



## 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	23.0 - 35.0 P	28.8	1.1	14.0 - 22.0 C	18.2	0.6	10.0 - 18.0 C	13.5	1.2	17.0 - 25.0 P	21.0	0.7	38.0 - 57.0 P	47.7	1.6	22					
Abbott i-STAT CHEM8+	2	23.0 - 35.0 P	28.8	1.0	14.0 - 22.0 C	18.4	0.6	10.0 - 18.0 C	14.1	0.8	17.0 - 25.0 P	20.9	0.7	38.0 - 58.0 P	48.1	1.6	17					
<b>Initial Grouping by Sensitivity or Principle</b>																						
All i-STAT waived	3	23.0 - 35.0 P	28.8	1.1	14.0 - 22.0 C	18.2	0.6	10.0 - 18.0 C	13.5	1.2	17.0 - 25.0 P	21.0	0.7	38.0 - 57.0 P	47.7	1.6	22					
All i-STAT non-waived	4	23.0 - 35.0 P	29.3	1.6	15.0 - 23.0 C	18.6	1.0	10.0 - 18.0 C	13.8	1.4	17.0 - 25.0 P	21.2	1.1	38.0 - 57.0 P	47.8	2.1	24					
<b>Total Population</b>																						
Whole Population	5	23.0 - 35.0 P	29.0	1.4	14.0 - 22.0 C	18.4	0.8	10.0 - 18.0 C	13.7	1.3	17.0 - 25.0 P	21.1	0.9	38.0 - 57.0 P	47.7	1.9	47					
<b>Chloride - iSTAT</b>																						
<b>Initial Grouping by Reagent</b>																						
Abbott i-STAT CHEM8+, waived	1	112.0 - 124.0 P	117.7	2.4	80.0 - 88.0 P	84.0	1.2	76.0 - 83.0 P	79.5	1.0	88.0 - 97.0 P	92.6	1.7	114.0 - 126.0 P	120.0	2.8	22					
Abbott i-STAT CHEM8+	2	112.0 - 124.0 P	117.7	2.8	80.0 - 89.0 P	84.3	1.3	75.0 - 83.0 P	79.4	1.3	88.0 - 97.0 P	92.4	1.4	115.0 - 127.0 P	120.7	2.9	17					
<b>Initial Grouping by Sensitivity or Principle</b>																						
All i-STAT waived	3	112.0 - 123.0 P	117.6	2.2	80.0 - 88.0 P	84.0	1.1	76.0 - 84.0 P	79.6	1.1	88.0 - 97.0 P	92.5	1.6	114.0 - 126.0 P	120.2	2.8	26					
All i-STAT non-waived	4	112.0 - 124.0 P	117.8	2.4	80.0 - 89.0 P	84.5	1.4	76.0 - 84.0 P	79.6	1.3	88.0 - 97.0 P	92.7	1.3	115.0 - 127.0 P	120.6	2.5	25					
<b>Total Population</b>																						
Whole Population	5	112.0 - 124.0 P	117.7	2.3	80.0 - 88.0 P	84.3	1.3	76.0 - 84.0 P	79.6	1.2	88.0 - 97.0 P	92.6	1.4	114.0 - 126.0 P	120.4	2.6	51					
<b>Creatinine - iSTAT</b>																						
<b>Initial Grouping by Reagent</b>																						
Abbott i-STAT CHEM8+, waived	1	0.5 - 1.1 C	0.84	0.06	3.3 - 4.5 P	3.91	0.16	0.3 - 0.9 C	0.60	0.09	2.4 - 3.2 P	2.80	0.08	0.2 - 0.8 C	0.50	0.06	22					
Abbott i-STAT CHEM8+	2	0.5 - 1.1 C	0.82	0.05	3.4 - 4.6 P	3.98	0.16	0.3 - 0.9 C	0.60	0.05	2.4 - 3.3 P	2.87	0.11	0.2 - 0.8 C	0.51	0.04	17					
<b>Initial Grouping by Sensitivity or Principle</b>																						

