



## 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+, waived	1	20 - 31	P 25.6	0.9	18 - 27	P 22.6	0.5	19 - 29	P 24.3	0.5	19 - 28	P 23.4	0.5	20 - 31	P 25.6	0.7	7
Abbott i-STAT CHEM8+	2	21 - 32	P 26.3	0.7	17 - 26	P 21.8	0.9	20 - 30	P 24.9	0.7	19 - 28	P 23.6	1.0	21 - 31	P 26.2	0.8	9
<b>Initial Grouping by Sensitivity or Principle</b>																	
All i-STAT waived	3	20 - 31	P 25.6	0.9	18 - 27	P 22.6	0.5	19 - 29	P 24.3	0.5	19 - 28	P 23.4	0.5	20 - 31	P 25.6	0.7	7
All i-STAT non-waived	4	21 - 31	P 25.9	1.0	17 - 26	P 21.5	1.0	20 - 30	P 24.7	0.7	19 - 28	P 23.5	1.0	21 - 31	P 26.0	0.8	12
<b>Total Population</b>																	
Whole Population	5	21 - 31	P 25.8	1.0	18 - 26	P 21.9	1.0	20 - 29	P 24.5	0.7	19 - 28	P 23.5	0.9	21 - 31	P 25.8	0.8	19
<b>Chloride - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	
Nova CCX	1	131 - 145	P 138.0	1.4	102 - 113	P 107.7	2.1	88 - 98	P 93.0	1.4	135 - 149	P 142.3	2.5	129 - 142	P 135.7	3.3	3
Abbott i-STAT CHEM8+, waived	2	103 - 113	P 107.9	0.6	77 - 85	P 81.0	0.0	71 - 79	P 74.9	0.6	111 - 123	P 117.0	0.0	102 - 113	P 107.3	0.7	8
Abbott i-STAT CHEM8+	3	103 - 113	P 107.9	0.5	77 - 85	P 80.9	0.7	71 - 79	P 75.0	0.0	111 - 123	P 116.9	0.6	103 - 113	P 108.0	0.6	10
<b>Initial Grouping by Sensitivity or Principle</b>																	
all ISE	4	131 - 145	P 138.0	1.4	102 - 113	P 107.7	2.1	88 - 98	P 93.0	1.4	135 - 149	P 142.3	2.5	129 - 142	P 135.7	3.3	3
All i-STAT waived	5	103 - 113	P 107.9	0.6	77 - 85	P 81.0	0.0	71 - 79	P 74.9	0.6	111 - 123	P 117.0	0.0	102 - 113	P 107.3	0.7	8
All i-STAT non-waived	6	103 - 113	P 107.9	0.5	77 - 85	P 80.9	0.7	71 - 79	P 75.0	0.0	111 - 123	P 116.9	0.6	103 - 113	P 108.0	0.6	10
<b>Total Population</b>																	
Whole Population	7	105 - 116	P 110.6	13.2	81 - 89	P 84.8	9.4	74 - 81	P 77.6	6.3	113 - 124	P 118.5	13.2	106 - 117	P 111.7	9.9	21
<b>Creatinine - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	
Nova CCX	1	0.5 - 1.1	C 0.77	0.05	1.4 - 2.0	C 1.67	0.05	2.8 - 3.8	P 3.33	0.09	2.1 - 2.8	P 2.43	0.05	0.5 - 1.1	C 0.77	0.05	3
Abbott i-STAT CHEM8+, waived	2	0.5 - 1.1	C 0.8	0.0	1.3 - 1.9	C 1.57	0.05	3.1 - 4.2	P 3.66	0.1	2.2 - 2.9	P 2.53	0.1	0.5 - 1.1	C 0.77	0.05	7
Abbott i-STAT CHEM8+	3	0.4 - 1.0	C 0.74	0.05	1.3 - 1.9	C 1.61	0.05	3.2 - 4.3	P 3.75	0.14	2.2 - 2.9	P 2.53	0.07	0.5 - 1.1	C 0.77	0.05	10
<b>Initial Grouping by Sensitivity or Principle</b>																	
All i-STAT waived	4	0.5 - 1.1	C 0.77	0.04	1.3 - 1.9	C 1.58	0.04	3.1 - 4.2	P 3.69	0.11	2.2 - 2.9	P 2.56	0.11	0.5 - 1.1	C 0.77	0.05	9
all other methods	5	0.5 - 1.1	C 0.77	0.05	1.4 - 2.0	C 1.67	0.05	2.8 - 3.8	P 3.33	0.09	2.1 - 2.8	P 2.43	0.05	0.5 - 1.1	C 0.77	0.05	3
All i-STAT non-waived	6	0.4 - 1.0	C 0.74	0.05	1.3 - 1.9	C 1.61	0.05	3.2 - 4.3	P 3.75	0.14	2.2 - 2.9	P 2.53	0.07	0.5 - 1.1	C 0.77	0.05	10
<b>Total Population</b>																	
Whole Population	7	0.6 - 1.2	C 0.89	0.6	1.3 - 1.9	C 1.61	0.06	3.1 - 4.2	P 3.67	0.18	2.2 - 3.0	P 2.59	0.29	0.5 - 1.1	C 0.77	0.05	23
<b>Glucose - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	
Nova CCX	1	79 - 97	P 88.3	2.9	145 - 177	P 161.0	4.5	193 - 235	P 214.0	4.5	256 - 313	P 284.7	7.9	79 - 97	P 88.0	2.9	3
Abbott i-STAT CHEM8+, waived	2	59 - 72	P 65.4	0.9	111 - 135	P 122.8	0.8	163 - 199	P 181.3	0.8	208 - 254	P 231.0	2.3	59 - 72	P 65.4	0.7	8
Abbott i-STAT CHEM8+	3	59 - 72	P 65.5	1.1	111 - 135	P 122.8	1.5	163 - 199	P 181.2	1.4	205 - 250	P 227.4	15.7	59 - 73	P 66.0	1.2	10
<b>Initial Grouping by Sensitivity or Principle</b>																	
all other	4	79 - 97	P 88.3	2.9	145 - 177	P 161.0	4.5	193 - 235	P 214.0	4.5	256 - 313	P 284.7	7.9	79 - 97	P 88.0	2.9	3
All i-STAT waived	5	59 - 72	P 65.4	0.9	111 - 135	P 122.8	0.8	163 - 199	P 181.3	0.8	208 - 254	P 231.0	2.3	59 - 72	P 65.4	0.7	8
All i-STAT non-waived	6	59 - 72	P 65.5	1.1	111 - 135	P 122.8	1.5	163 - 199	P 181.2	1.4	205 - 250	P 227.4	15.7	59 - 73	P 66.0	1.2	10
<b>Total Population</b>																	
Whole Population	7	67 - 82	P 74.2	25.2	115 - 141	P 128.2	13.5	167 - 204	P 185.9	11.6	213 - 261	P 237.0	22.6	62 - 76	P 68.9	7.9	21
<b>Ionized Calcium - iSTAT</b>																	
<b>Initial Grouping by Reagent</b>																	

