



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		
Bicarbonate (Total CO2) - iSTAT																						
Initial Grouping by Reagent																						
Abbott i-STAT CHEM8+, waived	1	14.0 - 22.0 C	18.3	0.6	17.0 - 26.0 P	21.2	0.4	19.0 - 29.0 P	23.8	0.7	29.0 - 43.0 P	35.9	1.1	37.0 - 55.0 P	45.6	1.9	17					
Abbott i-STAT CHEM8+	2	14.0 - 22.0 C	18.5	0.7	17.0 - 26.0 P	21.4	0.5	19.0 - 29.0 P	24.1	0.5	29.0 - 44.0 P	36.3	1.4	36.0 - 54.0 P	45.2	2.1	18					
Initial Grouping by Sensitivity or Principle																						
All i-STAT waived	3	14.0 - 22.0 C	18.3	0.6	17.0 - 26.0 P	21.2	0.4	19.0 - 29.0 P	23.8	0.7	29.0 - 43.0 P	35.9	1.1	37.0 - 55.0 P	45.6	1.9	17					
All i-STAT non-waived	4	15.0 - 23.0 C	18.6	0.8	17.0 - 26.0 P	21.6	0.6	20.0 - 29.0 P	24.4	0.8	30.0 - 45.0 P	37.1	2.0	36.0 - 55.0 P	45.6	2.3	25					
Total Population																						
Whole Population	5	14.0 - 22.0 C	18.4	0.7	17.0 - 26.0 P	21.5	0.6	19.0 - 29.0 P	24.1	0.8	29.0 - 44.0 P	36.6	1.8	36.0 - 55.0 P	45.6	2.1	43					
Chloride - iSTAT																						
Initial Grouping by Reagent																						
Abbott i-STAT CHEM8+, waived	1	80.0 - 88.0 P	84.2	0.9	88.0 - 97.0 P	92.4	1.5	97.0 - 107.0 P	101.6	1.8	117.0 - 129.0 P	123.1	3.9	113.0 - 125.0 P	119.2	1.8	17					
Abbott i-STAT CHEM8+	2	80.0 - 88.0 P	84.2	0.9	88.0 - 97.0 P	92.3	1.0	96.0 - 106.0 P	101.4	1.3	117.0 - 129.0 P	122.7	1.5	114.0 - 126.0 P	119.8	2.1	18					
Initial Grouping by Sensitivity or Principle																						
All i-STAT waived	3	80.0 - 89.0 P	84.4	0.9	88.0 - 97.0 P	92.6	1.7	96.0 - 107.0 P	101.5	1.7	116.0 - 129.0 P	122.6	3.7	113.0 - 125.0 P	119.0	1.8	21					
All i-STAT non-waived	4	80.0 - 88.0 P	84.1	0.9	89.0 - 98.0 P	93.4	6.5	96.0 - 106.0 P	100.9	1.9	115.0 - 127.0 P	120.9	7.0	112.0 - 124.0 P	118.4	2.9	29					
Total Population																						
Whole Population	5	80.0 - 88.0 P	84.2	0.9	88.0 - 97.0 P	92.3	1.3	96.0 - 106.0 P	101.2	1.8	116.0 - 128.0 P	121.6	5.8	113.0 - 125.0 P	118.6	2.5	50					
Creatinine - iSTAT																						
Initial Grouping by Reagent																						
Abbott i-STAT CHEM8+, waived	1	3.3 - 4.5 P	3.87	0.23	2.3 - 3.2 P	2.76	0.15	1.6 - 2.2 C	1.92	0.10	0.0 - 0.6 C	0.29	0.06	16.0 - 21.6 P	18.78	1.42	18					
Abbott i-STAT CHEM8+	2	3.2 - 4.4 P	3.82	0.21	2.4 - 3.2 P	2.78	0.12	1.6 - 2.2 C	1.90	0.08	0.0 - 0.6 C	0.28	0.08	16.2 - 21.9 P	19.07	1.08	18					
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	3.2 - 4.4	P	3.79	0.24	2.3 - 3.1	P	2.69	0.17	1.6 - 2.2	C	1.88	0.11	0.0 - 0.6	C	0.30	0.09	15.5 - 21.0	P	18.28	1.53	26
All i-STAT non-waived	4	3.2 - 4.4	P	3.82	0.19	2.3 - 3.1	P	2.73	0.13	1.6 - 2.2	C	1.89	0.07	0.0 - 0.6	C	0.28	0.07	16.0 - 21.6	P	18.80	1.04	27
Total Population																						
Whole Population	5	3.2 - 4.4	P	3.80	0.21	2.3 - 3.1	P	2.71	0.15	1.6 - 2.2	C	1.89	0.09	0.0 - 0.6	C	0.27	0.05	15.8 - 21.3	P	18.55	1.31	54

