



Chemistry i-Stat

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	
Bicarbonate (Total CO2) - iSTAT																	
Initial Grouping bySensitivityor Principle																	
All i-STAT non-waived	1	22 - 34	P 28.1	1.0	14 - 22	C 17.6	1.0	20 - 30	P 25.3	0.9	19 - 28	P 23.6	0.8	13 - 21	C 17.1	0.8	14
Total Population																	
Whole Population	2	22 - 33	P 27.7	1.2	14 - 22	C 17.6	1.0	20 - 30	P 25.3	0.9	19 - 28	P 23.5	0.8	13 - 21	C 17.3	0.8	20
Chloride - iSTAT																	
Initial Grouping byReagent																	
Abbott i-STAT CHEM8+	1	87 - 96	P 91.2	0.7	107 - 118	P 112.3	0.4	92 - 102	P 97.3	0.7	75 - 83	P 79.3	0.5	107 - 118	P 112.5	0.5	10
Initial Grouping bySensitivityor Principle																	
All i-STAT non-waived	2	87 - 96	P 91.2	0.7	107 - 118	P 112.3	0.4	92 - 102	P 97.3	0.7	75 - 83	P 79.3	0.5	107 - 118	P 112.5	0.5	10
Total Population																	
Whole Population	3	90 - 99	P 94.7	7.6	109 - 120	P 114.6	5.2	96 - 106	P 101.1	9.0	78 - 86	P 81.8	6.3	109 - 120	P 114.3	4.8	20
Creatinine - iSTAT																	
Initial Grouping byReagent																	
Abbott i-STAT CHEM8+	1	2.2 - 2.9	P 2.54	0.07	6.0 - 8.1	P 7.03	0.27	4.1 - 5.6	P 4.86	0.18	0.1 - 0.7	C 0.4	0.0	6.0 - 8.1	P 7.05	0.25	10
Initial Grouping bySensitivityor Principle																	
All i-STAT non-waived	2	2.2 - 2.9	P 2.54	0.07	6.0 - 8.1	P 7.03	0.27	4.1 - 5.6	P 4.86	0.18	0.1 - 0.7	C 0.4	0.0	6.0 - 8.1	P 7.05	0.25	10
Total Population																	
Whole Population	3	2.2 - 2.9	P 2.55	0.12	6.0 - 8.1	P 7.03	0.21	4.1 - 5.6	P 4.83	0.26	0.1 - 0.7	C 0.38	0.05	6.0 - 8.1	P 7.02	0.27	21
Glucose - iSTAT																	
Initial Grouping byReagent																	
Abbott i-STAT CHEM8+	1	78 - 95	P 86.6	0.9	30 - 42	C 36.4	0.7	177 - 216	P 196.8	1.4	44 - 56	C 50.1	0.9	31 - 43	C 36.6	0.8	10
Initial Grouping bySensitivityor Principle																	
All i-STAT non-waived	2	78 - 95	P 86.7	0.9	30 - 42	C 36.4	0.6	177 - 216	P 196.7	1.4	44 - 56	C 50.1	0.9	31 - 43	C 36.6	0.8	12
Total Population																	
Whole Population	3	84 - 103	P 93.7	17.1	32 - 44	C 38.1	4.4	182 - 222	P 201.9	14.2	46 - 58	C 51.6	3.2	33 - 45	C 38.7	5.1	22
Ionized Calcium - iSTAT																	
Initial Grouping bySensitivityor Principle																	
All i-STAT non-waived	1	1.1 - 1.6	C 1.31	0.03	2.3 - 2.8	C 2.5	0.0	0.7 - 1.2	C 0.97	0.05	0.4 - 0.9	C 0.6	0.0	2.3 - 2.8	C 2.5	0.0	11
Total Population																	
Whole Population	2	1.0 - 1.5	C 1.26	0.11	2.2 - 2.7	C 2.44	0.13	0.7 - 1.2	C 0.93	0.07	0.4 - 0.9	C 0.6	0.0	2.2 - 2.7	C 2.44	0.13	21
Ionized Magnesium - iStat																	
Initial Grouping byReagent																	
Nova CCX	1	0 - 2.6	P 0.1	0.0	0 - 5.2	P 0.2	0.0	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 6.1	P 0.23	0.05	3
Initial Grouping bySensitivityor Principle																	
All other	2	0 - 2.6	P 0.1	0.0	0 - 5.2	P 0.2	0.0	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 6.1	P 0.23	0.05	3
Total Population																	
Whole Population	3	0 - 2.6	P 0.1	0.0	0 - 5.2	P 0.2	0.0	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 6.1	P 0.23	0.05	3
Lactate - iSTAT																	
Total Population																	
Whole Population	1	0.5 - 0.9	P 0.73	0.05	3.8 - 6.4	P 5.1	0.09	1.7 - 2.9	P 2.3	0.0	4.9 - 8.1	P 6.5	0.0	3.8 - 6.4	P 5.11	0.09	8

