



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	177 - 328	P 252.3	29.7	131 - 244	P 187.7	9.0	-	-	-	-	-	-	-	-	16	
Beckman Coulter Access & Beckman Coulter Access	2	122 - 228	P 175.0	9.5	86 - 160	P 122.9	7.1	-	-	-	-	-	-	-	-	42	
Beckman Coulter Access & Beckman Coulter Dxl	3	116 - 216	P 166.2	19.8	84 - 155	P 119.5	15.1	-	-	-	-	-	-	-	-	13	
Ortho Vitros & Ortho Vitros 3600, 5600	4	108 - 201	P 154.8	8.7	75 - 140	P 107.7	5.7	-	-	-	-	-	-	-	-	13	
Siemens CrO2 & Siemens Dimension EXL	5	153 - 283	P 218.0	11.1	109 - 203	P 155.8	8.0	-	-	-	-	-	-	-	-	20	
Siemens Dimension LOCI & Siemens Dimension EXL	6	156 - 290	P 223.0	6.2	113 - 210	P 161.2	5.1	-	-	-	-	-	-	-	-	14	
Tosoh AIA & Tosoh AIA	7	114 - 212	P 163.4	4.9	81 - 151	P 116.0	6.9	-	-	-	-	-	-	-	-	11	
Initial Grouping by Reagent																	
Abbott Aeroset/Architect	8	176 - 326	P 251.1	29.2	130 - 242	P 186.3	10.3	-	-	-	-	-	-	-	-	17	
Beckman Coulter Access	9	121 - 225	P 172.9	13.3	85 - 159	P 122.0	9.7	-	-	-	-	-	-	-	-	55	
Ortho Vitros	10	108 - 201	P 154.4	9.8	75 - 140	P 107.6	6.2	-	-	-	-	-	-	-	-	19	
Roche Elecsys	11	170 - 316	P 242.8	21.5	120 - 223	P 171.9	13.5	-	-	-	-	-	-	-	-	14	
Siemens CrO2	12	153 - 284	P 218.8	11.5	109 - 203	P 156.2	8.6	-	-	-	-	-	-	-	-	25	
Siemens Dimension LOCI	13	154 - 286	P 220.2	9.7	110 - 204	P 157.3	9.3	-	-	-	-	-	-	-	-	19	
Siemens Immulite	14	151 - 280	P 215.1	10.9	109 - 202	P 155.0	6.3	-	-	-	-	-	-	-	-	10	
Tosoh AIA	15	116 - 215	P 165.1	5.8	81 - 151	P 116.0	5.9	-	-	-	-	-	-	-	-	16	
Initial Grouping by Sensitivity or Principle																	
All other methods	16	176 - 326	P 251.1	29.2	130 - 242	P 186.3	10.3	-	-	-	-	-	-	-	-	17	
Luminometric	17	139 - 258	P 198.5	31.3	99 - 184	P 141.2	22.9	-	-	-	-	-	-	-	-	104	
Spectrophotometric	18	153 - 285	P 219.1	14.9	109 - 202	P 155.4	9.8	-	-	-	-	-	-	-	-	35	
Immunofluorometric-not FPIA	19	112 - 207	P 159.3	9.8	78 - 145	P 111.5	7.4	-	-	-	-	-	-	-	-	35	
Total Population																	
Whole Population	20	140 - 261	P 200.5	35.7	100 - 185	P 142.6	26.4	-	-	-	-	-	-	-	-	196	
Folate																	
Initial Grouping by Reagent and Instrument																	
Abbott Architect & Abbott Architect c, ci, i	1	4.1 - 7.6	P 5.82	0.64	2.7 - 5.0	P 3.86	0.52	-	-	-	-	-	-	-	-	10	
Beckman Coulter Access & Beckman Coulter Access	2	4.1 - 7.6	P 5.87	0.49	2.8 - 5.1	P 3.93	0.38	-	-	-	-	-	-	-	-	35	
Beckman Coulter Access & Beckman Coulter Dxl	3	4.1 - 7.6	P 5.82	0.4	2.8 - 5.1	P 3.93	0.29	-	-	-	-	-	-	-	-	14	
Ortho Vitros & Ortho Vitros 3600, 5600	4	3.0 - 5.5	P 4.26	0.48	2.1 - 3.9	C 2.99	0.31	-	-	-	-	-	-	-	-	14	
Siemens Advia & Siemens Centaur/Centaur CP	5	3.1 - 5.8	P 4.47	1.26	1.5 - 3.3	C 2.35	0.73	-	-	-	-	-	-	-	-	10	
Siemens Dimension LOCI & Siemens Dimension EXL	6	2.1 - 3.9	C 2.98	0.24	1.3 - 3.1	C 2.16	0.24	-	-	-	-	-	-	-	-	25	
Initial Grouping by Reagent																	
Abbott Architect	7	4.1 - 7.6	P 5.82	0.64	2.7 - 5.0	P 3.86	0.52	-	-	-	-	-	-	-	-	10	
Beckman Coulter Access	8	4.1 - 7.6	P 5.86	0.47	2.8 - 5.1	P 3.93	0.36	-	-	-	-	-	-	-	-	49	
Ortho Vitros	9	3.0 - 5.6	P 4.29	0.47	2.1 - 3.9	C 2.96	0.3	-	-	-	-	-	-	-	-	16	
Roche Folate III	10	2.6 - 4.8	P 3.69	0.3	1.3 - 3.1	C 2.24	0.22	-	-	-	-	-	-	-	-	20	
Siemens Advia	11	3.1 - 5.7	P 4.4	1.22	1.4 - 3.2	C 2.29	0.72	-	-	-	-	-	-	-	-	11	
Siemens Dimension LOCI	12	2.1 - 3.9	P 3.02	0.28	1.3 - 3.1	C 2.19	0.27	-	-	-	-	-	-	-	-	27	
Initial Grouping by Sensitivity or Principle																	
Immunofluorometric-not FPIA	13	3.5 - 6.6	P 5.06	1.16	2.7 - 5.0	P 3.81	0.55	-	-	-	-	-	-	-	-	19	
Luminometric	14	3.2 - 5.9	P 4.54	1.23	2.1 - 3.9	C 2.98	0.85	-	-	-	-	-	-	-	-	134	
Total Population																	
Whole Population	15	3.2 - 6.0	P 4.59	1.25	2.1 - 4.0	P 3.07	0.85	-	-	-	-	-	-	-	-	158	
Homocysteine																	
Initial Grouping by Reagent																	

