



## 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	
<b>Ferritin</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	19 - 36	P 27.6	2.2	235 - 437	P 336.0	31.8	-	-	-	-	-	-	-	-	15	
Beckman Coulter Access & Beckman Coulter Access	2	14 - 26	P 20.2	1.4	161 - 299	P 230.0	15.0	-	-	-	-	-	-	-	-	40	
Beckman Coulter Access & Beckman Coulter Dxl	3	14 - 26	P 20.2	1.5	157 - 292	P 224.7	11.0	-	-	-	-	-	-	-	-	12	
Ortho Vitros & Ortho Vitros 3600, 5600	4	14 - 26	P 20.2	1.3	149 - 276	P 212.5	8.9	-	-	-	-	-	-	-	-	11	
Siemens CrO2 & Siemens Dimension EXL	5	21 - 39	P 30.0	1.5	207 - 385	P 296.0	8.9	-	-	-	-	-	-	-	-	20	
Siemens Dimension LOCI & Siemens Dimension EXL	6	21 - 39	P 30.3	1.2	205 - 380	P 292.4	9.1	-	-	-	-	-	-	-	-	14	
Tosoh AIA & Tosoh AIA	7	13 - 25	P 19.2	0.9	150 - 279	P 214.6	9.5	-	-	-	-	-	-	-	-	10	
<b>Initial Grouping by Reagent</b>																	
Abbott Aeroset/Architect	8	19 - 36	P 27.6	2.2	235 - 437	P 336.0	31.8	-	-	-	-	-	-	-	-	15	
Beckman Coulter Access	9	14 - 26	P 20.2	1.4	160 - 297	P 228.7	14.3	-	-	-	-	-	-	-	-	52	
Ortho Vitros	10	14 - 26	P 20.2	1.5	147 - 272	P 209.5	11.1	-	-	-	-	-	-	-	-	17	
Roche Elecsys	11	21 - 40	P 30.6	1.7	218 - 405	P 311.5	17.8	-	-	-	-	-	-	-	-	13	
Siemens CrO2	12	21 - 39	P 29.8	1.5	206 - 382	P 293.8	9.8	-	-	-	-	-	-	-	-	24	
Siemens Dimension LOCI	13	20 - 38	P 29.1	2.8	203 - 377	P 290.1	9.4	-	-	-	-	-	-	-	-	19	
Siemens Immulite	14	21 - 38	P 29.4	2.0	203 - 378	P 290.6	16.4	-	-	-	-	-	-	-	-	10	
Tosoh AIA	15	13 - 25	P 19.1	1.4	147 - 273	P 210.1	13.2	-	-	-	-	-	-	-	-	15	
<b>Initial Grouping by Sensitivity or Principle</b>																	
All other methods	16	19 - 36	P 27.6	2.2	235 - 437	P 336.0	31.8	-	-	-	-	-	-	-	-	15	
Luminometric	17	17 - 32	P 24.8	5.2	184 - 342	P 263.1	39.1	-	-	-	-	-	-	-	-	100	
Spectrophotometric	18	20 - 37	P 28.4	3.2	201 - 373	P 287.1	17.3	-	-	-	-	-	-	-	-	34	
