



## 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 by Reagent</b>																	
Abbott i-STAT CHEM8+	1	16 - 24	P 20.4	0.7	15 - 23	C 19.4	0.5	11 - 19	C 15.3	0.6	16 - 24	C 19.5	0.9	13 - 21	C 17.1	0.5	15
Abbott i-STAT CHEM8+, waived	2	17 - 25	P 20.9	0.5	16 - 24	C 19.9	0.7	11 - 19	C 15.4	0.5	16 - 24	C 19.7	0.6	13 - 21	C 17.1	0.5	10
<b>Initial Grouping by Sensitivity or Principle</b>																	
All i-STAT non-waived	3	16 - 24	P 20.4	0.7	15 - 23	C 19.4	0.5	11 - 19	C 15.3	0.6	16 - 24	C 19.5	0.9	13 - 21	C 17.1	0.5	16
All i-STAT waived	4	17 - 25	P 20.9	0.5	16 - 24	C 19.9	0.7	11 - 19	C 15.4	0.5	16 - 24	C 19.7	0.6	13 - 21	C 17.1	0.5	10
<b>Total Population</b>																	
Whole Population	5	16 - 25	P 20.6	0.8	16 - 24	C 19.6	0.7	11 - 19	C 15.3	0.5	16 - 24	C 19.6	0.8	13 - 21	C 17.0	0.5	27
<b>Chloride - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	
Abbott i-STAT CHEM8+	1	73 - 80	P 76.5	1.0	111 - 122	P 116.5	0.6	95 - 105	P 100.4	0.7	94 - 103	P 98.5	0.9	68 - 75	P 71.3	0.5	15
Abbott i-STAT CHEM8+, waived	2	73 - 80	P 76.4	0.9	110 - 122	P 116.1	1.2	95 - 105	P 100.2	0.4	93 - 103	P 97.9	0.5	68 - 75	P 71.4	0.8	10
<b>Initial Grouping by Sensitivity or Principle</b>																	
All i-STAT non-waived	3	73 - 80	P 76.5	1.0	111 - 122	P 116.5	0.6	95 - 105	P 100.4	0.7	94 - 103	P 98.5	0.9	68 - 75	P 71.3	0.5	15
All i-STAT waived	4	73 - 80	P 76.4	0.9	110 - 122	P 116.1	1.2	95 - 105	P 100.2	0.4	93 - 103	P 97.9	0.5	68 - 75	P 71.4	0.8	10
<b>Total Population</b>																	
Whole Population	5	73 - 80	P 76.5	1.0	110 - 122	P 116.3	1.0	95 - 105	P 100.3	0.6	93 - 103	P 98.3	0.8	68 - 75	P 71.3	0.6	26
<b>Creatinine - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	
Abbott i-STAT CHEM8+	1	3.3 - 4.4	P 3.85	0.1	2.3 - 3.1	P 2.67	0.09	5.6 - 7.6	P 6.61	0.18	4.0 - 5.4	P 4.66	0.12	0.1 - 0.7	C 0.39	0.03	15
Abbott i-STAT CHEM8+, waived	2	3.3 - 4.5	P 3.89	0.07	2.3 - 3.1	P 2.72	0.09	5.7 - 7.7	P 6.66	0.16	4.0 - 5.4	P 4.7	0.13	0.1 - 0.7	C 0.36	0.05	9
<b>Initial Grouping by Sensitivity or Principle</b>																	
All i-STAT non-waived	3	3.3 - 4.4	P 3.86	0.11	2.3 - 3.1	P 2.69	0.1	5.7 - 7.7	P 6.66	0.23	4.0 - 5.4	P 4.69	0.15	0.1 - 0.7	C 0.38	0.04	17
All i-STAT waived	4	3.3 - 4.5	P 3.9	0.07	2.3 - 3.1	P 2.73	0.09	5.7 - 7.7	P 6.7	0.18	4.0 - 5.4	P 4.73	0.14	0 - 0.6	C 0.35	0.05	11
<b>Total Population</b>																	
Whole Population	5	3.3 - 4.5	P 3.88	0.09	2.3 - 3.1	P 2.7	0.09	5.7 - 7.7	P 6.69	0.21	4.0 - 5.4	P 4.71	0.14	0.1 - 0.7	C 0.37	0.05	30
<b>Glucose - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	
Abbott i-STAT CHEM8+	1	168 - 206	P 187.2	0.9	217 - 265	P 241.0	1.6	34 - 46	C 39.8	0.8	175 - 214	P 194.1	1.8	46 - 58	C 52.4	0.5	15
Abbott i-STAT CHEM8+, waived	2	168 - 206	P 187.2	1.5	217 - 266	P 241.5	2.0	33 - 45	C 39.0	0.8	175 - 214	P 194.2	1.2	46 - 58	C 52.3	0.8	10
<b>Initial Grouping by Sensitivity or Principle</b>																	
All i-STAT non-waived	3	168 - 206	P 187.2	0.8	217 - 265	P 241.1	1.5	34 - 46	C 39.7	0.8	175 - 214	P 194.2	1.8	46 - 58	C 52.3	0.5	16
All i-STAT waived	4	168 - 206	P 187.2	1.5	217 - 266	P 241.5	2.0	33 - 45	C 39.0	0.8	175 - 214	P 194.2	1.2	46 - 58	C 52.3	0.8	10
<b>Total Population</b>																	
Whole Population	5	168 - 206	P 187.2	1.1	217 - 265	P 241.2	1.7	34 - 46	C 39.5	0.8	175 - 214	P 194.1	1.7	46 - 58	C 52.4	0.7	27
<b>Ionized Calcium - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	
Abbott i-STAT CHEM8+	1	1.8 - 2.3	C 2.09	0.03	0.4 - 0.9	C 0.6	0.0	2.1 - 2.6	C 2.31	0.06	0.8 - 1.3	C 1.01	0.03	0.3 - 0.8	C 0.59	0.03	14
Abbott i-STAT CHEM8+, waived	2	1.9 - 2.4	C 2.1	0.06	0.4 - 0.9	C 0.6	0.0	2.1 - 2.6	C 2.33	0.05	0.8 - 1.3	C 1.03	0.05	0.3 - 0.8	C 0.58	0.04	9
<b>Initial Grouping by Sensitivity or Principle</b>																	
All i-STAT non-waived	3	1.8 - 2.3	C 2.09	0.02	0.4 - 0.9	C 0.6	0.0	2.1 - 2.6	C 2.31	0.06	0.8 - 1.3	C 1.01	0.03	0.3 - 0.8	C 0.58	0.04	15
All i-STAT waived	4	1.9 - 2.4	C 2.1	0.06	0.4 - 0.9	C 0.6	0.0	2.1 - 2.6	C 2.33	0.05	0.8 - 1.3	C 1.03	0.05	0.3 - 0.8	C 0.58	0.04	9
<b>Total Population</b>																	