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		
All i-STAT waived	3	0.5 - 1.1	C	0.84	0.06	3.3 - 4.5	P	3.87	0.18	0.3 - 0.9	C	0.58	0.09	2.4 - 3.2	P	2.78	0.09	0.2 - 0.8	C	0.51	0.06	30
All i-STAT non-waived	4	0.5 - 1.1	C	0.82	0.05	3.3 - 4.5	P	3.94	0.18	0.3 - 0.9	C	0.56	0.10	2.4 - 3.3	P	2.84	0.12	0.2 - 0.8	C	0.51	0.05	25
<b>Total Population</b>																						
Whole Population	5	0.5 - 1.1	C	0.83	0.05	3.3 - 4.5	P	3.90	0.18	0.3 - 0.9	C	0.57	0.08	2.4 - 3.2	P	2.81	0.11	0.2 - 0.8	C	0.51	0.06	56

### Glucose - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	53.0 - 65.0	C	59.5	1.6	289.0 - 353.0	P	321.3	2.4	627.0 - 767.0	P	696.9	6.1	182.0 - 222.0	P	201.8	2.2	19.0 - 31.0	C	25.3	1.1	23
Abbott i-STAT CHEM8+	2	53.0 - 65.0	C	59.4	1.3	289.0 - 353.0	P	320.9	3.0	629.0 - 769.0	P	699.4	1.5	181.0 - 222.0	P	201.5	2.6	19.0 - 31.0	C	25.3	0.7	17

#### Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	52.0 - 64.0	C	58.2	9.7	289.0 - 353.0	P	321.2	2.6	624.0 - 762.0	P	693.0	14.6	182.0 - 223.0	P	202.5	2.7	20.0 - 32.0	C	25.6	1.3	27
All i-STAT non-waived	4	55.0 - 68.0	P	61.4	3.2	289.0 - 353.0	P	321.0	3.4	627.0 - 766.0	P	696.3	10.3	183.0 - 224.0	P	203.9	4.4	20.0 - 32.0	C	26.3	1.6	27

#### Total Population

Whole Population	5	55.0 - 67.0	P	60.7	2.8	289.0 - 353.0	P	321.1	3.0	625.0 - 764.0	P	694.7	12.6	183.0 - 223.0	P	203.2	3.6	20.0 - 32.0	C	25.9	1.5	54
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### Ionized Calcium - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waive	1	0.6 - 1.0	C	0.80	0.00	1.1 - 1.6	C	1.39	0.03	2.0 - 2.5	C	2.26	0.05	1.0 - 1.4	C	1.20	0.00	0.2 - 0.8	C	0.50	0.00	20
Abbott i-STAT CHEM8+	2	0.6 - 1.0	C	0.80	0.00	1.1 - 1.6	C	1.36	0.08	2.0 - 2.5	C	2.26	0.05	1.0 - 1.4	C	1.20	0.00	0.2 - 0.8	C	0.50	0.00	11

#### Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	-				1.1 - 1.6	C	1.39	0.02	2.0 - 2.5	C	2.26	0.05	-				-				20
All i-STAT non-waived	4	0.6 - 1.0	C	0.80	0.00	1.1 - 1.6	C	1.37	0.08	2.0 - 2.5	C	2.26	0.05	1.0 - 1.4	C	1.20	0.00	0.2 - 0.8	C	0.50	0.00	13

#### Total Population

Whole Population	5	0.6 - 1.0	C	0.80	0.00	1.1 - 1.6	C	1.38	0.05	2.0 - 2.5	C	2.26	0.05	1.0 - 1.4	C	1.20	0.00	0.2 - 0.8	C	0.50	0.00	34
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### Lactate - iSTAT

Whole Population	1	1.0 - 1.6	P	1.32	0.29	6.6 - 11.1	P	8.85	0.19	14.0 - 23.4	P	18.73	0.33	4.8 - 8.0	P	6.43	0.20	0.6 - 1.0	P	0.77	0.08	7
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### Potassium - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	4.8 - 5.8	C	5.30	0.07	2.2 - 3.2	C	2.70	0.00	1.8 - 2.8	C	2.30	0.00	2.7 - 3.7	C	3.20	0.00	6.4 - 7.4	C	6.90	0.09	23
Abbott i-STAT CHEM8+	2	4.8 - 5.8	C	5.31	0.06	2.2 - 3.2	C	2.70	0.00	1.8 - 2.8	C	2.30	0.00	2.7 - 3.7	C	3.20	0.00	6.4 - 7.4	C	6.87	0.09	17