Immunofluorometric-not FPIA	19	14 - 26	P 19.7	1.6	147 - 273	P 209.7	12.1	-	-	-	-	-	-	-	-	32	
<b>Total Population</b>																	
Whole Population	20	18 - 33	P 25.1	5.1	187 - 347	P 266.6	45.8	-	-	-	-	-	-	-	-	189	
<b>Folate</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Beckman Coulter Access & Beckman Coulter Access	1	0.1 - 1.9	C 1.0	0.23	7.4 - 13.7	P 10.51	0.56	-	-	-	-	-	-	-	-	36	
Beckman Coulter Access & Beckman Coulter Dxl	2	0.2 - 2.0	C 1.12	0.24	7.4 - 13.7	P 10.55	0.6	-	-	-	-	-	-	-	-	13	
Ortho Vitros & Ortho Vitros 3600, 5600	3	0.4 - 2.2	C 1.25	0.24	5.7 - 10.6	P 8.15	1.37	-	-	-	-	-	-	-	-	11	
Siemens Advia & Siemens Centaur/Centaur CP	4	0 - 1.3	C 0.36	0.25	7.9 - 14.7	P 11.31	2.85	-	-	-	-	-	-	-	-	11	
Siemens Dimension LOCI & Siemens Dimension EXL	5	0 - 1.8	C 0.85	0.22	3.7 - 6.9	P 5.28	0.42	-	-	-	-	-	-	-	-	24	
<b>Initial Grouping by Reagent</b>																	
Beckman Coulter Access	6	0.1 - 1.9	C 1.03	0.24	7.4 - 13.7	P 10.52	0.57	-	-	-	-	-	-	-	-	49	
Ortho Vitros	7	0.3 - 2.1	C 1.18	0.29	5.7 - 10.6	P 8.15	1.27	-	-	-	-	-	-	-	-	13	
Roche Folate III	8	1.1 - 2.9	C 2.0	0.0	5.2 - 9.6	P 7.39	1.34	-	-	-	-	-	-	-	-	20	
Siemens Advia	9	0 - 1.3	C 0.36	0.25	7.9 - 14.7	P 11.31	2.85	-	-	-	-	-	-	-	-	11	
Siemens Dimension LOCI	10	0 - 1.8	C 0.86	0.23	3.7 - 6.9	P 5.3	0.42	-	-	-	-	-	-	-	-	25	
<b>Initial Grouping by Sensitivity or Principle</b>																	
Immunofluorometric-not FPIA	11	0.7 - 2.5	C 1.64	1.02	6.0 - 11.1	P 8.56	3.02	-	-	-	-	-	-	-	-	19	
Luminometric	12	0.3 - 2.1	C 1.16	0.52	6.0 - 11.1	P 8.52	2.34	-	-	-	-	-	-	-	-	130	
<b>Total Population</b>																	
Whole Population	13	0.3 - 2.1	C 1.22	0.62	6.0 - 11.0	P 8.5	2.42	-	-	-	-	-	-	-	-	152	
<b>Homocysteine</b>																	
<b>Initial Grouping by Reagent</b>																	
Diazyme	1	3.0 - 8.0	C 5.51	0.65	52.3 - 78.4	P 65.37	17.48	-	-	-	-	-	-	-	-	18	
<b>Initial Grouping by Sensitivity or Principle</b>																	