Whole Population	5	1.9 - 2.4	C 2.1	0.05	0.4 - 0.9	C 0.6	0.0	2.1 - 2.6	C 2.32	0.06	0.8 - 1.3	C 1.02	0.04	0.3 - 0.8	C 0.58	0.04	26
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### Lactate - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	3.4 - 5.6	P 4.47	0.08	2.4 - 4.0	P 3.19	0.08	3.4 - 5.7	P 4.55	0.07	1.6 - 2.7	P 2.16	0.05	4.4 - 7.3	P 5.85	0.05	8
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	3.4 - 5.6	P 4.47	0.08	2.4 - 4.0	P 3.19	0.08	3.4 - 5.7	P 4.55	0.07	1.6 - 2.7	P 2.16	0.05	4.4 - 7.3	P 5.85	0.05	8
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#### Total Population

Whole Population	3	3.3 - 5.6	P 4.46	0.09	2.4 - 4.0	P 3.19	0.07	3.4 - 5.7	P 4.56	0.08	1.6 - 2.7	P 2.17	0.05	4.4 - 7.3	P 5.85	0.05	10
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### Potassium - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	2.2 - 3.2	C 2.72	0.04	6.1 - 7.1	C 6.59	0.03	2.7 - 3.7	C 3.24	0.05	4.0 - 5.0	C 4.5	0.0	1.5 - 2.5	C 2.04	0.05	15
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Abbott i-STAT CHEM8+, waived	2	2.3 - 3.3	C 2.76	0.05	6.1 - 7.1	C 6.63	0.05	2.7 - 3.7	C 3.23	0.05	4.0 - 5.0	C 4.5	0.0	1.6 - 2.6	C 2.06	0.05	10
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	3	2.2 - 3.2	C 2.72	0.04	6.1 - 7.1	C 6.59	0.03	2.7 - 3.7	C 3.24	0.05	4.0 - 5.0	C 4.5	0.0	1.5 - 2.5	C 2.04	0.05	16
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All i-STAT waived	4	2.3 - 3.3	C 2.76	0.05	6.1 - 7.1	C 6.63	0.04	2.7 - 3.7	C 3.22	0.04	4.0 - 5.0	C 4.5	0.0	1.6 - 2.6	C 2.06	0.05	11
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#### Total Population

