



## 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	
<b>Bicarbonate (Total CO2) - iSTAT</b>																	
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	1	20 - 31	P 25.6	0.8	14 - 22	C 18.3	1.0	21 - 31	P 26.1	0.6	19 - 28	P 23.4	0.6	20 - 30	P 25.2	0.8	14
<b>Total Population</b>																	
Whole Population	2	21 - 31	P 25.8	0.9	14 - 22	C 18.3	0.9	21 - 31	P 26.2	0.6	19 - 28	P 23.5	0.6	20 - 30	P 25.3	0.7	18
<b>Chloride - iSTAT</b>																	
<b>Initial Grouping byReagent</b>																	
Abbott i-STAT CHEM8+	1	92 - 102	P 97.2	0.7	100 - 110	P 105.1	0.8	83 - 91	P 87.0	0.4	75 - 83	P 79.3	0.5	92 - 102	P 96.7	1.2	10
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	2	92 - 102	P 97.2	0.7	100 - 110	P 105.1	0.8	83 - 91	P 87.0	0.4	75 - 83	P 79.3	0.5	92 - 102	P 96.7	1.2	10
<b>Total Population</b>																	
Whole Population	3	96 - 106	P 101.3	10.2	104 - 114	P 109.0	8.7	85 - 94	P 89.8	7.2	78 - 86	P 82.1	6.6	96 - 106	P 101.2	10.1	19
<b>Creatinine - iSTAT</b>																	
<b>Initial Grouping byReagent</b>																	
Abbott i-STAT CHEM8+	1	4.2 - 5.6	P 4.91	0.16	0.8 - 1.4	C 1.11	0.05	5.0 - 6.8	P 5.91	0.24	0.1 - 0.7	C 0.4	0.0	4.2 - 5.6	P 4.9	0.09	10
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	2	4.2 - 5.6	P 4.91	0.16	0.8 - 1.4	C 1.11	0.05	5.0 - 6.8	P 5.91	0.24	0.1 - 0.7	C 0.4	0.0	4.2 - 5.6	P 4.9	0.09	10
<b>Total Population</b>																	
Whole Population	3	4.2 - 5.7	P 4.95	0.21	0.8 - 1.4	C 1.13	0.05	5.0 - 6.7	P 5.86	0.27	0.1 - 0.7	C 0.39	0.04	4.2 - 5.6	P 4.91	0.2	19
<b>Glucose - iSTAT</b>																	
<b>Initial Grouping byReagent</b>																	
Abbott i-STAT CHEM8+	1	177 - 217	P 197.1	1.9	77 - 94	P 85.8	0.6	131 - 160	P 145.6	0.7	45 - 57	C 50.9	1.0	178 - 217	P 197.7	1.5	10
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	2	177 - 216	P 196.6	3.2	77 - 94	P 85.6	1.3	131 - 160	P 145.2	2.0	45 - 57	C 50.8	0.9	178 - 218	P 197.8	1.5	12
<b>Total Population</b>																	
Whole Population	3	176 - 215	P 195.8	3.4	77 - 94	P 85.4	2.0	126 - 154	P 140.0	21.5	45 - 57	C 51.3	1.8	177 - 216	P 196.6	2.3	21
<b>Ionized Calcium - iSTAT</b>																	
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	1	0.7 - 1.2	C 0.95	0.05	0.5 - 1.0	C 0.76	0.05	1.9 - 2.4	C 2.19	0.03	0.4 - 0.9	C 0.6	0.0	0.7 - 1.2	C 0.97	0.06	11
<b>Total Population</b>																	
Whole Population	2	0.7 - 1.2	C 0.94	0.06	0.5 - 1.0	C 0.75	0.05	1.9 - 2.4	C 2.14	0.14	0.4 - 0.9	C 0.6	0.0	0.7 - 1.2	C 0.94	0.08	19
<b>Ionized Magnesium - iStat</b>																	
<b>Initial Grouping byReagent</b>																	
Nova CCX	1	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 4.42	P 0.17	0.042	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	3
<b>Initial Grouping bySensitivityor Principle</b>																	
All other	2	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 4.42	P 0.17	0.042	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	3
<b>Total Population</b>																	
Whole Population	3	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	0 - 4.42	P 0.17	0.042	0 - 2.6	P 0.1	0.0	0 - 2.6	P 0.1	0.0	3
<b>Lactate - iSTAT</b>																	
<b>Total Population</b>																	
Whole Population	1	1.6 - 2.7	P 2.17	0.05	0.8 - 1.4	P 1.13	0.05	2.6 - 4.4	P 3.51	0.03	4.8 - 8.0	P 6.39	0.06	1.7 - 2.8	P 2.2	0.0	7

## Potassium - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	4.1 - 5.1	C 4.6	0.04	5.7 - 6.7	C 6.18	0.04	3.3 - 4.3	C 3.8	0.0	1.8 - 2.8	C 2.27	0.05	4.1 - 5.1	C 4.6	0.0	10
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### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	4.1 - 5.1	C 4.6	0.04	5.7 - 6.7	C 6.18	0.04	3.3 - 4.3	C 3.8	0.0	1.8 - 2.8	C 2.28	0.04	4.1 - 5.1	C 4.6	0.0	12
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### Total Population