#### Initial Grouping by Sensitivity or Principle

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		
All i-STAT waived	3	4.8 - 5.8	C	5.31	0.07	2.2 - 3.2	C	2.70	0.00	1.8 - 2.8	C	2.30	0.00	2.7 - 3.7	C	3.20	0.00	6.4 - 7.4	C	6.90	0.08	31
All i-STAT non-waived	4	4.8 - 5.8	C	5.30	0.07	2.2 - 3.2	C	2.68	0.06	1.8 - 2.8	C	2.30	0.00	2.7 - 3.7	C	3.20	0.02	6.4 - 7.4	C	6.88	0.08	27
<b>Total Population</b>																						
Whole Population	5	4.8 - 5.8	C	5.31	0.07	2.2 - 3.2	C	2.69	0.03	1.8 - 2.8	C	2.30	0.00	2.7 - 3.7	C	3.20	0.01	6.4 - 7.4	C	6.89	0.08	58

### Sodium - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	145.0 - 153.0	C	148.7	1.7	114.0 - 122.0	C	118.3	0.8	102.0 - 110.0	C	105.6	0.6	129.0 - 137.0	C	133.1	1.0	162.0 - 170.0	C	165.7	2.3	22
Abbott i-STAT CHEM8+	2	145.0 - 153.0	C	148.9	1.7	114.0 - 122.0	C	118.2	0.8	102.0 - 110.0	C	105.7	0.7	129.0 - 137.0	C	133.4	1.0	161.0 - 169.0	C	165.1	1.9	17

#### Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	145.0 - 153.0	C	149.0	1.7	114.0 - 122.0	C	118.5	0.9	102.0 - 110.0	C	105.8	0.7	129.0 - 137.0	C	133.4	1.1	162.0 - 170.0	C	165.8	2.0	28
All i-STAT non-waived	4	145.0 - 153.0	C	149.2	1.5	114.0 - 122.0	C	118.4	0.8	102.0 - 110.0	C	105.9	0.7	130.0 - 138.0	C	133.7	1.0	162.0 - 170.0	C	165.5	1.9	27

#### Total Population

Whole Population	5	145.0 - 153.0	C	149.1	1.6	114.0 - 122.0	C	118.4	0.8	102.0 - 110.0	C	105.8	0.7	130.0 - 138.0	C	133.5	1.0	162.0 - 170.0	C	165.6	1.9	55
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### Urea Nitrogen (BUN) - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	8.0 - 12.0	C	10.5	0.5	60.0 - 72.0	P	65.8	1.8	124.0 - 149.0	P	136.7	2.9	29.0 - 35.0	P	32.0	1.0	6.0 - 10.0	C	8.3	0.6	22
Abbott i-STAT CHEM8+	2	8.0 - 12.0	C	10.2	0.9	60.0 - 72.0	P	65.7	1.9	124.0 - 149.0	P	136.4	3.0	29.0 - 35.0	P	32.1	0.7	6.0 - 10.0	C	8.4	0.7	17

#### Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	10.0 - 14.0	C	12.4	10.3	60.0 - 72.0	P	65.8	1.9	125.0 - 149.0	P	136.8	2.8	29.0 - 35.0	P	32.0	0.9	6.0 - 10.0	C	8.3	0.6	26
All i-STAT non-waived	4	8.0 - 12.0	C	10.2	0.8	59.0 - 71.0	P	65.1	2.0	124.0 - 148.0	P	136.0	3.1	29.0 - 35.0	P	32.0	0.9	6.0 - 10.0	C	8.3	0.6	25

#### Total Population

Whole Population	5	8.0 - 12.0	C	10.3	0.6	60.0 - 71.0	P	65.5	2.0	124.0 - 149.0	P	136.4	2.9	29.0 - 35.0	P	32.0	0.9	6.0 - 10.0	C	8.3	0.6	51
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### pH - iSTAT

#### Initial Grouping by Method

Abbott i-STAT Blood Gas Car	1	7.575 - 7.655	C	7.6153	0.0083	6.961 - 7.041	C	7.0013	0.0118	6.57 - 6.65	C	6.6100	0.0112	7.221 - 7.301	C	7.2615	0.0075	7.837 - 7.917	C	7.8767	0.0093	16
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	7.575 - 7.655	C	7.6153	0.0083	6.961 - 7.041	C	7.0013	0.0118	6.57 - 6.65	C	6.6100	0.0112	7.221 - 7.301	C	7.2615	0.0075	7.835 - 7.915	C	7.8749	0.0063	16
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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>Total Population</b>																						
Whole Population	3	7.575 - 7.655	C	7.6153	0.0083	6.961 - 7.041	C	7.0013	0.0118	6.57 - 6.65	C	6.6100	0.0112	7.221 - 7.301	C	7.2615	0.0075	7.835 - 7.915	C	7.8749	0.0063	16