Diazyme	1	46.8 - 70.2	P 58.48	10.41	33.7 - 50.6	P 42.17	4.27	-	-	-	13
Initial Grouping bySensitivityor Principle											
Luminometric	2	38.8 - 58.1	P 48.44	4.66	29.3 - 43.9	P 36.61	5.04	-	-	-	10
enzymatic	3	47.8 - 71.7	P 59.72	10.09	33.6 - 50.4	P 41.96	4.86	-	-	-	25
Total Population											
Whole Population	4	45.7 - 68.6	P 57.18	9.82	32.4 - 48.6	P 40.54	5.17	-	-	-	40

Pre-Albumin

Initial Grouping bySensitivityor Principle											
Colorimetric	1	17.2 - 28.6	P 22.89	1.01	14.4 - 24.1	P 19.25	0.84	-	-	-	14
Total Population											
Whole Population	2	17.5 - 29.2	P 23.32	1.11	14.6 - 24.3	P 19.47	0.81	-	-	-	27

Prolactin

Initial Grouping byReagent and Instrument											
Beckman Coulter Access & Beckman Coulter Access	1	30 - 55	P 42.6	2.3	20 - 37	P 28.5	1.5	-	-	-	20
Beckman Coulter Access & Beckman Coulter Dxl	2	29 - 54	P 41.8	2.7	20 - 36	P 28.0	2.0	-	-	-	13
Roche Cobas & Roche e411/e601/E170/E2010	3	34 - 63	P 48.6	5.4	23 - 43	P 33.0	2.1	-	-	-	10
Roche Elecsys & Roche e411/e601/E170/E2010	4	35 - 66	P 50.4	2.3	23 - 42	P 32.3	2.1	-	-	-	18
Siemens Immulite & Siemens Immulite 1000	5	32 - 60	P 46.3	4.7	20 - 36	P 27.9	2.5	-	-	-	11
Initial Grouping byReagent											
Beckman Coulter Access	6	30 - 55	P 42.3	2.5	20 - 37	P 28.3	1.7	-	-	-	33
Roche Cobas	7	34 - 62	P 48.0	5.2	23 - 42	P 32.5	2.2	-	-	-	12
Roche Elecsys	8	35 - 64	P 49.5	2.7	22 - 42	P 32.0	2.0	-	-	-	30
Siemens Immulite	9	32 - 59	P 45.7	4.4	19 - 36	P 27.8	2.3	-	-	-	14
Tosoh AIA	10	30 - 56	P 42.7	3.6	20 - 37	P 28.5	2.4	-	-	-	12
Initial Grouping bySensitivityor Principle											
Luminometric	11	32 - 59	P 45.6	4.6	21 - 39	P 29.7	3.1	-	-	-	115
Immunofluorometric-not FPIA	12	30 - 56	P 42.7	3.6	20 - 37	P 28.5	2.4	-	-	-	12
Total Population											
Whole Population	13	32 - 59	P 45.3	4.6	21 - 38	P 29.6	3.1	-	-	-	128