Nova CCX	1	0.5 - 1.0	C 0.7	0.0	0.9 - 1.4	C 1.1	0.0	1.6 - 2.1	C 1.83	0.05	0.4 - 0.9	C 0.6	0.0	0.5 - 1.0	C 0.73	0.05	3
Abbott i-STAT CHEM8+, waived	2	0.7 - 1.2	C 0.9	0.05	1.2 - 1.7	C 1.4	0.0	1.9 - 2.4	C 2.1	0.0	0.3 - 0.8	C 0.59	0.03	0.7 - 1.2	C 0.9	0.0	8
Abbott i-STAT CHEM8+	3	0.7 - 1.2	C 0.9	0.0	1.2 - 1.7	C 1.4	0.0	1.9 - 2.4	C 2.1	0.0	0.3 - 0.8	C 0.59	0.03	0.7 - 1.2	C 0.9	0.0	10
<b>Initial Grouping bySensitivityor Principle</b>																	
all other	4	0.5 - 1.0	C 0.7	0.0	0.9 - 1.4	C 1.1	0.0	1.6 - 2.1	C 1.83	0.05	0.4 - 0.9	C 0.6	0.0	0.5 - 1.0	C 0.73	0.05	3
All i-STAT waived	5	0.7 - 1.2	C 0.9	0.05	1.2 - 1.7	C 1.4	0.0	1.9 - 2.4	C 2.1	0.0	0.3 - 0.8	C 0.59	0.03	0.7 - 1.2	C 0.9	0.0	8
All i-STAT non-waived	6	0.7 - 1.2	C 0.9	0.0	1.2 - 1.7	C 1.4	0.0	1.9 - 2.4	C 2.1	0.0	0.3 - 0.8	C 0.59	0.03	0.7 - 1.2	C 0.9	0.0	10
<b>Total Population</b>																	
Whole Population	7	0.7 - 1.2	C 0.93	0.27	1.1 - 1.6	C 1.36	0.1	1.8 - 2.3	C 2.06	0.1	0.4 - 0.9	C 0.68	0.33	0.6 - 1.1	C 0.88	0.07	21

