P 3.31	0.08	-	-	-	18
Qual FastPack, FastPack IP	14	8.8 - 16.3	P 12.52	1.07	4.3 - 8.1	P 6.21	0.68	-	-	-	10
Roche Elecsys	15	7.8 - 14.4	P 11.11	0.59	4.1 - 7.6	P 5.84	0.35	-	-	-	25
Siemens CrO2	16	7.2 - 13.4	P 10.34	0.47	3.7 - 6.9	P 5.29	0.26	-	-	-	11
Siemens Dimension Flex	17	7.0 - 12.9	P 9.95	0.53	3.6 - 6.6	P 5.11	0.3	-	-	-	52
Tosoh ST	18	6.2 - 11.5	P 8.87	0.61	3.3 - 6.1	P 4.68	0.37	-	-	-	40
Initial Grouping bySensitivityor Principle											
WHO Standardized methods	19	7.0 - 13.1	P 10.05	1.24	3.6 - 6.7	P 5.19	0.61	-	-	-	199
Beckman Coulter all	20	7.9 - 14.7	P 11.29	0.99	4.2 - 7.7	P 5.93	0.37	-	-	-	69
Ortho Vitros all	21	5.0 - 9.2	P 7.09	1.72	2.7 - 5.0	P 3.81	0.78	-	-	-	30
Total Population											
Whole Population	22	7.0 - 13.1	P 10.04	1.68	3.7 - 6.8	P 5.22	0.81	-	-	-	298

Testosterone

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	585 - 1087	P 836.4	61.6	311 - 577	P 443.8	30.2	-	-	-	12
Beckman Coulter Access & Beckman Coulter Access	2	529 - 983	P 755.8	37.7	315 - 585	P 449.7	23.4	-	-	-	36
Beckman Coulter Access & Beckman Coulter Dxl	3	505 - 937	P 720.9	29.7	292 - 543	P 417.4	30.2	-	-	-	13
Ortho Vitros & Ortho Vitros 3600, 5600	4	744 - 1382	P 1062.8	59.5	488 - 906	P 697.3	31.8	-	-	-	10
Tosoh ST & Tosoh AIA ST	5	737 - 1368	P 1052.3	88.8	452 - 839	P 645.1	56.0	-	-	-	10

Initial Grouping by Reagent

Abbott Architect	6	585 - 1087	P 836.4	61.6	311 - 577	P 443.8	30.2	-	-	-	12
Beckman Coulter Access	7	523 - 971	P 746.9	38.9	309 - 574	P 441.4	28.9	-	-	-	49
Ortho Vitros	8	742 - 1378	P 1059.8	57.5	486 - 902	P 693.7	32.3	-	-	-	11
Roche Elecsys	9	633 - 1176	P 904.5	51.5	385 - 715	P 550.3	46.6	-	-	-	20
Siemens Immulite	10	594 - 1103	P 848.8	160.7	446 - 828	P 637.2	84.3	-	-	-	11
Tosoh ST	11	729 - 1353	P 1040.9	85.3	458 - 850	P 653.9	75.1	-	-	-	17

Initial Grouping by Sensitivity or Principle

Abbott and Siemens Test II	12	579 - 1075	P 826.8	67.8	309 - 574	P 441.5	30.1	-	-	-	13
Standardized methods	13	555 - 1032	P 793.5	108.8	347 - 644	P 495.5	80.6	-	-	-	104
Ortho Vitros and Tosoh	14	732 - 1360	P 1045.8	74.4	468 - 869	P 668.8	62.8	-	-	-	30

Total Population

Whole Population	15	595 - 1104	P 849.3	141.6	369 - 684	P 526.5	104.8	-	-	-	148
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Triiodothyronine, Free (FT3)

Initial Grouping by Reagent and Instrument

Abbott CMIA & Abbott Architect c, ci, i	1	5.1 - 9.4	P 7.25	0.43	3.5 - 6.4	P 4.94	0.24	-	-	-	11
Beckman Coulter Access & Beckman Coulter Access	2	5.6 - 10.4	P 7.97	0.34	3.9 - 7.3	P 5.62	0.26	-	-	-	24
Beckman Coulter Access & Beckman Coulter Dxl	3	5.0 - 9.3	P 7.16	0.64	3.6 - 6.7	P 5.12	0.3	-	-	-	13

Initial Grouping by Reagent

Abbott CMIA	4	5.1 - 9.4	P 7.25	0.43	3.5 - 6.4	P 4.94	0.24	-	-	-	11
Beckman Coulter Access	5	5.4 - 10.0	P 7.68	0.6	3.8 - 7.1	P 5.45	0.36	-	-	-	38
Roche Elecsys	6	7.4 - 13.8	P 10.64	0.22	4.9 - 9.2	P 7.05	0.21	-	-	-	11

Initial Grouping by Sensitivity or Principle

Luminometric	7	6.1 - 11.3	P 8.66	1.52	4.2 - 7.9	P 6.05	1.17	-	-	-	91
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Total Population

Whole Population	8	6.0 - 11.2	P 8.61	1.44	4.4 - 8.1	P 6.24	1.19	-	-	-	111
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Vitamin B12

Initial Grouping by Reagent and Instrument

Abbott CMIA & Abbott Architect c, ci, i	1	618 - 1149	P 883.5	46.1	422 - 784	P 603.3	19.5	-	-	-	16
Beckman Coulter Access & Beckman Coulter Access	2	519 - 963	P 741.0	46.0	364 - 676	P 520.0	20.0	-	-	-	40
Beckman Coulter Access & Beckman Coulter Dxl	3	499 - 927	P 713.1	65.0	348 - 646	P 497.0	25.5	-	-	-	14
Ortho Vitros & Ortho Vitros 3600, 5600	4	613 - 1139	P 876.3	39.0	441 - 819	P 630.0	36.1	-	-	-	14
Siemens Dimension LOCI & Siemens Dimension EXL	5	588 - 1091	P 839.5	44.9	407 - 756	P 581.5	28.0	-	-	-	28

Initial Grouping by Reagent

Abbott CMIA	6	618 - 1149	P 883.5	46.1	422 - 784	P 603.3	19.5	-	-	-	16
Beckman Coulter Access	7	514 - 954	P 733.6	53.1	360 - 669	P 514.3	23.7	-	-	-	54
Ortho Vitros	8	613 - 1138	P 875.3	37.9	442 - 821	P 631.5	35.3	-	-	-	15
Roche Elecsys	9	642 - 1192	P 917.0	52.2	416 - 773	P 594.5	43.0	-	-	-	22
Siemens Dimension LOCI	10	587 - 1090	P 838.2	44.6	407 - 756	P 581.4	27.5	-	-	-	29

Initial Grouping by Sensitivity or Principle

Luminometric	11	584 - 1084	P 833.7	96.2	402 - 746	P 573.8	57.6	-	-	-	168
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Total Population

Whole Population	12	586 - 1087	P 836.5	95.1	405 - 752	P 578.1	59.6	-	-	-	180
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