Prostate Specific Ag, Total

Initial Grouping byReagent and Instrument											
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	9.4 - 17.5	P 13.49	1.03	6.2 - 11.5	P 8.88	0.45	-	-	-	24
Beckman Coulter Access & Beckman Coulter Access	2	11.5 - 21.3	P 16.38	0.77	7.9 - 14.6	P 11.22	0.6	-	-	-	51
Beckman Coulter Access & Beckman Coulter Dxl	3	10.9 - 20.3	P 15.63	1.2	7.6 - 14.1	P 10.83	0.63	-	-	-	15
Ortho Vitros & Ortho Vitros 3600, 5600	4	5.9 - 11.0	P 8.48	0.52	4.0 - 7.5	P 5.77	0.34	-	-	-	16
Qual FastPack, FastPack IP & Qualigen FastPack	5	11.7 - 21.8	P 16.74	2.19	8.1 - 15.0	P 11.54	1.45	-	-	-	10
Roche Elecsys & Roche e411/e601/E170/E2010	6	11.4 - 21.2	P 16.34	0.86	7.8 - 14.5	P 11.14	0.5	-	-	-	10
Siemens CrO2 & Siemens Dimension EXL	7	9.9 - 18.3	P 14.08	1.06	6.6 - 12.3	P 9.44	0.88	-	-	-	10
Siemens Dimension Flex & Siemens Dimension EXL	8	10.1 - 18.8	P 14.43	0.65	6.8 - 12.6	P 9.66	0.49	-	-	-	40
Siemens Dimension Flex & Siemens Dimension Xpand	9	9.7 - 18.1	P 13.92	0.63	6.5 - 12.1	P 9.32	0.56	-	-	-	10
Tosoh ST & Tosoh AIA	10	8.6 - 16.0	P 12.28	0.83	5.9 - 10.9	P 8.4	0.58	-	-	-	24
Tosoh ST & Tosoh AIA ST	11	8.6 - 16.0	P 12.32	0.72	5.9 - 11.0	P 8.45	0.41	-	-	-	16
Initial Grouping byReagent											
Abbott Aeroset/Architect	12	9.4 - 17.5	P 13.49	1.03	6.2 - 11.5	P 8.88	0.45	-	-	-	24
Beckman Coulter Access	13	11.3 - 21.1	P 16.21	0.94	7.8 - 14.5	P 11.13	0.63	-	-	-	66
Ortho Vitros	14	5.9 - 11.0	P 8.48	0.49	4.0 - 7.5	P 5.77	0.33	-	-	-	18
Qual FastPack, FastPack IP	15	11.7 - 21.8	P 16.74	2.19	8.1 - 15.0	P 11.54	1.45	-	-	-	10
Roche Elecsys	16	10.9 - 20.3	P 15.6	1.06	7.6 - 14.0	P 10.8	1.05	-	-	-	24
Siemens CrO2	17	9.8 - 18.2	P 14.02	1.03	6.6 - 12.2	P 9.4	0.85	-	-	-	11
Siemens Dimension Flex	18	10.1 - 18.7	P 14.36	0.68	6.7 - 12.5	P 9.6	0.53	-	-	-	53
Tosoh ST	19	8.6 - 16.0	P 12.3	0.79	5.9 - 10.9	P 8.42	0.52	-	-	-	40
Initial Grouping bySensitivityor Principle											
WHO Standardized methods	20	9.9 - 18.3	P 14.11	1.63	6.7 - 12.4	P 9.52	1.14	-	-	-	199
Beckman Coulter all	21	11.3 - 21.0	P 16.17	0.93	7.8 - 14.4	P 11.1	0.62	-	-	-	70
Ortho Vitros all	22	6.9 - 12.8	P 9.82	2.44	4.7 - 8.7	P 6.71	1.74	-	-	-	29
Total Population											
Whole Population	23	9.9 - 18.4	P 14.15	2.34	6.7 - 12.5	P 9.6	1.63	-	-	-	299

Testosterone

Initial Grouping by Reagent and Instrument

Abbott Architect & Abbott Architect c, ci, i	1	862 - 1601	P 1231.7	131.6	582 - 1080	P 830.8	53.4	-	-	-	12
Beckman Coulter Access & Beckman Coulter Access	2	730 - 1356	P 1043.1	54.1	544 - 1011	P 777.6	39.3	-	-	-	36
Beckman Coulter Access & Beckman Coulter DxI	3	701 - 1302	P 1001.8	105.1	513 - 953	P 733.1	44.3	-	-	-	13

