



Chemistry i-Stat

Name	Line No.	Specimen 6			Specimen 7			Specimen 8			Specimen 9			Specimen 10			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 by Sensitivity or Principle																	
All i-STAT non-waived	1	18 - 27	P 22.6	1.0	22 - 33	P 27.5	0.9	20 - 30	P 24.6	1.1	14 - 22	C 17.6	1.1	22 - 33	P 27.6	0.8	11
Total Population																	
Whole Population	2	18 - 27	P 22.8	1.2	22 - 33	P 27.4	1.2	20 - 30	P 24.8	1.1	14 - 22	C 17.8	1.1	22 - 33	P 27.6	1.2	16
Chloride - iSTAT																	
Total Population																	
Whole Population	1	78 - 87	P 82.5	6.7	90 - 99	P 94.7	8.4	96 - 106	P 100.9	9.5	108 - 120	P 114.1	4.9	90 - 99	P 94.7	8.4	15
Creatinine - iSTAT																	
Total Population																	
Whole Population	1	0.1 - 0.7	C 0.37	0.05	2.2 - 3.0	P 2.57	0.33	3.9 - 5.3	P 4.63	0.13	6.0 - 8.2	P 7.1	0.82	2.2 - 3.0	P 2.58	0.37	15
Glucose - iSTAT																	
Total Population																	
Whole Population	1	49 - 61	C 54.5	12.6	80 - 97	P 88.5	6.7	178 - 217	P 197.4	7.6	31 - 43	C 36.8	2.6	80 - 98	P 89.1	8.1	17
Ionized Calcium - iSTAT																	
Total Population																	
Whole Population	1	0.4 - 0.9	C 0.6	0.0	1.0 - 1.5	C 1.24	0.1	0.7 - 1.2	C 0.93	0.07	2.2 - 2.7	C 2.43	0.14	1.0 - 1.5	C 1.25	0.12	14
Ionized Magnesium - iStat																	
Total Population																	
Whole Population	1	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	2
Lactate - iSTAT																	
Total Population																	
Whole Population	1	4.9 - 8.1	P 6.5	0.11	0.6 - 0.9	P 0.74	0.05	1.7 - 2.8	P 2.27	0.07	3.8 - 6.3	P 5.07	0.12	0.6 - 0.9	P 0.74	0.07	7
Potassium - iSTAT																	
Total Population																	
Whole Population	1	1.7 - 2.7	C 2.24	0.05	3.9 - 4.9	C 4.37	0.1	4.1 - 5.1	C 4.58	0.07	2.9 - 3.9	C 3.39	0.04	3.9 - 4.9	C 4.36	0.09	19
Sodium - iSTAT																	
Initial Grouping by Sensitivity or Principle																	
All i-STAT non-waived	1	122 - 130	C 126.3	0.5	134 - 142	C 138.2	0.9	152 - 160	C 156.1	0.7	128 - 136	C 131.9	0.5	134 - 142	C 138.2	0.6	10
Total Population																	
Whole Population	2	121 - 129	C 125.1	3.5	132 - 140	C 136.0	5.7	150 - 158	C 154.0	5.7	127 - 135	C 130.5	3.7	133 - 141	C 136.9	4.4	17
Urea Nitrogen (BUN) - iSTAT																	
Total Population																	
Whole Population	1	7 - 11	C 9.0	0.0	30 - 36	P 32.8	4.2	47 - 56	P 51.2	5.1	3 - 7	C 5.4	0.5	30 - 36	P 32.7	4.2	14
pH - iSTAT																	

Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	7.258 - 7.338	C 7.2976	0.0111	7.271 - 7.351	C 7.3109	0.0034	7.271 - 7.351	C 7.3108	0.0144	6.873 - 6.953	C 6.9127	0.0115	7.276 - 7.356	C 7.3156	0.0078	12
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	7.256 - 7.336	C 7.2962	0.0116	7.27 - 7.35	C 7.31	0.0045	7.269 - 7.349	C 7.3094	0.0146	6.871 - 6.951	C 6.9109	0.0126	7.275 - 7.355	C 7.3147	0.0081	13
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Total Population

Whole Population	3	7.256 - 7.336	C 7.2962	0.0116	7.27 - 7.35	C 7.31	0.0045	7.269 - 7.349	C 7.3094	0.0146	6.871 - 6.951	C 6.9109	0.0126	7.275 - 7.355	C 7.3147	0.0081	13
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pCO2 - iSTAT**Initial Grouping by Reagent**

Abbott i-STAT Bld Gas Car	1	37.0 - 47.0	C 41.96	2.63	44.8 - 54.8	C 49.78	2.63	39.1 - 49.1	C 44.14	2.85	66.0 - 77.5	P 71.72	2.15	44.4 - 54.4	C 49.39	2.72	12
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	37.3 - 47.3	C 42.33	2.84	45.1 - 55.1	C 50.09	2.75	39.6 - 49.6	C 44.58	3.12	66.4 - 78.0	P 72.21	2.66	44.8 - 54.8	C 49.76	2.88	13
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Total Population

Whole Population	3	37.3 - 47.3	C 42.33	2.84	45.1 - 55.1	C 50.09	2.75	39.6 - 49.6	C 44.58	3.12	66.4 - 78.0	P 72.21	2.66	44.8 - 54.8	C 49.76	2.88	13
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pO2 - iSTAT**Initial Grouping by Reagent**

Abbott i-STAT Bld Gas Car	1	41 - 130	S 85.5	14.9	173 - 217	S 195.2	7.3	135 - 203	S 168.7	11.3	38 - 80	S 59.3	7.0	151 - 234	S 192.2	13.8	12
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	42 - 128	S 85.0	14.3	171 - 222	S 196.5	8.5	133 - 208	S 170.4	12.4	38 - 80	S 58.9	6.9	151 - 237	S 193.7	14.3	13
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Total Population

Whole Population	3	42 - 128	S 85.0	14.3	171 - 222	S 196.5	8.5	133 - 208	S 170.4	12.4	38 - 80	S 58.9	6.9	151 - 237	S 193.7	14.3	13
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Hemoglobin - iSTAT**Total Population**

Whole Population	1	4.7 - 5.5	P 5.1	0.0	11.4 - 13.2	P 12.3	0.37	10.2 - 11.7	P 10.98	0.29	5.9 - 6.8	P 6.35	0.19	11.4 - 13.2	P 12.3	0.17	8
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Hematocrit - iSTAT**Total Population**

Whole Population	1	14 - 16	C 15.0	0.0	34 - 38	P 36.3	1.1	30 - 34	P 32.3	0.8	17 - 20	P 18.6	0.5	34 - 38	P 36.3	0.4	8
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