



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 Sensitivity or Principle | | | | | | | | | | | | | | | | | |
| All i-STAT non-waived | 1 | 21 - 32 | P 26.5 | 0.8 | 19 - 29 | P 23.8 | 0.7 | 14 - 22 | C 18.1 | 1.2 | 21 - 32 | P 26.5 | 0.7 | 19 - 28 | P 23.4 | 0.8 | 12 |
| Total Population | | | | | | | | | | | | | | | | | |
| Whole Population | 2 | 21 - 32 | P 26.5 | 0.8 | 19 - 29 | P 23.9 | 0.7 | 14 - 22 | C 18.3 | 1.0 | 21 - 32 | P 26.4 | 0.6 | 19 - 28 | P 23.6 | 0.7 | 20 |
| Chloride - iSTAT | | | | | | | | | | | | | | | | | |
| Initial Grouping by Reagent | | | | | | | | | | | | | | | | | |
| Abbott i-STAT CHEM8+, waived | 1 | 82 - 91 | P 86.8 | 0.7 | 76 - 84 | P 79.9 | 0.9 | 100 - 111 | P 105.3 | 0.6 | 83 - 91 | P 86.9 | 0.7 | 76 - 84 | P 79.6 | 0.7 | 10 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | | | | | | | | |
| All i-STAT waived | 2 | 82 - 91 | P 86.8 | 0.7 | 76 - 84 | P 79.9 | 0.9 | 100 - 111 | P 105.3 | 0.6 | 83 - 91 | P 86.9 | 0.7 | 76 - 84 | P 79.6 | 0.7 | 10 |
| Total Population | | | | | | | | | | | | | | | | | |
| Whole Population | 3 | 85 - 94 | P 89.6 | 6.6 | 78 - 86 | P 82.1 | 5.6 | 103 - 114 | P 108.5 | 7.6 | 85 - 94 | P 89.5 | 6.6 | 78 - 86 | P 82.0 | 5.8 | 21 |
| Creatinine - iSTAT | | | | | | | | | | | | | | | | | |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | | | | | | | | |
| All i-STAT waived | 1 | 5.1 - 6.8 | P 5.95 | 0.16 | 0.2 - 0.8 | C 0.46 | 0.05 | 0.8 - 1.4 | C 1.12 | 0.04 | 5.1 - 6.9 | P 6.04 | 0.23 | 0.2 - 0.8 | C 0.45 | 0.05 | 10 |
| Total Population | | | | | | | | | | | | | | | | | |
| Whole Population | 2 | 5.0 - 6.8 | P 5.91 | 0.25 | 0.2 - 0.8 | C 0.48 | 0.04 | 0.8 - 1.4 | C 1.13 | 0.04 | 5.0 - 6.7 | P 5.84 | 0.39 | 0.2 - 0.8 | C 0.46 | 0.05 | 21 |
| Glucose - iSTAT | | | | | | | | | | | | | | | | | |
| Initial Grouping by Reagent | | | | | | | | | | | | | | | | | |
| Abbott i-STAT CHEM8+, waived | 1 | 127 - 155 | P 141.1 | 2.7 | 44 - 56 | C 50.2 | 1.0 | 75 - 92 | P 83.5 | 1.4 | 127 - 155 | P 140.8 | 2.5 | 44 - 56 | C 50.4 | 1.1 | 10 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | | | | | | | | |
| All i-STAT waived | 2 | 127 - 155 | P 141.1 | 2.7 | 44 - 56 | C 50.2 | 1.0 | 75 - 92 | P 83.5 | 1.4 | 127 - 155 | P 140.8 | 2.5 | 44 - 56 | C 50.4 | 1.1 | 10 |
| All i-STAT non-waived | 3 | 126 - 154 | P 140.2 | 2.1 | 44 - 56 | C 50.4 | 1.6 | 74 - 91 | P 82.7 | 1.6 | 126 - 155 | P 140.5 | 1.7 | 44 - 56 | C 50.4 | 1.4 | 10 |
| Total Population | | | | | | | | | | | | | | | | | |
| Whole Population | 4 | 129 - 158 | P 143.6 | 7.9 | 46 - 58 | C 51.6 | 3.5 | 76 - 92 | P 84.0 | 3.1 | 128 - 157 | P 142.7 | 5.7 | 46 - 58 | C 51.5 | 3.2 | 23 |
| Ionized Calcium - iSTAT | | | | | | | | | | | | | | | | | |
| Initial Grouping by Reagent | | | | | | | | | | | | | | | | | |
| Abbott i-STAT CHEM8+, waived | 1 | 2.0 - 2.5 | C 2.21 | 0.05 | 0.4 - 0.9 | C 0.6 | 0.0 | 0.5 - 1.0 | C 0.77 | 0.05 | 1.9 - 2.4 | C 2.19 | 0.03 | 0.4 - 0.9 | C 0.6 | 0.0 | 10 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | | | | | | | | |
| All i-STAT waived | 2 | 2.0 - 2.5 | C 2.21 | 0.05 | 0.4 - 0.9 | C 0.6 | 0.0 | 0.5 - 1.0 | C 0.77 | 0.05 | 1.9 - 2.4 | C 2.19 | 0.03 | 0.4 - 0.9 | C 0.6 | 0.0 | 10 |
| Total Population | | | | | | | | | | | | | | | | | |
| Whole Population | 3 | 1.9 - 2.4 | C 2.19 | 0.09 | 0.4 - 0.9 | C 0.6 | 0.0 | 0.5 - 1.0 | C 0.76 | 0.05 | 1.9 - 2.4 | C 2.17 | 0.11 | 0.4 - 0.9 | C 0.6 | 0.0 | 22 |
| Ionized Magnesium - iStat | | | | | | | | | | | | | | | | | |
| Initial Grouping by Reagent | | | | | | | | | | | | | | | | | |
| Nova CCX | 1 | 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 | 0 - 2.6 | P 0.1 | 0.0 | 3 |
| Initial Grouping by Sensitivity or Principle | | | | | | | | | | | | | | | | | |
| All other | 2 | 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 | 0 - 2.6 | P 0.1 | 0.0 | 3 |
| Total Population | | | | | | | | | | | | | | | | | |
| Whole Population | 3 | 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 | 0 - 2.6 | P 0.1 | 0.0 | 3 |
| Lactate - iSTAT | | | | | | | | | | | | | | | | | |
| Total Population | | | | | | | | | | | | | | | | | |

