American Proficiency Institute

1168 Business Park Drive, Traverse City, MI 49686

# PROFICIENCY TESTING PERFORMANCE EVALUATION

***2018 Chemistry - Core - 1st Event***

**Please check the reports carefully and notify API within 30 days of any corrections that must be made to your evaluation.**

**Customer Information**

Heather Hall - Laboratory
Brown Clinic
506 1st Avenue NE
Watertown, SD 57201

API Customer Number: **26618** CLIA Number: **43D0407296**
These reports have also been prepared for:
COLA (0016466)

The American Proficiency Institute evaluation reports consist of three parts : Performance Summary, Comparative Evaluation, and Participant Data Summary. The Performance Summary and Comparative Evaluation are enclosed, and the Participant Data Summary is available on our website. Click on 'Participant Data Summaries' on the left side of the screen, choose a Test Event, and select an analyte and peer group to view the statistics.

Laboratories should review the Performance Summary and Comparative Evaluation thoroughly for failures or 'not graded' analytes. Laboratories are responsible for documenting and performing corrective action for failures and must perform a self-evaluation using statistics presented in the Participant Data Summary for samples that have not been graded.

## PERFORMANCE REVIEW AND CORRECTIVE ACTION

After reviewing the evaluation reports, complete the information below and retain this form along with the enclosed reports for your records.

Reviewed by (Lab Director or designee): Ann [illegible], MD Date: 3/1/18

Corrective action taken (if indicated):

100% Success on Survey

No ungraded or educational Samples

Heather Hall 3/2/18

Evaluation Published: 2/27/2018

American Proficiency Institute
1159 Business Park Drive, Traverse City, MI 49686

Customer No: 26618
CLIA No: 43D0407296
Address: Heather Hall - Laboratory
Brown Clinic
506 1st Avenue NE
Watertown, SD 57201

## Performance Summary

### 2018 Chemistry - Core - 1st Event

This is a summary of your proficiency testing performance for the last three test events. It is divided into sections according to specialty/sub-specialty. Unsuccessful long-term performance, where indicated, is based on unsatisfactory scores for two of three test events.

The scores for individual analytes are defined as the ratio of acceptable responses to the number of samples tested, expressed as a percentage. Unsatisfactory performance (denoted by ✓) is indicated for any analyte with less than 80%. Analytes that are scored for CMS are designated by (**).

| CHEMISTRY *Endocrinology* | 2017 2nd | 2017 3rd | 2018 1st | Long Term | Notes (2018 1st) |
|---|---|---|---|---|---|
| Free Thyroxine ** | 100% | 100% | 100% | | |
| HCG ** | 100% | 100% | 100% | | |
| Thyroid Stimulating Hormone ** | 100% | 100% | 100% | | |

| CHEMISTRY *Routine Chemistry* | 2017 2nd | 2017 3rd | 2018 1st | Long Term | Notes (2018 1st) |
|---|---|---|---|---|---|
| Albumin ** | 100% | 100% | 100% | | |
| Alkaline Phosphatase ** | 100% | 100% | 100% | | |
| ALT / SGPT ** | 100% | 100% | 100% | | |
| AST / SGOT ** | 100% | 100% | 100% | | |
| Bilirubin, Direct | 100% | 100% | 100% | | |
| Bilirubin, Total ** | 100% | 100% | 100% | | |
| BNP (CM) | 100% | 100% | 100% | | |
| Calcium, Total ** | 100% | 100% | 100% | | |
| Chloride ** | 100% | 100% | 100% | | |
| Cholesterol, HDL ** | 100% | 100% | 100% | | |
| Cholesterol, Total ** | 100% | 100% | 100% | | |
| CO2 | 100% | 100% | 100% | | |
| Creatine Kinase / CK ** | 100% | 100% | 100% | | |
| Creatine Kinase, Isoenzyme ** | 100% | 100% | 100% | | |
| Creatinine ** | 100% | 100% | 100% | | |
| Glucose ** | 100% | 100% | 100% | | |
| Glycated Hemoglobin | 100% | 100% | 100% | | |
| Iron, Total ** | 100% | 100% | 100% | | |
| Magnesium ** | 100% | 100% | 100% | | |
| Phosphorus | 100% | 100% | 100% | | |
| Potassium ** | 100% | 100% | 100% | | |
| Sodium ** | 100% | 100% | 100% | | |
| TIBC, measured | 100% | 100% | 80% | | |
| Total Protein ** | 100% | 100% | 100% | | |
| Triglycerides ** | 100% | 100% | 100% | | |
| Troponin I (CM) | 100% | 100% | 100% | | |
| Urea Nitrogen ** | 100% | 100% | 100% | | |
| Uric Acid ** | 100% | 100% | 100% | | |

