



## 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	14 - 22	C 17.6	1.1	20 - 30	P 25.1	1.1	22 - 33	P 27.8	1.0	18 - 28	P 23.0	0.8	20 - 30	P 25.1	0.9	14
<b>Total Population</b>																	
Whole Population	2	14 - 22	C 17.7	1.0	20 - 30	P 25.1	1.0	22 - 33	P 27.7	0.9	19 - 28	P 23.2	0.8	20 - 30	P 25.2	0.9	18
<b>Chloride - iSTAT</b>																	
<b>Total Population</b>																	
Whole Population	1	109 - 121	P 115.1	6.1	97 - 108	P 102.5	10.6	92 - 102	P 97.1	11.5	79 - 88	P 83.4	7.1	97 - 108	P 102.5	11.2	17
<b>Creatinine - iSTAT</b>																	
<b>Initial Grouping byReagent</b>																	
Abbott i-STAT CHEM8+	1	5.9 - 7.9	P 6.9	0.18	3.9 - 5.3	P 4.6	0.12	2.1 - 2.8	P 2.45	0.07	0.1 - 0.7	C 0.37	0.05	3.9 - 5.3	P 4.61	0.12	10
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	2	5.9 - 7.9	P 6.9	0.18	3.9 - 5.3	P 4.6	0.12	2.1 - 2.8	P 2.45	0.07	0.1 - 0.7	C 0.37	0.05	3.9 - 5.3	P 4.61	0.12	10
<b>Total Population</b>																	
Whole Population	3	6.0 - 8.1	P 7.03	0.3	4.0 - 5.4	P 4.73	0.24	2.1 - 2.9	P 2.5	0.13	0.1 - 0.7	C 0.37	0.05	4.0 - 5.4	P 4.72	0.23	18
<b>Glucose - iSTAT</b>																	
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	1	31 - 43	C 36.5	0.7	176 - 215	P 195.5	2.7	78 - 95	P 86.4	0.9	44 - 56	C 50.1	0.5	176 - 215	P 195.4	1.2	11
<b>Total Population</b>																	
Whole Population	2	34 - 46	C 39.5	7.1	181 - 221	P 201.1	13.2	81 - 99	P 89.8	8.0	46 - 58	C 51.5	3.8	180 - 221	P 200.5	13.3	19
<b>Ionized Calcium - iSTAT</b>																	
<b>Total Population</b>																	
Whole Population	1	2.2 - 2.7	C 2.41	0.15	0.7 - 1.2	C 0.94	0.08	1.0 - 1.5	C 1.23	0.11	0.3 - 0.8	C 0.59	0.03	0.7 - 1.2	C 0.94	0.08	17
<b>Ionized Magnesium - iStat</b>																	
<b>Initial Grouping byReagent</b>																	
Nova CCX	1	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 - 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 - 5.2	P 0.2	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	3
<b>Total Population</b>																	
Whole Population	3	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 - 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	3.8 - 6.3	P 5.01	0.11	1.7 - 2.8	P 2.26	0.14	0.5 - 0.9	P 0.7	0.0	4.9 - 8.1	P 6.49	0.06	1.7 - 2.8	P 2.2	0.0	7
<b>Potassium - iSTAT</b>																	
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	1	2.9 - 3.9	C 3.4	0.0	4.1 - 5.1	C 4.6	0.0	3.9 - 4.9	C 4.4	0.0	1.7 - 2.7	C 2.23	0.04	4.1 - 5.1	C 4.6	0.0	11
<b>Total Population</b>																	
Whole Population	2	2.9 - 3.9	C 3.38	0.04	4.1 - 5.1	C 4.57	0.06	3.9 - 4.9	C 4.35	0.12	1.7 - 2.7	C 2.23	0.05	4.1 - 5.1	C 4.57	0.06	21

## Sodium - iSTAT

### Initial Grouping bySensitivityor Principle

All i-STAT non-waived	1	128 - 136	C 132.3	0.7	152 - 160	C 155.7	0.9	134 - 142	C 137.7	0.6	122 - 130	C 126.0	0.6	152 - 160	C 155.8	0.6	11
<b>Total Population</b>																	
Whole Population	2	126 - 134	C 130.0	4.6	149 - 157	C 153.2	5.8	131 - 139	C 134.8	6.6	121 - 129	C 124.5	3.9	149 - 157	C 153.1	6.1	19