Potassium - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	3.9 - 4.9	C 4.4	0.0	2.9 - 3.9	C 3.4	0.0	4.1 - 5.1	C 4.6	0.0	1.8 - 2.8	C 2.26	0.05	2.9 - 3.9	C 3.42	0.04	10
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	3.9 - 4.9	C 4.4	0.0	2.9 - 3.9	C 3.4	0.0	4.1 - 5.1	C 4.6	0.0	1.8 - 2.8	C 2.25	0.05	2.9 - 3.9	C 3.42	0.04	12
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Total Population

Whole Population	3	3.9 - 4.9	C 4.37	0.09	2.9 - 3.9	C 3.39	0.03	4.1 - 5.1	C 4.58	0.06	1.8 - 2.8	C 2.26	0.05	2.9 - 3.9	C 3.4	0.04	24
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Sodium - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	134 - 142	C 137.9	0.7	128 - 136	C 131.6	0.7	149 - 157	C 153.0	7.0	122 - 130	C 126.2	0.7	128 - 136	C 131.6	0.5	10
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	134 - 142	C 138.0	0.7	128 - 136	C 131.7	0.7	150 - 158	C 153.5	6.5	122 - 130	C 126.3	0.7	128 - 136	C 131.8	0.6	12
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Total Population

Whole Population	3	132 - 140	C 135.5	6.1	126 - 134	C 130.0	4.1	148 - 156	C 152.2	7.1	121 - 129	C 124.9	3.7	126 - 134	C 130.1	4.0	22
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Urea Nitrogen (BUN) - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	32 - 39	P 35.7	1.2	4 - 8	C 5.6	0.5	50 - 60	P 55.4	1.3	7 - 11	C 9.0	0.0	4 - 8	C 5.7	0.5	10
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	32 - 39	P 35.7	1.2	4 - 8	C 5.6	0.5	50 - 60	P 55.4	1.3	7 - 11	C 9.0	0.0	4 - 8	C 5.7	0.5	10
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Total Population

Whole Population	3	31 - 37	P 33.6	4.0	4 - 8	C 5.7	0.6	48 - 58	P 53.1	5.1	7 - 11	C 9.2	0.4	4 - 8	C 5.6	0.7	19
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pH - iSTAT

Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	7.295 - 7.375	C 7.3352	0.0117	6.871 - 6.951	C 6.9114	0.0182	7.278 - 7.358	C 7.3176	0.0087	7.273 - 7.353	C 7.313	0.0113	6.874 - 6.954	C 6.9137	0.022	14
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	7.295 - 7.375	C 7.3347	0.0113	6.872 - 6.952	C 6.9115	0.0176	7.278 - 7.358	C 7.3175	0.0084	7.273 - 7.353	C 7.3128	0.0109	6.873 - 6.953	C 6.9133	0.0213	14
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Total Population

Whole Population	3	7.295 - 7.375	C 7.3351	0.0106	6.88 - 6.96	C 6.9201	0.0254	7.277 - 7.357	C 7.3172	0.0083	7.271 - 7.351	C 7.3107	0.0116	6.881 - 6.961	C 6.9212	0.0263	18
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pCO2 - iSTAT

Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	43.9 - 53.9	C 48.85	2.54	65.5 - 76.9	P 71.21	3.38	40.1 - 50.1	C 45.07	1.72	37.0 - 47.0	C 42.0	1.76	64.3 - 75.5	P 69.88	2.89	14
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	44.0 - 54.0	C 49.01	2.5	65.4 - 76.8	P 71.11	3.28	40.2 - 50.2	C 45.19	1.72	37.1 - 47.1	C 42.12	1.76	64.4 - 75.6	P 69.99	2.82	14
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Total Population

Whole Population	3	44.0 - 54.0	C 49.01	2.5	65.4 - 76.8	P 71.11	3.28	40.2 - 50.2	C 45.19	1.72	37.1 - 47.1	C 42.12	1.76	64.4 - 75.6	P 69.99	2.82	15
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pO2 - iSTAT

Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	139 - 231	S 185.2	15.3	28 - 92	S 59.6	10.7	133 - 197	S 165.1	10.6	42 - 125	S 83.1	13.9	24 - 91	S 57.1	11.1	14
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	140 - 234	S 186.7	15.7	28 - 90	S 59.3	10.4	133 - 196	S 164.5	10.6	42 - 123	S 82.7	13.5	24 - 89	S 56.6	10.9	15
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Total Population

Whole Population	3	140 - 234	S 186.7	15.7	28 - 90	S 59.3	10.4	133 - 196	S 164.5	10.6	42 - 123	S 82.7	13.5	24 - 89	S 56.6	10.9	15
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Hemoglobin - iSTAT

Total Population

Whole Population	1	11.3 - 13.0	P 12.19	0.25	5.8 - 6.7	P 6.25	0.19	10.2 - 11.8	P 10.99	0.13	4.7 - 5.5	P 5.1	0.0	5.9 - 6.8	P 6.35	0.19	11
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Hematocrit - iSTAT

Total Population

Whole Population	1	34 - 38	P 35.9	0.8	17 - 20	P 18.4	0.5	30 - 34	P 32.3	0.5	14 - 16	C 15.0	0.0	17 - 20	P 18.6	0.5	11
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