| CHEMISTRY *Toxicology* | 2017 2nd | 2017 3rd | 2018 1st | Long Term | Notes (2018 1st) |
|---|---|---|---|---|---|
| Digoxin ** | 100% | 100% | 100% | | |

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# Comparative Evaluation

## 2018 Chemistry - Core - 1st Event

This report shows the result you reported, expected result, mean, SD (Standard Deviation), SDI (Standard Deviation Interval), and your grade for each sample tested. The SDI compares your laboratory's result to the comparison group's mean and is defined as follows:

$$SDI = \frac{\text{Reported Result - Comparison Group Mean}}{\text{Comparison Group Standard Deviation}}$$

Analytes that are scored for CMS are designated by (**).

## CARDIAC MARKERS

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **BNP (CM) (pg/mL)** AlereBiositeTriage BNP Test | CM-01 | 57.6 | 32.9 - 80.3 | 56.58 | 7.88 | 0.1 | Acceptable |
| | CM-02 | 1,250.0 | 782.6 - 1,941.8 | 1,362.17 | 193.18 | -0.6 | Acceptable |
| | CM-03 | 726.0 | 415.0 - 1,012.8 | 713.94 | 99.62 | 0.1 | Acceptable |
| | CM-04 | 316.0 | 222.0 - 526.4 | 374.18 | 50.72 | -1.1 | Acceptable |
| | CM-05 | 2,200.0 | 1,350.0 - 3,638.4 | 2,494.17 | 381.39 | -0.8 | Acceptable |
| **CK-MB (ng/mL) **** AlereBiositeTriageCardiac-EDTA | CM-01 | 2.0 | 0.0 - 5.0 | 1.94 | 0.47 | 0.1 | Acceptable |
| | CM-02 | 20.1 | 9.0 - 28.7 | 18.86 | 3.26 | 0.4 | Acceptable |
| | CM-03 | 9.9 | 4.8 - 16.0 | 10.41 | 1.85 | -0.3 | Acceptable |
| | CM-04 | 5.6 | 2.6 - 9.3 | 5.95 | 1.11 | -0.3 | Acceptable |
| | CM-05 | 28.4 | 16.4 - 52.4 | 34.42 | 5.98 | -1.0 | Acceptable |
| **Troponin I (CM) (ng/mL)** AlereBiositeTriageCardiac-EDTA | CM-01 | < 0.05 | 0.00 - 0.35 | 0.050 | 0.001 | | Acceptable |
| | CM-02 | 4.79 | 1.31 - 6.01 | 3.656 | 0.782 | 1.5 | Acceptable |
| | CM-03 | 1.54 | 0.38 - 1.96 | 1.167 | 0.261 | 1.4 | Acceptable |
| | CM-04 | 0.39 | 0.09 - 0.70 | 0.397 | 0.099 | 0.0 | Acceptable |
| | CM-05 | 8.63 | 4.41 - 13.90 | 9.155 | 1.580 | -0.3 | Acceptable |