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|------------------|---|-----------|-------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|---|
| Whole Population | 1 | 2.7 - 4.5 | P 3.6 | 0.08 | 4.8 - 8.0 | P 6.42 | 0.07 | 0.9 - 1.5 | P 1.18 | 0.04 | 2.7 - 4.5 | P 3.57 | 0.05 | 4.1 - 6.9 | P 5.52 | 2.02 | 6 |
|------------------|---|-----------|-------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|---|

Potassium - iSTAT

Initial Grouping by Reagent

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|------------------------------|---|-----------|-------|-----|-----------|--------|------|-----------|--------|------|-----------|-------|-----|-----------|--------|------|----|
| Abbott i-STAT CHEM8+, waived | 1 | 3.3 - 4.3 | C 3.8 | 0.0 | 1.8 - 2.8 | C 2.27 | 0.05 | 5.7 - 6.7 | C 6.19 | 0.05 | 3.3 - 4.3 | C 3.8 | 0.0 | 1.8 - 2.8 | C 2.25 | 0.05 | 10 |
|------------------------------|---|-----------|-------|-----|-----------|--------|------|-----------|--------|------|-----------|-------|-----|-----------|--------|------|----|

Initial Grouping by Sensitivity or Principle

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|-------------------|---|-----------|-------|-----|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|----|
| All i-STAT waived | 2 | 3.3 - 4.3 | C 3.8 | 0.0 | 1.8 - 2.8 | C 2.27 | 0.05 | 5.7 - 6.7 | C 6.19 | 0.05 | 3.3 - 4.3 | C 3.79 | 0.03 | 1.7 - 2.7 | C 2.24 | 0.05 | 12 |
|-------------------|---|-----------|-------|-----|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|----|

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|-----------------------|---|-----------|--------|------|-----------|--------|------|-----------|-------|-----|-----------|--------|------|-----------|--------|------|----|
| All i-STAT non-waived | 3 | 3.3 - 4.3 | C 3.79 | 0.03 | 1.8 - 2.8 | C 2.28 | 0.04 | 5.7 - 6.7 | C 6.2 | 0.0 | 3.3 - 4.3 | C 3.79 | 0.03 | 1.8 - 2.8 | C 2.25 | 0.05 | 10 |
|-----------------------|---|-----------|--------|------|-----------|--------|------|-----------|-------|-----|-----------|--------|------|-----------|--------|------|----|

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|----|
| Whole Population | 4 | 3.3 - 4.3 | C 3.78 | 0.04 | 1.8 - 2.8 | C 2.26 | 0.05 | 5.7 - 6.7 | C 6.19 | 0.04 | 3.3 - 4.3 | C 3.78 | 0.04 | 1.7 - 2.7 | C 2.24 | 0.05 | 25 |
|------------------|---|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|-----------|--------|------|----|