Glucose - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	287.0 - 351.0	P	319.3	3.5	179.0 - 218.0	P	198.6	3.3	126.0 - 154.0	P	139.9	2.8	37.0 - 49.0	C	43.2	1.6	25.0 - 37.0	C	31.4	1.7	18
Abbott i-STAT CHEM8+	2	287.0 - 351.0	P	318.7	4.3	180.0 - 219.0	P	199.5	3.7	127.0 - 155.0	P	140.7	2.8	38.0 - 50.0	C	43.8	1.6	26.0 - 38.0	C	32.0	1.8	18

Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	287.0 - 351.0	P	318.7	3.6	180.0 - 220.0	P	199.9	4.1	127.0 - 156.0	P	141.5	4.3	38.0 - 50.0	C	44.2	2.6	27.0 - 39.0	C	32.6	3.1	22
All i-STAT non-waived	4	281.0 - 343.0	P	311.7	28.8	186.0 - 227.0	P	206.6	31.9	131.0 - 160.0	P	145.9	15.9	44.0 - 56.0	C	50.3	26.8	28.0 - 40.0	C	34.5	4.4	31

Total Population

Whole Population	5	286.0 - 349.0	P	317.6	4.6	180.0 - 221.0	P	200.5	4.0	128.0 - 157.0	P	142.4	4.5	39.0 - 51.0	C	45.0	2.8	27.0 - 39.0	C	33.4	3.2	53
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Ionized Calcium - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waive	1	1.1 - 1.6	C	1.39	0.04	1.0 - 1.4	C	1.20	0.00	0.9 - 1.4	C	1.15	0.05	0.4 - 0.9	C	0.67	0.05	0.4 - 0.8	C	0.60	0.00	15
Abbott i-STAT CHEM8+	2	1.2 - 1.6	C	1.40	0.00	1.0 - 1.4	C	1.20	0.00	0.9 - 1.4	C	1.15	0.05	0.4 - 1.0	C	0.70	0.00	0.4 - 0.8	C	0.60	0.00	11

Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	1.1 - 1.6	C	1.39	0.04	-	-	-	-	0.9 - 1.4	C	1.15	0.05	0.4 - 0.9	C	0.67	0.05	-	-	-	-	15
All i-STAT non-waived	4	1.2 - 1.6	C	1.40	0.00	1.0 - 1.4	C	1.20	0.00	0.9 - 1.4	C	1.15	0.05	0.4 - 1.0	C	0.70	0.00	0.4 - 0.8	C	0.60	0.00	14

Total Population

Whole Population	5	1.1 - 1.6	C	1.39	0.03	1.0 - 1.4	C	1.20	0.00	0.9 - 1.4	C	1.15	0.05	0.4 - 0.9	C	0.68	0.04	0.4 - 0.8	C	0.60	0.00	29
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Lactate - iSTAT

Whole Population	1	6.6 - 11.0	P	8.80	0.29	4.8 - 8.1	P	6.45	0.47	1.9 - 3.2	P	2.52	0.26	0.7 - 1.1	P	0.88	0.21	0.3 - 0.5	P	0.43	0.06	4
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Potassium - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	2.2 - 3.2	C	2.70	0.00	2.7 - 3.7	C	3.22	0.05	3.1 - 4.1	C	3.60	0.00	5.6 - 6.6	C	6.14	0.09	7.0 - 8.0	C	7.47	0.09	18
Abbott i-STAT CHEM8+	2	2.2 - 3.2	C	2.70	0.00	2.7 - 3.7	C	3.22	0.04	3.1 - 4.1	C	3.60	0.00	5.6 - 6.6	C	6.14	0.05	7.0 - 8.0	C	7.49	0.06	18

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	2.2 - 3.2	C	2.70	0.00	2.7 - 3.7	C	3.21	0.06	3.1 - 4.1	C	3.59	0.03	5.6 - 6.6	C	6.14	0.08	6.9 - 7.9	C	7.44	0.09	26
All i-STAT non-waived	4	2.2 - 3.2	C	2.68	0.06	2.8 - 3.8	C	3.31	0.52	3.1 - 4.1	C	3.65	0.17	5.6 - 6.6	C	6.05	0.42	7.0 - 8.0	C	7.47	0.18	31
Total Population																						
Whole Population	5	2.2 - 3.2	C	2.69	0.04	2.7 - 3.7	C	3.21	0.05	3.1 - 4.1	C	3.61	0.10	5.6 - 6.6	C	6.13	0.07	7.0 - 8.0	C	7.46	0.15	57