### Ionized Magnesium - iStat

<b>Initial Grouping byReagent</b>																	
Nova CCX	1	0 - 7.8	P 0.3	0.0	0 - 2.6	P 0.1	0.0	0 - 4.33	P 0.167	0.047	0 - 2.6	P 0.1	0.0	0 - 7.8	P 0.3	0.0	3
<b>Initial Grouping bySensitivityor Principle</b>																	
All other	2	0 - 7.8	P 0.3	0.0	0 - 2.6	P 0.1	0.0	0 - 4.33	P 0.167	0.047	0 - 2.6	P 0.1	0.0	0 - 7.8	P 0.3	0.0	3
<b>Total Population</b>																	
Whole Population	3	0 - 7.8	P 0.3	0.0	0 - 2.6	P 0.1	0.0	0 - 4.33	P 0.167	0.047	0 - 2.6	P 0.1	0.0	0 - 7.8	P 0.3	0.0	3

### Lactate - iSTAT

<b>Initial Grouping byReagent</b>																	
Abbott i-STAT Bld Gas Car	1	0.7 - 1.2	P 0.93	0.07	1.1 - 1.8	P 1.47	0.07	3.5 - 5.8	P 4.62	0.09	2.6 - 4.4	P 3.52	0.49	0.7 - 1.2	P 0.93	0.05	6
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT non-waived	2	0.7 - 1.2	P 0.93	0.07	1.1 - 1.8	P 1.47	0.07	3.5 - 5.8	P 4.62	0.09	2.6 - 4.4	P 3.52	0.49	0.7 - 1.2	P 0.93	0.05	6
<b>Total Population</b>																	
Whole Population	3	0.7 - 1.2	P 0.93	0.07	1.1 - 1.8	P 1.47	0.07	3.5 - 5.8	P 4.62	0.09	2.6 - 4.4	P 3.52	0.49	0.7 - 1.2	P 0.93	0.05	6

### Potassium - iSTAT

<b>Initial Grouping byReagent</b>																	
Nova CCX	1	6.1 - 7.1	C 6.57	0.05	3.5 - 4.5	C 4.0	0.0	2.3 - 3.3	C 2.8	0.0	5.9 - 6.9	C 6.43	0.09	6.2 - 7.2	C 6.65	0.05	3
Abbott i-STAT CHEM8+, waived	2	6.3 - 7.3	C 6.8	0.0	3.6 - 4.6	C 4.1	0.0	2.2 - 3.2	C 2.73	0.04	6.1 - 7.1	C 6.6	0.0	6.3 - 7.3	C 6.82	0.04	8
Abbott i-STAT CHEM8+	3	6.3 - 7.3	C 6.84	0.05	3.6 - 4.6	C 4.11	0.03	2.2 - 3.2	C 2.7	0.0	6.1 - 7.1	C 6.59	0.03	6.3 - 7.3	C 6.8	0.0	10
<b>Initial Grouping bySensitivityor Principle</b>																	
all other	4	6.1 - 7.1	C 6.57	0.05	3.5 - 4.5	C 4.0	0.0	2.3 - 3.3	C 2.8	0.0	5.9 - 6.9	C 6.43	0.09	6.2 - 7.2	C 6.65	0.05	3
All i-STAT waived	5	6.3 - 7.3	C 6.8	0.0	3.6 - 4.6	C 4.1	0.0	2.2 - 3.2	C 2.73	0.05	6.1 - 7.1	C 6.59	0.03	6.3 - 7.3	C 6.81	0.05	10
All i-STAT non-waived	6	6.3 - 7.3	C 6.84	0.05	3.6 - 4.6	C 4.11	0.03	2.2 - 3.2	C 2.7	0.0	6.1 - 7.1	C 6.59	0.03	6.3 - 7.3	C 6.8	0.0	10
<b>Total Population</b>																	
Whole Population	7	6.1 - 7.1	C 6.61	0.84	3.6 - 4.6	C 4.1	0.05	2.2 - 3.2	C 2.73	0.05	5.9 - 6.9	C 6.4	0.79	6.3 - 7.3	C 6.78	0.09	23