enzymatic	2	3.1 - 8.1	C 5.55	0.61	60.1 - 90.2	P 75.13	25.37	-	-	-	27
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<b>Total Population</b>											
Whole Population	3	2.7 - 7.7	C 5.2	0.92	57.5 - 86.3	P 71.89	22.56	-	-	-	39

**Pre-Albumin**

<b>Initial Grouping by Reagent</b>											
Siemens Dimen Xpand, ExL	1	10.0 - 16.7	P 13.38	0.75	21.1 - 35.2	P 28.12	1.13	-	-	-	10

<b>Initial Grouping by Sensitivity or Principle</b>											
Colorimetric	2	8.8 - 14.7	P 11.75	0.84	20.1 - 33.5	P 26.77	1.39	-	-	-	15
Siemens luminometric	3	10.0 - 16.7	P 13.38	0.75	21.1 - 35.2	P 28.12	1.13	-	-	-	10

<b>Total Population</b>											
Whole Population	4	9.3 - 15.4	P 12.34	1.11	20.4 - 34.0	P 27.23	1.51	-	-	-	28

**Prolactin**

<b>Initial Grouping by Reagent and Instrument</b>											
Beckman Coulter Access & Beckman Coulter Access	1	0 - 5	C 1.0	0.0	41 - 76	P 58.1	3.3	-	-	-	18
Beckman Coulter Access & Beckman Coulter DxI	2	0 - 5	C 1.0	0.0	39 - 73	P 56.3	4.0	-	-	-	12
Roche Cobas & Roche e411/e601/E170/E2010	3	0 - 5	C 1.0	0.0	50 - 93	P 71.3	4.5	-	-	-	10
Roche Elecsys & Roche e411/e601/E170/E2010	4	0 - 5	C 1.0	0.0	49 - 91	P 69.8	6.2	-	-	-	18
Siemens Immulite & Siemens Immulite 1000	5	0 - 5	C 1.0	0.0	54 - 100	P 76.6	4.8	-	-	-	12
Tosoh AIA & Tosoh AIA ST	6	0 - 5	C 1.0	0.0	43 - 79	P 61.0	5.3	-	-	-	12

<b>Initial Grouping by Reagent</b>											
Beckman Coulter Access	7	0 - 5	C 1.0	0.0	40 - 75	P 57.4	3.7	-	-	-	30
Roche Cobas	8	0 - 5	C 1.0	0.0	48 - 89	P 68.4	6.7	-	-	-	15
Roche Elecsys	9	0 - 5	C 1.0	0.0	48 - 89	P 68.6	5.6	-	-	-	28
Siemens Immulite	10	0 - 5	C 1.0	0.0	52 - 96	P 74.2	6.5	-	-	-	15
Tosoh AIA	11	0 - 5	C 1.1	0.5	42 - 79	P 60.6	4.8	-	-	-	16

<b>Initial Grouping by Sensitivity or Principle</b>											
Luminometric	12	0 - 5	C 1.0	0.2	45 - 84	P 64.7	8.1	-	-	-	114
Immunofluorometric-not FPIA	13	0 - 5	C 1.1	0.5	42 - 79	P 60.6	4.8	-	-	-	16

<b>Total Population</b>											
Whole Population	14	0 - 5	C 1.0	0.2	45 - 83	P 64.2	7.9	-	-	-	131

**Prostate Specific Ag, Total**

<b>Initial Grouping by Reagent and Instrument</b>											
Abbott Aeroset/Architect & Abbott Architect c, ci, i	1	0 - 1.2	C 0.3	0.0	14.3 - 26.6	P 20.47	0.93	-	-	-	22
Beckman Coulter Access & Beckman Coulter Access	2	0 - 1.3	C 0.4	0.0	16.8 - 31.1	P 23.95	1.83	-	-	-	55
Beckman Coulter Access & Beckman Coulter DxI	3	0 - 1.3	C 0.36	0.05	16.2 - 30.0	P 23.09	1.02	-	-	-	14
NanoEnTek FREND & NanoEnTek FREND	4	0 - 1.1	C 0.21	0.05	17.2 - 32.0	P 24.62	0.97	-	-	-	11
Ortho Vitros & Ortho Vitros 3600, 5600	5	0 - 1.2	C 0.33	0.05	8.5 - 15.8	P 12.18	0.56	-	-	-	14
Qual FastPack, FastPack IP & Qualigen FastPack	6	0 - 1.1	C 0.19	0.03	21.1 - 39.3	P 30.2	2.82	-	-	-	10
Roche Elecsys & Roche e411/e601/E170/E2010	7	0 - 1.3	C 0.4	0.0	17.1 - 31.8	P 24.45	1.08	-	-	-	11
Siemens Dimension Flex & Siemens Dimension EXL	8	0 - 1.2	C 0.31	0.03	15.0 - 27.9	P 21.46	1.12	-	-	-	38
Siemens Dimension Flex & Siemens Dimension Xpand	9	0 - 1.2	C 0.3	0.0	14.5 - 26.9	P 20.68	1.02	-	-	-	10
Tosoh ST & Tosoh AIA	10	0 - 1.3	C 0.38	0.04	12.8 - 23.8	P 18.3	1.43	-	-	-	22
Tosoh ST & Tosoh AIA ST	11	0 - 1.3	C 0.36	0.05	12.4 - 23.1	P 17.74	1.4	-	-	-	17