Sodium - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	114.0 - 122.0	C	118.5	0.7	129.0 - 137.0	C	133.4	0.9	131.0 - 139.0	C	134.7	1.2	157.0 - 165.0	C	160.7	3.3	168.0 - 176.0	C	171.8	1.7	17
Abbott i-STAT CHEM8+	2	114.0 - 122.0	C	118.5	0.7	130.0 - 138.0	C	133.5	0.8	131.0 - 139.0	C	134.7	0.8	156.0 - 164.0	C	160.2	1.2	168.0 - 176.0	C	171.8	1.2	18

Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	115.0 - 123.0	C	118.5	0.7	129.0 - 137.0	C	133.4	1.0	131.0 - 139.0	C	134.7	1.1	157.0 - 165.0	C	160.5	2.9	167.0 - 175.0	C	171.3	1.9	23
All i-STAT non-waived	4	115.0 - 123.0	C	118.5	0.6	130.0 - 138.0	C	133.5	0.8	131.0 - 139.0	C	134.6	0.9	156.0 - 164.0	C	160.2	1.3	168.0 - 176.0	C	171.9	1.2	30

Total Population

Whole Population	5	115.0 - 123.0	C	118.6	0.7	130.0 - 138.0	C	133.8	2.8	131.0 - 139.0	C	134.7	1.0	156.0 - 164.0	C	159.8	4.7	167.0 - 175.0	C	171.3	2.9	54
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Urea Nitrogen (BUN) - iSTAT

Initial Grouping by Reagent

Abbott i-STAT CHEM8+, waived	1	58.0 - 69.0	P	63.3	1.7	28.0 - 33.0	P	30.6	1.2	10.0 - 14.0	C	11.9	0.4	8.0 - 12.0	C	9.8	0.8	3.0 - 7.0	C	4.9	0.7	17
Abbott i-STAT CHEM8+	2	57.0 - 69.0	P	62.9	1.6	28.0 - 34.0	P	31.0	0.7	10.0 - 14.0	C	12.0	0.0	8.0 - 12.0	C	9.7	0.5	3.0 - 7.0	C	4.8	0.4	18

Initial Grouping by Sensitivity or Principle

All i-STAT waived	3	57.0 - 69.0	P	63.1	1.7	31.0 - 37.0	P	33.7	14.6	10.0 - 14.0	C	11.8	0.6	8.0 - 12.0	C	9.6	0.8	3.0 - 7.0	C	4.7	0.8	21
All i-STAT non-waived	4	56.0 - 67.0	P	61.9	4.2	29.0 - 35.0	P	31.7	6.4	10.0 - 14.0	C	12.2	3.3	8.0 - 12.0	C	10.4	5.3	3.0 - 7.0	C	4.8	1.6	28

Total Population

Whole Population	5	57.0 - 68.0	P	62.4	3.4	28.0 - 33.0	P	30.5	1.1	10.0 - 14.0	C	11.7	0.6	7.0 - 11.0	C	9.5	0.7	3.0 - 7.0	C	4.7	0.6	50
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pH - iSTAT

Initial Grouping by Method

Abbott i-STAT Blood Gas Car	1	6.986 - 7.066	C	7.0259	0.0253	7.232 - 7.312	C	7.2716	0.0138	7.386 - 7.466	C	7.4256	0.0086	7.684 - 7.764	C	7.7236	0.0134	7.852 - 7.932	C	7.8923	0.0142	15
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Initial Grouping by Sensitivity or Principle

All i-STAT non-waived	2	6.986 - 7.066	C	7.0259	0.0253	7.232 - 7.312	C	7.2716	0.0138	7.386 - 7.466	C	7.4256	0.0086	7.684 - 7.764	C	7.7236	0.0134	7.852 - 7.932	C	7.8923	0.0142	15
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Total Population