## CHEMISTRY

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **Albumin (g/dL) **** Siemens Dimension / Siemens Dimension reagent | CH-01 | 5.7 | 5.1 - 6.4 | 5.77 | 0.12 | -0.6 | Acceptable |
| | CH-02 | 1.6 | 1.4 - 1.9 | 1.64 | 0.06 | -0.7 | Acceptable |
| | CH-03 | 3.4 | 3.0 - 3.8 | 3.42 | 0.08 | -0.3 | Acceptable |
| | CH-04 | 2.3 | 2.1 - 2.7 | 2.37 | 0.06 | -1.2 | Acceptable |
| | CH-05 | 2.6 | 2.4 - 3.0 | 2.72 | 0.07 | -1.7 | Acceptable |
| **Alkaline Phosphatase (U/L) **** Siemens Dimension / S Dimension ALPI (DF150) | CH-01 | 99 | 68 - 127 | 97.2 | 3.3 | 0.5 | Acceptable |
| | CH-02 | 42 | 27 - 52 | 39.4 | 2.6 | 1.0 | Acceptable |
| | CH-03 | 355 | 250 - 465 | 357.2 | 10.7 | -0.2 | Acceptable |
| | CH-04 | 175 | 121 - 227 | 173.9 | 6.0 | 0.2 | Acceptable |
| | CH-05 | 241 | 165 - 308 | 236.6 | 8.1 | 0.5 | Acceptable |
| **ALT / SGPT (U/L) **** Siemens Dimension / S Dimension ALTI-new (DF143) | CH-01 | 32 | 26 - 41 | 33.7 | 2.3 | -0.7 | Acceptable |
| | CH-02 | 18 | 14 - 23 | 18.7 | 1.8 | -0.4 | Acceptable |
| | CH-03 | 273 | 216 - 326 | 271.2 | 6.1 | 0.3 | Acceptable |
| | CH-04 | 122 | 96 - 146 | 121.1 | 3.1 | 0.3 | Acceptable |
| | CH-05 | 172 | 137 - 206 | 171.6 | 4.0 | 0.1 | Acceptable |
| **AST / SGOT (U/L) **** Siemens Dimension / Siemens Dimension reagent | CH-01 | 34 | 25 - 39 | 32.0 | 1.9 | 1.1 | Acceptable |
| | CH-02 | 106 | 84 - 127 | 105.1 | 3.0 | 0.3 | Acceptable |
| | CH-03 | 302 | 239 - 360 | 299.5 | 7.2 | 0.3 | Acceptable |
| | CH-04 | 185 | 147 - 221 | 183.8 | 4.9 | 0.2 | Acceptable |
| | CH-05 | 223 | 178 - 268 | 222.9 | 5.9 | 0.0 | Acceptable |
| **Bilirubin, Direct (mg/dL)** Siemens Dimension / Siemens Dimension reagent | CH-01 | 0.1 | 0.0 - 0.5 | 0.10 | 0.00 | | Acceptable |
| | CH-02 | 0.1 | 0.0 - 0.5 | 0.10 | 0.00 | | Acceptable |
| | CH-03 | 0.9 | 0.5 - 1.4 | 0.93 | 0.10 | -0.3 | Acceptable |
| | CH-04 | 0.5 | 0.0 - 0.9 | 0.44 | 0.06 | 1.0 | Acceptable |
| | CH-05 | 0.7 | 0.2 - 1.1 | 0.61 | 0.08 | 1.1 | Acceptable |