<b>Initial Grouping by Reagent</b>											
Abbott Aeroset/Architect	12	0 - 1.2	C 0.3	0.0	14.3 - 26.6	P 20.47	0.93	-	-	-	22
Beckman Coulter Access	13	0 - 1.3	C 0.39	0.03	16.6 - 30.9	P 23.78	1.74	-	-	-	69
NanoEnTek FREND	14	0 - 1.1	C 0.21	0.05	17.2 - 32.0	P 24.62	0.97	-	-	-	11
Ortho Vitros	15	0 - 1.2	C 0.33	0.05	8.6 - 16.0	P 12.29	0.62	-	-	-	16
Qual FastPack, FastPack IP	16	0 - 1.1	C 0.19	0.03	21.1 - 39.3	P 30.2	2.82	-	-	-	10
Roche Elecsys	17	0 - 1.3	C 0.39	0.03	16.6 - 30.9	P 23.76	1.3	-	-	-	24
Siemens CrO2	18	0 - 1.2	C 0.31	0.03	15.5 - 28.7	P 22.1	1.16	-	-	-	10
Siemens Dimension Flex	19	0 - 1.2	C 0.31	0.03	14.9 - 27.7	P 21.32	1.13	-	-	-	51
Tosoh ST	20	0 - 1.3	C 0.37	0.04	12.6 - 23.5	P 18.06	1.44	-	-	-	39

<b>Initial Grouping by Sensitivity or Principle</b>											
WHO Standardized methods	21	0 - 1.2	C 0.32	0.06	14.9 - 27.7	P 21.29	2.97	-	-	-	196
Beckman Coulter all	22	0 - 1.3	C 0.39	0.03	16.6 - 30.9	P 23.78	1.7	-	-	-	72
Ortho Vitros all	23	0 - 1.2	C 0.32	0.05	10.4 - 19.3	P 14.86	4.02	-	-	-	28

Total Population											
Whole Population	24	0 - 1.2	C 0.34	0.06	14.9 - 27.7	P 21.27	3.69	-	-	-	298

## Testosterone

Initial Grouping by Reagent and Instrument											
Abbott Architect & Abbott Architect c, ci, i	1	37 - 68	P 52.5	3.5	947 - 1759	P 1352.7	225.0	-	-	-	10
Beckman Coulter Access & Beckman Coulter Access	2	53 - 98	P 75.4	6.0	885 - 1645	P 1265.0	67.7	-	-	-	38
Beckman Coulter Access & Beckman Coulter DxI	3	54 - 100	P 77.3	3.9	835 - 1551	P 1193.1	59.0	-	-	-	11
Tosoh ST & Tosoh AIA ST	4	68 - 127	P 97.5	10.4	1287 - 2391	P 1839.2	167.6	-	-	-	11
Initial Grouping by Reagent											
Abbott Architect	5	37 - 68	P 52.5	3.5	947 - 1759	P 1352.7	225.0	-	-	-	10
Beckman Coulter Access	6	53 - 99	P 75.8	5.6	874 - 1624	P 1248.9	72.4	-	-	-	49
Roche Cobas	7	52 - 97	P 74.3	23.8	1013 - 1881	P 1447.3	53.9	-	-	-	11
Roche Elecsys	8	57 - 105	P 80.8	5.0	1001 - 1858	P 1429.4	64.3	-	-	-	19
Siemens Immulite	9	123 - 229	P 176.3	35.3	1001 - 1858	P 1429.5	278.3	-	-	-	13
Tosoh ST	10	69 - 128	P 98.4	16.2	1285 - 2387	P 1836.3	136.6	-	-	-	19
Initial Grouping by Sensitivity or Principle											
Standardized methods	11	63 - 118	P 90.7	40.6	927 - 1721	P 1323.7	181.2	-	-	-	121
Ortho Vitros and Tosoh	12	71 - 132	P 101.6	14.8	1239 - 2301	P 1769.7	224.6	-	-	-	29
Total Population											
Whole Population	13	65 - 121	P 92.8	36.9	988 - 1834	P 1410.9	259.2	-	-	-	152