Whole Population	5	2.2 - 3.2	C 2.74	0.05	6.1 - 7.1	C 6.6	0.04	2.7 - 3.7	C 3.23	0.05	4.0 - 5.0	C 4.5	0.0	1.5 - 2.6	C 2.05	0.05	28
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### Sodium - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	122 - 130	C 125.6	0.7	164 - 172	C 167.5	0.5	119 - 127	C 122.9	0.5	150 - 158	C 153.9	0.9	109 - 117	C 112.9	0.5	15
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Abbott i-STAT CHEM8+, waived	2	122 - 130	C 125.7	0.5	164 - 172	C 167.9	0.9	119 - 127	C 123.0	0.5	150 - 158	C 154.3	0.5	109 - 117	C 113.1	0.3	10
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	3	122 - 130	C 125.6	0.7	164 - 172	C 167.5	0.5	119 - 127	C 122.9	0.5	150 - 158	C 153.9	0.9	109 - 117	C 112.9	0.5	16
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All i-STAT waived	4	122 - 130	C 125.7	0.5	164 - 172	C 167.9	0.9	119 - 127	C 123.0	0.5	150 - 158	C 154.3	0.5	109 - 117	C 113.1	0.3	10
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#### Total Population

Whole Population	5	122 - 130	C 125.7	0.6	164 - 172	C 167.7	0.7	119 - 127	C 122.9	0.5	150 - 158	C 154.1	0.8	109 - 117	C 113.0	0.4	27
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### Urea Nitrogen (BUN) - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	61 - 73	P 66.8	1.8	43 - 51	P 46.9	1.4	4 - 8	C 6.1	0.3	53 - 63	P 57.9	1.3	6 - 10	C 8.2	0.4	15
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Abbott i-STAT CHEM8+, waived	2	62 - 74	P 68.0	1.7	43 - 52	P 47.6	1.3	5 - 9	C 6.7	0.5	53 - 64	P 58.7	1.1	6 - 10	C 8.4	0.5	9
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	3	61 - 73	P 66.8	1.8	43 - 51	P 46.9	1.4	4 - 8	C 6.1	0.3	53 - 63	P 57.9	1.3	6 - 10	C 8.2	0.4	15
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All i-STAT waived	4	62 - 74	P 68.0	1.7	43 - 52	P 47.6	1.3	5 - 9	C 6.7	0.5	53 - 64	P 58.7	1.1	6 - 10	C 8.4	0.5	9
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#### Total Population

Whole Population	5	61 - 73	P 67.3	1.8	43 - 51	P 47.1	1.4	4 - 8	C 6.3	0.5	53 - 63	P 58.2	1.3	6 - 10	C 8.3	0.5	25
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### pH - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	7.135 - 7.215	C 7.1753	0.0096	7.184 - 7.264	C 7.2237	0.0063	6.919 - 6.999	C 6.959	0.0099	7.243 - 7.323	C 7.2826	0.0038	7.283 - 7.363	C 7.3226	0.0059	18
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	7.135 - 7.215	C 7.1753	0.0096	7.184 - 7.264	C 7.2237	0.0063	6.919 - 6.999	C 6.959	0.0099	7.243 - 7.323	C 7.2826	0.0038	7.283 - 7.363	C 7.3226	0.0059	18
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#### Total Population

Whole Population	3	7.135 - 7.215	C 7.1753	0.0096	7.184 - 7.264	C 7.2237	0.0063	6.919 - 6.999	C 6.959	0.0099	7.243 - 7.323	C 7.2826	0.0038	7.283 - 7.363	C 7.3226	0.0059	18
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### pCO2 - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	55.2 - 65.2	C 60.17	2.78	46.0 - 56.0	C 51.04	1.93	64.1 - 75.3	P 69.69	3.41	40.0 - 50.0	C 44.98	1.17	30.4 - 40.4	C 35.37	1.29	18
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	55.2 - 65.2	C 60.17	2.78	46.0 - 56.0	C 51.04	1.93	64.1 - 75.3	P 69.69	3.41	40.0 - 50.0	C 44.98	1.17	30.4 - 40.4	C 35.37	1.29	18
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#### Total Population