### Sodium - iSTAT

<b>Initial Grouping byReagent</b>																	
Nova CCX	1	145 - 153	C 149.0	0.8	127 - 135	C 131.3	0.5	115 - 123	C 118.7	0.5	150 - 158	C 154.0	0.0	146 - 154	C 149.7	0.5	3
Abbott i-STAT CHEM8+, waived	2	163 - 171	C 167.0	0.5	141 - 149	C 145.3	0.4	122 - 130	C 126.4	0.5	164 - 172	C 168.3	0.4	163 - 171	C 167.0	0.0	8
Abbott i-STAT CHEM8+	3	163 - 171	C 167.3	0.6	141 - 149	C 144.9	0.7	122 - 130	C 126.3	0.5	164 - 172	C 167.9	0.7	163 - 171	C 167.3	0.9	10
<b>Initial Grouping bySensitivityor Principle</b>																	
All i-STAT waived	4	163 - 171	C 167.0	0.5	141 - 149	C 145.3	0.4	122 - 130	C 126.4	0.5	164 - 172	C 168.3	0.4	163 - 171	C 167.0	0.0	8
All i-STAT non-waived	5	163 - 171	C 167.3	0.6	141 - 149	C 144.9	0.7	122 - 130	C 126.3	0.5	164 - 172	C 167.9	0.7	163 - 171	C 167.3	0.9	10
<b>Total Population</b>																	
Whole Population	6	159 - 167	C 162.7	10.2	139 - 147	C 143.1	4.8	121 - 129	C 125.2	2.7	160 - 168	C 164.0	9.8	161 - 169	C 164.7	6.2	21

### Urea Nitrogen (BUN) - iSTAT

<b>Initial Grouping byReagent</b>																	
Nova CCX	1	11 - 15	C 13.0	0.8	22 - 27	P 24.7	0.9	49 - 59	P 54.3	2.1	30 - 36	P 32.7	1.7	11 - 15	C 13.0	0.8	3
Abbott i-STAT CHEM8+, waived	2	16 - 20	C 17.8	0.4	33 - 40	P 36.6	0.7	61 - 73	P 67.1	1.0	42 - 51	P 46.7	0.5	16 - 20	C 18.0	0.0	7
Abbott i-STAT CHEM8+	3	16 - 20	C 18.2	0.4	33 - 40	P 36.8	1.0	61 - 73	P 67.0	1.1	43 - 51	P 46.7	1.2	16 - 20	C 18.2	0.4	10
<b>Initial Grouping bySensitivityor Principle</b>																	
all other	4	11 - 15	C 13.0	0.8	22 - 27	P 24.7	0.9	49 - 59	P 54.3	2.1	30 - 36	P 32.7	1.7	11 - 15	C 13.0	0.8	3
All i-STAT waived	5	16 - 20	C 17.8	0.4	33 - 40	P 36.6	0.7	61 - 73	P 67.1	1.0	42 - 51	P 46.7	0.5	16 - 20	C 18.0	0.0	7
All i-STAT non-waived	6	16 - 20	C 18.2	0.4	33 - 40	P 36.8	1.0	61 - 73	P 67.0	1.1	43 - 51	P 46.7	1.2	16 - 20	C 18.2	0.4	10
<b>Total Population</b>																	
Whole Population	7	18 - 22	C 19.8	11.0	32 - 38	P 34.9	4.4	59 - 71	P 65.2	4.7	41 - 50	P 45.6	7.1	15 - 19	C 17.4	1.9	20

## pH - iSTAT

### Initial Grouping by Reagent

Nova CCX	1	7.479 - 7.559	C 7.5193	0.0039	7.451 - 7.531	C 7.4907	0.0046	7.163 - 7.243	C 7.2033	0.0125	7.241 - 7.321	C 7.281	0.0166	7.481 - 7.561	C 7.5207	0.0059	3
Abbott i-STAT Bld Gas Car	2	7.495 - 7.575	C 7.5345	0.0052	7.463 - 7.543	C 7.5027	0.005	7.145 - 7.225	C 7.1851	0.0057	7.193 - 7.273	C 7.2331	0.0261	7.494 - 7.574	C 7.5343	0.0074	11

### Initial Grouping by Sensitivity or Principle

all other	3	7.479 - 7.559	C 7.5193	0.0039	7.451 - 7.531	C 7.4907	0.0046	7.163 - 7.243	C 7.2033	0.0125	7.241 - 7.321	C 7.281	0.0166	7.481 - 7.561	C 7.5207	0.0059	3
All i-STAT non-waived	4	7.495 - 7.575	C 7.5345	0.0052	7.463 - 7.543	C 7.5027	0.005	7.145 - 7.225	C 7.1851	0.0057	7.193 - 7.273	C 7.2331	0.0261	7.494 - 7.574	C 7.5343	0.0074	11

### Total Population

Whole Population	5	7.491 - 7.571	C 7.5312	0.0079	7.46 - 7.54	C 7.5001	0.007	7.149 - 7.229	C 7.189	0.0107	7.203 - 7.283	C 7.2434	0.0313	7.491 - 7.571	C 7.5314	0.0091	14
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## pCO2 - iSTAT