Sodium - iSTAT

Initial Grouping by Reagent

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|------------------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|
| Abbott i-STAT CHEM8+, waived | 1 | 137 - 145 | C 140.7 | 0.9 | 122 - 130 | C 126.1 | 0.5 | 145 - 153 | C 149.0 | 1.1 | 137 - 145 | C 140.9 | 0.5 | 122 - 130 | C 126.0 | 0.4 | 10 |
|------------------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|

Initial Grouping by Sensitivity or Principle

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|-------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|
| All i-STAT waived | 2 | 137 - 145 | C 140.7 | 0.9 | 122 - 130 | C 126.1 | 0.5 | 145 - 153 | C 149.0 | 1.1 | 137 - 145 | C 140.9 | 0.5 | 122 - 130 | C 126.0 | 0.4 | 10 |
|-------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|

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|-----------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|
| All i-STAT non-waived | 3 | 137 - 145 | C 140.9 | 0.7 | 122 - 130 | C 126.3 | 0.5 | 146 - 154 | C 149.6 | 0.8 | 137 - 145 | C 140.6 | 0.9 | 122 - 130 | C 126.2 | 0.9 | 10 |
|-----------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|
| Whole Population | 4 | 135 - 143 | C 139.3 | 3.8 | 121 - 129 | C 124.9 | 3.5 | 143 - 151 | C 147.3 | 5.1 | 135 - 143 | C 139.3 | 3.7 | 121 - 129 | C 124.8 | 3.5 | 23 |
|------------------|---|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|-----------|---------|-----|----|

Urea Nitrogen (BUN) - iSTAT

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|---------|--------|-----|--------|-------|-----|---------|--------|-----|---------|--------|-----|--------|-------|-----|----|
| Whole Population | 1 | 54 - 64 | P 59.1 | 4.7 | 7 - 11 | C 9.3 | 0.5 | 19 - 23 | C 21.4 | 2.2 | 54 - 65 | P 59.3 | 4.3 | 8 - 12 | C 9.6 | 0.5 | 20 |
|------------------|---|---------|--------|-----|--------|-------|-----|---------|--------|-----|---------|--------|-----|--------|-------|-----|----|

pH - iSTAT

Initial Grouping by Reagent

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|---------------------------|---|---------------|----------|-------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|----|
| Abbott i-STAT Bld Gas Car | 1 | 7.115 - 7.195 | C 7.1554 | 0.008 | 7.276 - 7.356 | C 7.3156 | 0.0078 | 7.473 - 7.553 | C 7.5128 | 0.0066 | 7.115 - 7.195 | C 7.1553 | 0.0065 | 7.278 - 7.358 | C 7.3179 | 0.0084 | 12 |
|---------------------------|---|---------------|----------|-------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|----|

Initial Grouping by Sensitivity or Principle

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|-----------------------|---|---------------|----------|-------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|----|
| All i-STAT non-waived | 2 | 7.115 - 7.195 | C 7.1554 | 0.008 | 7.276 - 7.356 | C 7.3156 | 0.0078 | 7.473 - 7.553 | C 7.5128 | 0.0066 | 7.115 - 7.195 | C 7.1553 | 0.0065 | 7.278 - 7.358 | C 7.3179 | 0.0084 | 12 |
|-----------------------|---|---------------|----------|-------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|----|

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|----|
| Whole Population | 3 | 7.115 - 7.195 | C 7.1553 | 0.0082 | 7.272 - 7.352 | C 7.3117 | 0.0111 | 7.468 - 7.548 | C 7.5081 | 0.0115 | 7.115 - 7.195 | C 7.1553 | 0.0067 | 7.275 - 7.355 | C 7.3151 | 0.0096 | 15 |
|------------------|---|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|---------------|----------|--------|----|

pCO2 - iSTAT

Initial Grouping by Reagent

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|---------------------------|---|-------------|---------|------|-------------|---------|-----|-------------|---------|------|-------------|---------|------|-------------|---------|------|----|
| Abbott i-STAT Bld Gas Car | 1 | 64.0 - 75.1 | P 69.52 | 1.96 | 38.2 - 48.2 | C 43.16 | 1.4 | 15.4 - 25.4 | C 20.44 | 1.07 | 64.5 - 75.8 | P 70.16 | 2.07 | 37.5 - 47.5 | C 42.51 | 1.53 | 12 |
|---------------------------|---|-------------|---------|------|-------------|---------|-----|-------------|---------|------|-------------|---------|------|-------------|---------|------|----|