### pCO2 - iSTAT

#### Initial Grouping by Method

Abbott i-STAT Blood Gas Car	1	21.7 - 31.7	C	26.74	0.81	60.8 - 71.4	P	66.10	2.98	97.8 - 114.8	P	106.32	7.46	39.3 - 49.3	C	44.33	1.12	18.8 - 28.8	C	23.83	0.68	16
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	21.7 - 31.7	C	26.74	0.81	60.8 - 71.4	P	66.10	2.98	97.8 - 114.8	P	106.32	7.46	39.3 - 49.3	C	44.33	1.12	18.8 - 28.8	C	23.83	0.68	16
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#### Total Population

Whole Population	3	21.7 - 31.7	C	26.74	0.81	60.8 - 71.4	P	66.10	2.98	97.8 - 114.8	P	106.32	7.46	39.3 - 49.3	C	44.33	1.12	18.8 - 28.8	C	23.83	0.68	16
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### pO2 - iSTAT

#### Initial Grouping by Method

Abbott i-STAT Blood Gas Car	1	99.0 - 127.0	S	113.1	4.8	40.0 - 92.0	S	65.9	8.8	31.0 - 93.0	S	61.7	10.4	69.0 - 98.0	S	83.6	4.9	215.0 - 288.0	S	251.2	12.2	16
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#### Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	99.0 - 127.0	S	113.1	4.8	40.0 - 92.0	S	65.9	8.8	31.0 - 93.0	S	61.7	10.4	69.0 - 98.0	S	83.6	4.9	215.0 - 288.0	S	251.2	12.2	16
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#### Total Population

Whole Population	3	99.0 - 127.0	S	113.1	4.8	40.0 - 92.0	S	65.9	8.8	31.0 - 93.0	S	61.7	10.4	69.0 - 98.0	S	83.6	4.9	215.0 - 288.0	S	251.2	12.2	16
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### Hemoglobin - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	15.1 - 17.4	P	16.23	0.21	5.4 - 6.2	P	5.80	0.29	3.6 - 4.1	P	3.87	0.25	9.9 - 11.4	P	10.65	0.20	18.9 - 21.7	P	20.28	0.26	11
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#### Initial Grouping by Sensitivity or Principle

All i-STAT waived	2	15.0 - 17.3	P	16.15	0.26	5.4 - 6.2	P	5.77	0.28	3.6 - 4.2	P	3.92	0.24	9.9 - 11.3	P	10.59	0.22	18.8 - 21.6	P	20.21	0.28	14
All i-STAT non-waived	3	15.0 - 17.2	P	16.08	0.34	5.4 - 6.2	P	5.84	0.20	3.8 - 4.3	P	4.05	0.20	9.8 - 11.3	P	10.53	0.33	18.7 - 21.5	P	20.10	0.26	11

#### Total Population

Whole Population	4	15.0 - 17.3	P	16.13	0.29	5.4 - 6.2	P	5.80	0.24	3.7 - 4.3	P	3.98	0.22	9.8 - 11.3	P	10.56	0.26	18.7 - 21.6	P	20.15	0.28	26
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### Hematocrit - iSTAT

#### Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	45.0 - 51.0	P	47.7	0.6	16.0 - 18.0	P	17.1	0.8	10.0 - 12.0	C	11.5	0.7	29.0 - 33.0	P	31.4	0.5	56.0 - 63.0	P	59.6	0.8	11
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#### Initial Grouping by Sensitivity or Principle

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		
All i-STAT waived	2	45.0 - 50.0 P	47.5	0.8		16.0 - 18.0 P	17.0	0.8		11.0 - 13.0 C	11.6	0.6		29.0 - 33.0 P	31.2	0.6		56.0 - 63.0 P	59.4	0.9		14
All i-STAT non-waived	3	45.0 - 50.0 P	47.4	1.0		16.0 - 18.0 P	17.1	0.6		11.0 - 13.0 C	11.8	0.6		29.0 - 33.0 P	31.1	0.9		56.0 - 63.0 P	59.2	0.8		11
<b>Total Population</b>																						
Whole Population	4	45.0 - 50.0 P	47.5	0.8		16.0 - 18.0 P	17.0	0.7		11.0 - 13.0 C	11.7	0.6		29.0 - 33.0 P	31.2	0.7		56.0 - 63.0 P	59.3	0.8		26