Initial Grouping by Reagent

Abbott Architect	4	862 - 1601	P 1231.7	131.6	582 - 1080	P 830.8	53.4	-	-	-	12
Beckman Coulter Access	5	722 - 1341	P 1031.7	74.3	536 - 995	P 765.6	45.2	-	-	-	49
Ortho Vitros	6	969 - 1800	P 1384.5	66.7	764 - 1419	P 1091.8	56.7	-	-	-	11
Roche Elecsys	7	888 - 1650	P 1269.0	70.6	664 - 1234	P 949.1	44.9	-	-	-	20
Siemens Immulite	8	782 - 1453	P 1117.6	189.1	628 - 1166	P 896.8	123.8	-	-	-	12
Tosoh ST	9	964 - 1791	P 1377.8	183.6	721 - 1340	P 1030.4	152.2	-	-	-	18

Initial Grouping by Sensitivity or Principle

Abbott and Siemens Test II	10	846 - 1572	P 1209.2	148.4	578 - 1073	P 825.5	54.5	-	-	-	13
Standardized methods	11	768 - 1427	P 1097.8	155.3	578 - 1074	P 826.0	110.4	-	-	-	103
Ortho Vitros and Tosoh	12	966 - 1795	P 1380.7	144.2	740 - 1374	P 1057.0	124.9	-	-	-	31

Total Population

Whole Population	13	817 - 1517	P 1167.1	191.2	613 - 1139	P 876.4	146.7	-	-	-	150
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Triiodothyronine, Free (FT3)

Initial Grouping by Reagent and Instrument

Abbott CMIA & Abbott Architect c, ci, i	1	6.2 - 11.6	P 8.9	0.68	5.1 - 9.5	P 7.27	0.58	-	-	-	11
Beckman Coulter Access & Beckman Coulter Access	2	6.7 - 12.4	P 9.51	0.36	5.6 - 10.3	P 7.94	0.4	-	-	-	24
Beckman Coulter Access & Beckman Coulter DxI	3	6.0 - 11.2	P 8.64	0.66	5.0 - 9.3	P 7.15	0.6	-	-	-	14

Initial Grouping by Reagent

Abbott CMIA	4	6.2 - 11.6	P 8.9	0.68	5.1 - 9.5	P 7.27	0.58	-	-	-	11
Beckman Coulter Access	5	6.4 - 11.9	P 9.18	0.65	5.4 - 9.9	P 7.65	0.62	-	-	-	38
Roche Elecsys	6	9.3 - 17.3	P 13.3	0.66	7.6 - 14.0	P 10.8	0.63	-	-	-	11
Siemens Immulite	7	7.4 - 13.8	P 10.58	0.84	5.7 - 10.7	P 8.2	0.7	-	-	-	10

Initial Grouping by Sensitivity or Principle

Luminometric	8	7.3 - 13.6	P 10.43	1.73	6.0 - 11.2	P 8.63	1.5	-	-	-	92
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Total Population

Whole Population	9	7.2 - 13.3	P 10.27	1.7	6.0 - 11.2	P 8.6	1.45	-	-	-	112
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Vitamin B12

Initial Grouping by Reagent and Instrument

Abbott CMIA & Abbott Architect c, ci, i	1	822 - 1527	P 1174.3	97.0	628 - 1167	P 897.8	57.7	-	-	-	16
Beckman Coulter Access & Beckman Coulter Access	2	626 - 1162	P 894.2	62.6	515 - 957	P 736.3	43.7	-	-	-	41
Beckman Coulter Access & Beckman Coulter DxI	3	690 - 1281	P 985.3	98.2	526 - 976	P 751.1	50.4	-	-	-	16
Ortho Vitros & Ortho Vitros 3600, 5600	4	634 - 1177	P 905.3	60.0	567 - 1052	P 809.6	69.3	-	-	-	14
Siemens Dimension LOCI & Siemens Dimension EXL	5	766 - 1423	P 1094.3	47.2	577 - 1073	P 825.0	39.7	-	-	-	27

Initial Grouping by Reagent

Abbott CMIA	6	822 - 1527	P 1174.3	97.0	628 - 1167	P 897.8	57.7	-	-	-	16
Beckman Coulter Access	7	644 - 1196	P 920.2	85.1	518 - 963	P 740.5	46.2	-	-	-	57
Ortho Vitros	8	639 - 1188	P 913.5	61.1	571 - 1060	P 815.1	68.6	-	-	-	16
Roche Elecsys	9	851 - 1581	P 1216.1	57.3	623 - 1157	P 890.3	45.5	-	-	-	22
Siemens Dimension LOCI	10	766 - 1422	P 1093.6	45.7	578 - 1073	P 825.7	38.6	-	-	-	29

Initial Grouping by Sensitivity or Principle

Luminometric	11	727 - 1350	P 1038.2	141.0	570 - 1059	P 814.4	81.5	-	-	-	170
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Total Population

Whole Population	12	728 - 1351	P 1039.3	139.7	574 - 1066	P 819.8	82.9	-	-	-	182
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