## Triiodothyronine, Free (FT3)

Initial Grouping by Reagent and Instrument											
Abbott CMA & Abbott Architect c, ci, i	1	1.5 - 2.7	P 2.1	0.27	6.5 - 12.0	P 9.22	0.57	-	-	-	10
Beckman Coulter Access & Beckman Coulter Access	2	1.8 - 3.3	P 2.54	0.13	7.2 - 13.4	P 10.29	0.41	-	-	-	24
Beckman Coulter Access & Beckman Coulter DxI	3	1.7 - 3.2	P 2.49	0.2	6.7 - 12.4	P 9.53	0.51	-	-	-	13
Initial Grouping by Reagent											
Abbott CMA	4	1.5 - 2.7	P 2.1	0.27	6.5 - 12.0	P 9.22	0.57	-	-	-	10
Beckman Coulter Access	5	1.8 - 3.3	P 2.53	0.16	7.0 - 13.1	P 10.06	0.6	-	-	-	38
Roche Elecsys	6	2.0 - 3.6	P 2.8	0.17	10.3 - 19.2	P 14.77	0.37	-	-	-	10
Initial Grouping by Sensitivity or Principle											
Luminometric	7	1.8 - 3.4	P 2.64	0.54	8.1 - 15.0	P 11.57	2.19	-	-	-	88
Total Population											
Whole Population	8	2.0 - 3.7	P 2.82	0.64	7.9 - 14.7	P 11.34	2.09	-	-	-	110

## Vitamin B12

Initial Grouping by Reagent and Instrument											
Abbott CMA & Abbott Architect c, ci, i	1	233 - 433	P 332.9	31.0	1016 - 1886	P 1450.9	158.6	-	-	-	13
Beckman Coulter Access & Beckman Coulter Access	2	181 - 335	P 257.9	19.2	750 - 1392	P 1070.9	79.1	-	-	-	42
Beckman Coulter Access & Beckman Coulter DxI	3	180 - 335	P 257.6	13.5	755 - 1403	P 1079.2	61.4	-	-	-	14
Ortho Vitros & Ortho Vitros 3600, 5600	4	236 - 437	P 336.5	13.7	688 - 1278	P 983.4	22.8	-	-	-	11
Siemens Dimension LOCI & Siemens Dimension EXL	5	231 - 428	P 329.3	26.0	944 - 1752	P 1347.9	54.5	-	-	-	27
Initial Grouping by Reagent											
Abbott CMA	6	233 - 433	P 332.9	31.0	1016 - 1886	P 1450.9	158.6	-	-	-	13
Beckman Coulter Access	7	180 - 335	P 257.8	17.9	751 - 1395	P 1073.0	75.1	-	-	-	56
Ortho Vitros	8	236 - 438	P 337.3	13.6	690 - 1282	P 985.8	21.7	-	-	-	13
Roche Elecsys	9	208 - 386	P 297.3	32.9	1050 - 1950	P 1499.7	92.7	-	-	-	21
Siemens Dimension LOCI	10	230 - 428	P 329.0	25.6	945 - 1755	P 1350.0	54.7	-	-	-	28
Initial Grouping by Sensitivity or Principle											
Luminometric	11	206 - 382	P 294.0	42.0	863 - 1603	P 1233.4	228.9	-	-	-	164
Total Population											
Whole Population	12	209 - 387	P 298.0	44.7	866 - 1608	P 1237.0	223.4	-	-	-	175