### Initial Grouping by Reagent

Nova CCX	1	29.6 - 39.6	C 34.6	0.78	25.3 - 35.3	C 30.27	0.12	57.1 - 67.1	C 62.13	1.01	45.8 - 55.8	C 50.77	1.32	29.9 - 39.9	C 34.93	0.38	3
Abbott i-STAT Bld Gas Car	2	24.0 - 34.0	C 28.98	1.49	20.9 - 30.9	C 25.91	1.16	54.7 - 64.7	C 59.69	1.98	45.5 - 55.5	C 50.46	4.57	24.1 - 34.1	C 29.05	1.86	11

### Initial Grouping by Sensitivity or Principle

all other	3	29.6 - 39.6	C 34.6	0.78	25.3 - 35.3	C 30.27	0.12	57.1 - 67.1	C 62.13	1.01	45.8 - 55.8	C 50.77	1.32	29.9 - 39.9	C 34.93	0.38	3
All i-STAT non-waived	4	24.0 - 34.0	C 28.98	1.49	20.9 - 30.9	C 25.91	1.16	54.7 - 64.7	C 59.69	1.98	45.5 - 55.5	C 50.46	4.57	24.1 - 34.1	C 29.05	1.86	11

### Total Population

Whole Population	5	25.2 - 35.2	C 30.19	2.68	21.8 - 31.8	C 26.84	2.07	55.2 - 65.2	C 60.21	2.07	45.5 - 55.5	C 50.53	4.1	25.3 - 35.3	C 30.31	2.93	14
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## pO2 - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT Bld Gas Car	1	93 - 120	S 106.7	4.4	122 - 149	S 135.2	4.5	61 - 91	S 75.8	4.9	81 - 253	S 166.9	28.7	92 - 116	S 103.8	4.0	11
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### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	93 - 120	S 106.7	4.4	122 - 149	S 135.2	4.5	61 - 91	S 75.8	4.9	81 - 253	S 166.9	28.7	92 - 116	S 103.8	4.0	11
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### Total Population

Whole Population	3	93 - 120	S 106.7	4.4	122 - 149	S 135.2	4.5	61 - 91	S 75.8	4.9	81 - 253	S 166.9	28.7	92 - 116	S 103.8	4.0	11
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## Hemoglobin - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	11.8 - 13.5	P 12.64	0.08	11.2 - 12.9	P 12.02	0.15	6.6 - 7.6	P 7.1	0.0	9.5 - 10.9	P 10.2	0.0	11.7 - 13.5	P 12.6	0.0	5
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### Initial Grouping by Sensitivity or Principle

All i-STAT waived	2	11.9 - 13.7	P 12.8	0.14	11.2 - 12.9	P 12.05	0.15	6.6 - 7.6	P 7.1	0.0	9.5 - 10.9	P 10.2	0.0	11.7 - 13.5	P 12.6	0.0	4
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All i-STAT non-waived	3	11.8 - 13.5	P 12.64	0.08	11.2 - 12.9	P 12.02	0.15	6.6 - 7.6	P 7.1	0.0	9.5 - 10.9	P 10.2	0.0	11.7 - 13.5	P 12.6	0.0	5
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### Total Population

Whole Population	4	11.2 - 12.9	P 12.08	1.76	11.2 - 12.9	P 12.03	0.15	6.6 - 7.6	P 7.07	0.09	9.2 - 10.5	P 9.86	0.97	11.7 - 13.5	P 12.63	0.09	9
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## Hematocrit - iSTAT

### Initial Grouping by Reagent

Abbott i-STAT CHEM8+	1	35 - 39	P 37.2	0.4	33 - 38	P 35.4	0.5	20 - 22	P 21.0	0.0	28 - 32	P 30.0	0.0	35 - 39	P 37.0	0.0	5
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### Initial Grouping by Sensitivity or Principle

All i-STAT waived	2	35 - 40	P 37.7	0.5	33 - 38	P 35.5	0.5	20 - 22	P 21.0	0.0	28 - 32	P 30.0	0.0	35 - 39	P 37.0	0.0	4
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All i-STAT non-waived	3	35 - 39	P 37.2	0.4	33 - 38	P 35.4	0.5	20 - 22	P 21.0	0.0	28 - 32	P 30.0	0.0	35 - 39	P 37.0	0.0	5
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### Total Population

Whole Population	4	33 - 38	P 35.6	5.2	33 - 38	P 35.4	0.5	20 - 22	P 20.9	0.3	27 - 31	P 29.0	2.8	35 - 39	P 37.1	0.3	9
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