Whole Population	3	4.1 - 5.1	C 4.58	0.08	5.7 - 6.7	C 6.16	0.07	3.3 - 4.3	C 3.8	0.02	1.8 - 2.8	C 2.27	0.05	4.1 - 5.1	C 4.58	0.04	23
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## Sodium - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	152 - 160	C 155.7	0.6	145 - 153	C 149.4	0.5	137 - 145	C 140.5	0.7	122 - 130	C 126.4	0.7	152 - 160	C 155.8	0.6	10
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### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	152 - 160	C 155.8	0.6	146 - 154	C 149.6	0.6	137 - 145	C 140.6	0.6	122 - 130	C 126.4	0.6	152 - 160	C 155.9	0.7	12
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### Total Population

Whole Population	3	149 - 157	C 153.4	5.9	143 - 151	C 147.4	5.4	135 - 143	C 139.1	3.8	121 - 129	C 124.9	4.0	150 - 158	C 153.5	6.0	21
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## Urea Nitrogen (BUN) - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	52 - 63	P 57.6	1.1	21 - 25	P 22.8	0.6	56 - 67	P 61.7	0.9	7 - 11	C 9.3	0.5	53 - 63	P 58.0	1.9	10
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### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	52 - 63	P 57.6	1.1	21 - 25	P 22.8	0.6	56 - 67	P 61.7	0.9	7 - 11	C 9.3	0.5	53 - 63	P 58.0	1.9	10
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### Total Population

Whole Population	3	50 - 60	P 54.7	6.6	20 - 24	C 21.7	2.4	54 - 65	P 59.4	5.7	7 - 11	C 9.4	0.5	50 - 60	P 54.8	6.9	18
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## pH - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	7.282 - 7.362	C 7.3215	0.0052	7.47 - 7.55	C 7.5098	0.0072	7.113 - 7.193	C 7.1526	0.0067	7.271 - 7.351	C 7.3107	0.0064	7.286 - 7.366	C 7.3261	0.0093	11
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### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	7.282 - 7.362	C 7.3215	0.005	7.47 - 7.55	C 7.5098	0.0069	7.112 - 7.192	C 7.1522	0.0065	7.27 - 7.35	C 7.3104	0.0062	7.286 - 7.366	C 7.3261	0.0089	12
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### Total Population

Whole Population	3	7.28 - 7.36	C 7.3201	0.0053	7.465 - 7.545	C 7.5051	0.012	7.113 - 7.193	C 7.1533	0.0073	7.27 - 7.35	C 7.3104	0.0089	7.289 - 7.369	C 7.329	0.0104	15
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## pCO2 - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	40.6 - 50.6	C 45.64	1.98	15.2 - 25.2	C 20.24	0.76	63.6 - 74.6	P 69.12	1.83	36.7 - 46.7	C 41.65	3.38	39.5 - 49.5	C 44.46	1.52	11
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### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	40.8 - 50.8	C 45.82	1.99	15.3 - 25.3	C 20.3	0.76	63.7 - 74.8	P 69.23	1.78	36.9 - 46.9	C 41.86	3.31	39.5 - 49.5	C 44.5	1.46	12
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### Total Population

Whole Population	3	40.8 - 50.8	C 45.82	1.99	15.3 - 25.3	C 20.3	0.76	63.7 - 74.8	P 69.23	1.78	36.9 - 46.9	C 41.86	3.31	39.5 - 49.5	C 44.5	1.46	12
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## pO2 - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	152 - 185	S 168.4	5.5	139 - 183	S 161.2	7.2	72 - 101	S 86.2	4.9	49 - 99	S 74.2	8.3	143 - 186	S 164.8	7.1	11
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### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	148 - 191	S 169.8	7.2	138 - 188	S 162.6	8.4	72 - 101	S 86.5	4.8	49 - 98	S 73.6	8.1	142 - 190	S 166.1	7.9	12
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### Total Population

Whole Population	3	148 - 191	S 169.8	7.2	138 - 188	S 162.6	8.4	72 - 101	S 86.5	4.8	49 - 98	S 73.6	8.1	142 - 190	S 166.1	7.9	12
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## Hemoglobin - iSTAT

### Total Population

Whole Population	1	10.3 - 11.8	P 11.03	0.14	8.7 - 10.0	P 9.36	0.22	8.0 - 9.2	P 8.56	0.12	4.8 - 5.6	P 5.19	0.14	10.2 - 11.7	P 10.98	0.12	10
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## Hematocrit - iSTAT

### Total Population

Whole Population	1	30 - 34	P 32.4	0.5	26 - 29	P 27.5	0.7	24 - 27	P 25.2	0.4	14 - 16	C 15.3	0.5	30 - 34	P 32.2	0.4	10
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