02/27/2018

## CHEMISTRY - continued

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **Bilirubin, Total (mg/dL) **** | CH-01 | 0.5 | 0.0 - 0.9 | 0.44 | 0.05 | 1.2 | Acceptable |
| Siemens Dimension / Siemens Dimension reagent | CH-02 | 0.4 | 0.0 - 0.9 | 0.41 | 0.06 | -0.2 | Acceptable |
| | CH-03 | 3.1 | 2.5 - 3.9 | 3.18 | 0.28 | -0.3 | Acceptable |
| | CH-04 | 1.5 | 1.0 - 1.9 | 1.46 | 0.14 | 0.3 | Acceptable |
| | CH-05 | 2.1 | 1.8 - 2.5 | 2.07 | 0.19 | 0.2 | Acceptable |
| **Calcium, Total (mg/dL) **** | CH-01 | 6.8 | 5.9 - 8.0 | 6.98 | 0.19 | -0.9 | Acceptable |
| Siemens Dimension / Siemens Dimension reagent | CH-02 | 6.8 | 5.9 - 8.0 | 6.95 | 0.19 | -0.8 | Acceptable |
| | CH-03 | 13.2 | 12.5 - 14.5 | 13.50 | 0.30 | -1.0 | Acceptable |
| | CH-04 | 9.2 | 8.5 - 10.6 | 9.52 | 0.22 | -1.5 | Acceptable |
| | CH-05 | 10.3 | 9.8 - 11.9 | 10.81 | 0.24 | -2.1 | Acceptable |
| **Chloride (mmol/L) **** | CH-01 | 84 | 78 - 88 | 82.9 | 1.0 | 1.1 | Acceptable |
| Siemens Dimensn QuikLYTE- EXL | CH-02 | 83 | 77 - 86 | 81.9 | 1.0 | 1.1 | Acceptable |
| | CH-03 | 123 | 115 - 129 | 122.0 | 1.6 | 0.6 | Acceptable |
| | CH-04 | 98 | 93 - 104 | 98.1 | 1.1 | 0.0 | Acceptable |
| | CH-05 | 106 | 100 - 112 | 105.9 | 1.2 | 0.1 | Acceptable |
| **Cholesterol, HDL (mg/dL) **** | CH-01 | 63 | 44 - 84 | 64.1 | 2.1 | -0.5 | Acceptable |
| Siemens Dimension / Siemens Dimension AHDL DF48B | CH-02 | 29 | 20 - 39 | 29.4 | 1.1 | -0.4 | Acceptable |
| | CH-03 | 131 | 93 - 174 | 133.6 | 5.4 | -0.5 | Acceptable |
| | CH-04 | 71 | 50 - 94 | 71.9 | 2.8 | -0.3 | Acceptable |
| | CH-05 | 90 | 64 - 121 | 92.4 | 3.6 | -0.7 | Acceptable |
| **Cholesterol, Total (mg/dL) **** | CH-01 | 235 | 217 - 266 | 241.3 | 5.6 | -1.1 | Acceptable |
| Siemens Dimension / Siemens Dimension reagent | CH-02 | 56 | 52 - 64 | 58.0 | 2.9 | -0.7 | Acceptable |
| | CH-03 | 240 | 222 - 273 | 247.7 | 5.5 | -1.4 | Acceptable |
| | CH-04 | 128 | 120 - 148 | 133.9 | 3.6 | -1.6 | Acceptable |
| | CH-05 | 166 | 154 - 189 | 171.7 | 4.2 | -1.4 | Acceptable |
| **CO2 (mmol/L)** | CH-01 | 15 | 9 - 20 | 14.9 | 1.7 | 0.1 | Acceptable |
| Siemens Dimension enzymatic | CH-02 | 14 | 10 - 19 | 14.2 | 1.4 | -0.1 | Acceptable |
| | CH-03 | 41 | 32 - 48 | 40.1 | 2.5 | 0.4 | Acceptable |
| | CH-04 | 26 | 19 - 31 | 25.1 | 1.8 | 0.5 | Acceptable |
| | CH-05 | 31 | 24 - 36 | 30.2 | 1.9 | 0.4 | Acceptable |
| **Creatine Kinase / CK (U/L) **** | CH-01 | 169 | 115 - 215 | 165.3 | 3.7 | 1.0 | Acceptable |
| Siemens Dimension / Siemens Dimension CKI (DF38) | CH-02 | 22 | 14 - 27 | 20.1 | 1.8 | 1.1 | Acceptable |
| | CH-03 | 320 | 216 - 403 | 309.5 | 17.9 | 0.6 | Acceptable |
| | CH-04 | 151 | 101 - 188 | 144.4 | 5.8 | 1.1 | Acceptable |
| | CH-05 | 210 | 141 - 263 | 201.6 | 9.2 | 0.9 | Acceptable |
| **Creatinine (mg/dL) **** | CH-01 | 0.58 | 0.24 - 0.84 | 0.540 | 0.041 | 1.0 | Acceptable |
| Siemens Dimension / Siemens Dimension CRE2 | CH-02 | 0.46 | 0.14 - 0.75 | 0.444 | 0.041 | 0.4 | Acceptable |
| | CH-03 | 5.17 | 4.44 - 6.02 | 5.234 | 0.120 | -0.5 | Acceptable |
| | CH-04 | 2.38 | 2.02 - 2.75 | 2.386 | 0.065 | 0.0 | Acceptable |
| | CH-05 | 3.34 | 2.84 - 3.86 | 3.352 | 0.080 | -0.2 | Acceptable |
| **Glucose (mg/dL) **** | CH-01 | 61 | 55 - 69 | 61.9 | 1.6 | -0.6 | Acceptable |
| Siemens Dimension / Siemens Dimension reagent | CH-02 | 52 | 46 - 59 | 52.3 | 1.5 | -0.2 | Acceptable |
| | CH-03 | 248 | 224 - 275 | 249.9 | 4.8 | -0.4 | Acceptable |
| | CH-04 | 130 | 118 - 145 | 131.8 | 2.6 | -0.7 | Acceptable |
| | CH-05 | 168 | 153 - 189 | 171.1 | 3.3 | -0.9 | Acceptable |
| **Iron, Total (ug/dL) **** | CH-01 | 148 | 119 - 180 | 149.6 | 2.3 | -0.7 | Acceptable |
| Siemens Dimension / Siemens Dimension reagent | CH-02 | 32 | 25 - 39 | 32.0 | 1.4 | 0.0 | Acceptable |
| | CH-03 | 210 | 168 - 253 | 210.7 | 2.9 | -0.2 | Acceptable |
| | CH-04 | 102 | 83 - 125 | 103.8 | 1.8 | -1.0 | Acceptable |
| | CH-05 | 138 | 111 - 168 | 139.3 | 2.2 | -0.6 | Acceptable |
| **Magnesium (mg/dL) **** | CH-01 | 1.3 | 0.9 - 1.7 | 1.29 | 0.07 | 0.1 | Acceptable |
| Siemens Dimension / Siemens Dimension reagent | CH-02 | 1.0 | 0.7 - 1.2 | 0.95 | 0.07 | 0.7 | Acceptable |
| | CH-03 | 4.5 | 3.3 - 5.5 | 4.40 | 0.11 | 0.9 | Acceptable |
| | CH-04 | 2.4 | 1.7 - 3.0 | 2.34 | 0.08 | 0.8 | Acceptable |
| | CH-05 | 3.0 | 2.2 - 3.8 | 3.02 | 0.09 | -0.2 | Acceptable |