Initial Grouping by Sensitivity or Principle

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|-----------------------|---|-------------|---------|------|-------------|---------|-----|-------------|---------|------|-------------|---------|------|-------------|---------|------|----|
| All i-STAT non-waived | 2 | 64.0 - 75.1 | P 69.52 | 1.96 | 38.2 - 48.2 | C 43.16 | 1.4 | 15.4 - 25.4 | C 20.44 | 1.07 | 64.5 - 75.8 | P 70.16 | 2.07 | 37.5 - 47.5 | C 42.51 | 1.53 | 12 |
|-----------------------|---|-------------|---------|------|-------------|---------|-----|-------------|---------|------|-------------|---------|------|-------------|---------|------|----|

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|-------------|---------|-----|-------------|---------|------|-------------|---------|------|-------------|---------|------|-------------|---------|------|----|
| Whole Population | 3 | 65.3 - 76.7 | P 71.02 | 3.5 | 39.9 - 49.9 | C 44.91 | 3.74 | 15.8 - 25.8 | C 20.76 | 1.18 | 65.8 - 77.3 | P 71.53 | 3.33 | 39.2 - 49.2 | C 44.18 | 3.49 | 15 |
|------------------|---|-------------|---------|-----|-------------|---------|------|-------------|---------|------|-------------|---------|------|-------------|---------|------|----|

pO2 - iSTAT

Initial Grouping by Reagent

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|---------------------------|---|----------|--------|-----|---------|--------|-----|-----------|---------|-----|----------|--------|-----|----------|--------|------|----|
| Abbott i-STAT Bld Gas Car | 1 | 76 - 101 | S 88.6 | 4.3 | 57 - 97 | S 77.3 | 6.7 | 145 - 181 | S 162.9 | 6.1 | 73 - 107 | S 89.6 | 5.6 | 38 - 121 | S 79.5 | 14.0 | 12 |
|---------------------------|---|----------|--------|-----|---------|--------|-----|-----------|---------|-----|----------|--------|-----|----------|--------|------|----|

Initial Grouping by Sensitivity or Principle

| | | | | | | | | | | | | | | | | | |
|-----------------------|---|----------|--------|-----|---------|--------|-----|-----------|---------|-----|----------|--------|-----|----------|--------|------|----|
| All i-STAT non-waived | 2 | 76 - 101 | S 88.6 | 4.3 | 57 - 97 | S 77.3 | 6.7 | 145 - 181 | S 162.9 | 6.1 | 73 - 107 | S 89.6 | 5.6 | 38 - 121 | S 79.5 | 14.0 | 12 |
|-----------------------|---|----------|--------|-----|---------|--------|-----|-----------|---------|-----|----------|--------|-----|----------|--------|------|----|

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|----------|--------|-----|---------|--------|-----|-----------|---------|-----|----------|--------|-----|----------|--------|------|----|
| Whole Population | 3 | 76 - 101 | S 88.6 | 4.3 | 57 - 97 | S 77.3 | 6.7 | 145 - 181 | S 162.9 | 6.1 | 73 - 107 | S 89.6 | 5.6 | 38 - 121 | S 79.5 | 14.0 | 12 |
|------------------|---|----------|--------|-----|---------|--------|-----|-----------|---------|-----|----------|--------|-----|----------|--------|------|----|

Hemoglobin - iSTAT

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|-----------|--------|------|-----------|-------|-----|-----------|--------|------|-----------|--------|------|-----------|--------|------|----|
| Whole Population | 1 | 7.9 - 9.1 | P 8.53 | 0.15 | 4.7 - 5.5 | P 5.1 | 0.0 | 8.6 - 9.9 | P 9.28 | 0.26 | 7.9 - 9.1 | P 8.54 | 0.29 | 4.8 - 5.5 | P 5.13 | 0.09 | 11 |
|------------------|---|-----------|--------|------|-----------|-------|-----|-----------|--------|------|-----------|--------|------|-----------|--------|------|----|

Hematocrit - iSTAT

Total Population

| | | | | | | | | | | | | | | | | | |
|------------------|---|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|----|
| Whole Population | 1 | 24 - 27 | P 25.1 | 0.5 | 14 - 16 | C 15.0 | 0.0 | 26 - 29 | P 27.3 | 0.7 | 24 - 27 | P 25.1 | 0.9 | 14 - 16 | C 15.0 | 0.0 | 11 |
|------------------|---|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|----|