Whole Population	3	6.983 - 7.063	C	7.0228	0.0251	7.231 - 7.311	C	7.2714	0.0131	7.385 - 7.465	C	7.4252	0.0081	7.683 - 7.763	C	7.7228	0.0127	7.852 - 7.932	C	7.8917	0.0137	17
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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		
pCO2 - iSTAT																						
Initial Grouping by Method																						
Abbott i-STAT Blood Gas Car	1	58.9 - 69.2	P	64.04	4.44	37.9 - 47.9	C	42.94	2.61	29.6 - 39.6	C	34.63	1.20	21.0 - 31.0	C	26.03	0.95	17.2 - 27.2	C	22.24	1.20	15
Initial Grouping by Sensitivity or Principle																						
All i-STAT non-waived	2	58.9 - 69.2	P	64.04	4.44	37.9 - 47.9	C	42.94	2.61	29.6 - 39.6	C	34.63	1.20	21.0 - 31.0	C	26.03	0.95	17.2 - 27.2	C	22.24	1.20	15
Total Population																						
Whole Population	3	59.2 - 69.5	P	64.39	4.25	38.0 - 48.0	C	43.00	2.44	29.8 - 39.8	C	34.79	1.20	21.1 - 31.1	C	26.12	0.92	17.2 - 27.2	C	22.22	1.13	17
pO2 - iSTAT																						
Initial Grouping by Method																						
Abbott i-STAT Blood Gas Car	1	34.0 - 102.0	S	67.9	11.3	65.0 - 105.0	S	85.1	6.6	84.0 - 102.0	S	92.9	3.0	101.0 - 147.0	S	124.3	7.7	241.0 - 456.0	S	348.7	35.8	15
Initial Grouping by Sensitivity or Principle																						
All i-STAT non-waived	2	42.0 - 89.0	S	65.6	7.9	65.0 - 105.0	S	85.1	6.6	84.0 - 102.0	S	92.9	3.0	101.0 - 147.0	S	124.3	7.7	241.0 - 456.0	S	348.7	35.8	15
Total Population																						
Whole Population	3	51.0 - 76.0	S	63.1	4.2	66.0 - 104.0	S	84.8	6.4	83.0 - 102.0	S	92.4	3.3	103.0 - 146.0	S	124.2	7.2	243.0 - 457.0	S	350.1	35.7	17
Hemoglobin - iSTAT																						
Initial Grouping by Reagent																						
Abbott i-STAT CHEM8+, waived	1	5.5 - 6.3	P	5.88	0.23	9.7 - 11.2	P	10.43	0.32	11.0 - 12.7	P	11.87	0.26	17.1 - 19.7	P	18.44	0.37	22.0 - 25.3	P	23.62	0.29	10
Initial Grouping by Sensitivity or Principle																						
All i-STAT waived	2	5.5 - 6.3	P	5.89	0.22	9.7 - 11.1	P	10.42	0.29	11.0 - 12.7	P	11.85	0.25	17.1 - 19.7	P	18.40	0.36	21.9 - 25.2	P	23.56	0.30	12
All i-STAT non-waived	3	5.5 - 6.3	P	5.87	0.21	9.7 - 11.1	P	10.40	0.15	11.0 - 12.7	P	11.82	0.14	17.1 - 19.7	P	18.41	0.23	22.0 - 25.3	P	23.64	0.26	12
Total Population																						
Whole Population	4	5.5 - 6.3	P	5.88	0.21	9.7 - 11.1	P	10.41	0.23	11.0 - 12.7	P	11.84	0.20	17.1 - 19.7	P	18.40	0.30	22.0 - 25.3	P	23.60	0.28	24
Hematocrit - iSTAT																						
Initial Grouping by Reagent																						
Abbott i-STAT CHEM8+, waived	1	16.0 - 18.0	P	17.3	0.7	29.0 - 33.0	P	30.7	0.9	33.0 - 37.0	P	34.9	0.9	51.0 - 57.0	P	54.2	1.1	66.0 - 74.0	P	69.8	1.4	10
Initial Grouping by Sensitivity or Principle																						
All i-STAT waived	2	16.0 - 18.0	P	17.3	0.7	29.0 - 33.0	P	30.7	0.9	33.0 - 37.0	P	34.8	0.8	51.0 - 57.0	P	54.1	1.1	65.0 - 73.0	P	69.3	0.9	12
All i-STAT non-waived	3	16.0 - 18.0	P	17.2	0.6	29.0 - 33.0	P	30.7	0.5	31.0 - 35.0	P	32.7	7.2	51.0 - 57.0	P	54.1	0.7	65.0 - 74.0	P	69.5	0.8	13
Total Population																						
Whole Population	4	16.0 - 18.0	P	17.3	0.6	29.0 - 33.0	P	30.7	0.7	32.0 - 36.0	P	33.8	5.1	51.0 - 57.0	P	54.1	0.9	65.0 - 74.0	P	69.4	0.8	25