## Urea Nitrogen (BUN) - iSTAT

### Total Population

Whole Population	1	4 - 8	C 5.6	0.6	46 - 55	P 50.8	5.0	30 - 35	P 32.5	4.0	7 - 11	C 9.1	0.3	46 - 55	P 50.3	5.0	17
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## pH - iSTAT

### Initial Grouping byReagent

Abbott i-STAT Bld Gas Car	1	6.884 - 6.964	C 6.9241	0.0237	7.266 - 7.346	C 7.3058	0.0052	7.278 - 7.358	C 7.3179	0.0066	7.257 - 7.337	C 7.2973	0.0082	7.264 - 7.344	C 7.3044	0.0047	11
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### Initial Grouping bySensitivityor Principle

All i-STAT non-waived	2	6.882 - 6.962	C 6.9222	0.0236	7.265 - 7.345	C 7.3054	0.0052	7.277 - 7.357	C 7.3168	0.0073	7.257 - 7.337	C 7.2968	0.008	7.264 - 7.344	C 7.3043	0.0045	12
<b>Total Population</b>																	
Whole Population	3	6.882 - 6.962	C 6.9222	0.0236	7.265 - 7.345	C 7.3054	0.0052	7.277 - 7.357	C 7.3168	0.0073	7.257 - 7.337	C 7.2968	0.008	7.264 - 7.344	C 7.3043	0.0045	12

## pCO2 - iSTAT

### Initial Grouping byReagent

Abbott i-STAT Bld Gas Car	1	63.0 - 73.9	P 68.45	6.18	41.1 - 51.1	C 46.13	1.58	44.3 - 54.3	C 49.29	1.9	37.7 - 47.7	C 42.73	0.76	41.5 - 51.5	C 46.45	1.7	11
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### Initial Grouping bySensitivityor Principle

All i-STAT non-waived	2	63.2 - 74.2	P 68.73	5.99	41.2 - 51.2	C 46.17	1.52	44.4 - 54.4	C 49.44	1.89	37.8 - 47.8	C 42.83	0.81	41.4 - 51.4	C 46.41	1.64	12
<b>Total Population</b>																	
Whole Population	3	63.2 - 74.2	P 68.73	5.99	41.2 - 51.2	C 46.17	1.52	44.4 - 54.4	C 49.44	1.89	37.8 - 47.8	C 42.83	0.81	41.4 - 51.4	C 46.41	1.64	12

## pO2 - iSTAT

### Initial Grouping byReagent

Abbott i-STAT Bld Gas Car	1	37 - 74	S 55.6	6.2	135 - 198	S 166.5	10.5	164 - 216	S 190.1	8.8	44 - 117	S 80.5	12.3	146 - 188	S 167.2	7.0	11
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### Initial Grouping bySensitivityor Principle

All i-STAT non-waived	2	38 - 74	S 55.9	5.9	134 - 202	S 168.1	11.3	164 - 218	S 191.1	9.0	44 - 116	S 80.0	11.9	146 - 191	S 168.2	7.5	12
<b>Total Population</b>																	
Whole Population	3	38 - 74	S 55.9	5.9	134 - 202	S 168.1	11.3	164 - 218	S 191.1	9.0	44 - 116	S 80.0	11.9	146 - 191	S 168.2	7.5	12

## Hemoglobin - iSTAT

### Total Population

Whole Population	1	6.0 - 6.9	P 6.43	0.26	10.3 - 11.9	P 11.09	0.29	11.5 - 13.2	P 12.32	0.32	4.7 - 5.5	P 5.1	0.0	10.3 - 11.8	P 11.06	0.29	9
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## Hematocrit - iSTAT

### Total Population

Whole Population	1	18 - 20	P 18.9	0.7	31 - 35	P 32.6	0.8	34 - 38	P 36.3	0.9	14 - 16	C 15.0	0.0	30 - 34	P 32.4	0.8	9
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