Whole Population	3	55.2 - 65.2	C 60.17	2.78	46.0 - 56.0	C 51.04	1.93	64.1 - 75.3	P 69.69	3.41	40.0 - 50.0	C 44.98	1.17	30.4 - 40.4	C 35.37	1.29	18
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### pO2 - iSTAT

**Initial Grouping by Reagent**

Abbott i-STAT Bld Gas Car	1	65 - 98	S 81.7	5.4	165 - 210	S 187.4	7.5	37 - 79	S 58.3	7.0	136 - 193	S 164.4	9.5	55 - 100	S 77.5	7.5	17
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**Initial Grouping by Sensitivity or Principle**

All i-STAT non-waived	2	65 - 98	S 81.7	5.4	165 - 210	S 187.4	7.5	37 - 79	S 58.3	7.0	136 - 193	S 164.4	9.5	55 - 100	S 77.5	7.5	17
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**Total Population**

Whole Population	3	65 - 97	S 81.4	5.3	165 - 210	S 187.9	7.5	38 - 79	S 58.1	6.8	137 - 193	S 164.9	9.4	56 - 100	S 77.8	7.3	18
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**Hemoglobin - iSTAT****Initial Grouping by Reagent**

Abbott i-STAT CHEM8+	1	6.4 - 7.4	P 6.93	0.15	9.5 - 10.9	P 10.2	0.0	6.3 - 7.3	P 6.8	0.14	10.2 - 11.7	P 10.97	0.12	4.1 - 4.7	P 4.37	0.09	9
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Abbott i-STAT CHEM8+, waived	2	6.3 - 7.3	P 6.8	0.19	9.4 - 10.8	P 10.14	0.22	6.3 - 7.2	P 6.74	0.12	10.1 - 11.7	P 10.9	0.0	4.0 - 4.6	P 4.28	0.15	5
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**Initial Grouping by Sensitivity or Principle**

All i-STAT non-waived	3	6.5 - 7.4	P 6.95	0.15	9.5 - 10.9	P 10.2	0.0	6.3 - 7.3	P 6.8	0.13	10.2 - 11.8	P 10.99	0.14	4.1 - 4.7	P 4.37	0.09	10
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All i-STAT waived	4	6.4 - 7.3	P 6.85	0.21	9.4 - 10.9	P 10.15	0.21	6.3 - 7.2	P 6.75	0.11	10.2 - 11.7	P 10.95	0.11	4.0 - 4.6	P 4.3	0.14	6
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**Total Population**

Whole Population	5	6.4 - 7.4	P 6.91	0.18	9.5 - 10.9	P 10.18	0.13	6.3 - 7.3	P 6.78	0.13	10.2 - 11.7	P 10.98	0.13	4.0 - 4.6	P 4.34	0.12	16
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**Hematocrit - iSTAT****Initial Grouping by Reagent**

Abbott i-STAT CHEM8+	1	19 - 22	P 20.4	0.5	28 - 32	P 30.0	0.0	19 - 21	P 20.0	0.5	30 - 34	P 32.2	0.4	12 - 14	C 12.9	0.3	9
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Abbott i-STAT CHEM8+, waived	2	19 - 21	P 20.0	0.6	28 - 32	P 29.8	0.7	19 - 21	P 19.8	0.4	30 - 34	P 32.0	0.0	12 - 14	C 12.7	0.5	6
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**Initial Grouping by Sensitivity or Principle**

All i-STAT non-waived	3	19 - 22	P 20.5	0.5	28 - 32	P 30.0	0.0	19 - 21	P 20.0	0.4	30 - 34	P 32.3	0.5	12 - 14	C 12.9	0.3	10
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All i-STAT waived	4	19 - 21	P 20.1	0.6	28 - 32	P 29.9	0.6	19 - 21	P 19.9	0.3	30 - 34	P 32.1	0.3	12 - 14	C 12.7	0.5	7
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**Total Population**

Whole Population	5	19 - 22	P 20.4	0.6	28 - 32	P 29.9	0.4	19 - 21	P 19.9	0.4	30 - 34	P 32.2	0.4	12 - 14	C 12.8	0.4	17
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