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**Comparative Evaluation**
**2018 Chemistry - Core - 1st Event**

Customer No: 26618 Kit No: 1
CLIA No: 43D0407296
Address: Heather Hall - Laboratory
Brown Clinic
506 1st Avenue NE
Watertown, SD 57201

## CHEMISTRY - continued

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **Phosphorus (mg/dL)** | CH-01 | 2.2 | 2.0 - 2.5 | 2.26 | 0.12 | -0.5 | Acceptable |
| Siemens Dimension / S Dimension new | CH-02 | 1.6 | 1.5 - 1.9 | 1.71 | 0.09 | -1.2 | Acceptable |
| PHOS DF61A | CH-03 | 6.1 | 5.8 - 6.6 | 6.18 | 0.19 | -0.4 | Acceptable |
| | CH-04 | 3.5 | 3.2 - 3.8 | 3.54 | 0.13 | -0.3 | Acceptable |
| | CH-05 | 4.3 | 4.1 - 4.7 | 4.42 | 0.14 | -0.9 | Acceptable |
| **Potassium (mmol/L) **** | CH-01 | 2.4 | 1.9 - 3.0 | 2.42 | 0.04 | -0.5 | Acceptable |
| Siemens Dimensn QuikLYTE- EXL | CH-02 | 2.3 | 1.8 - 2.9 | 2.38 | 0.04 | -2.0 | Acceptable |
| | CH-03 | 6.6 | 6.0 - 7.1 | 6.56 | 0.07 | 0.6 | Acceptable |
| | CH-04 | 4.0 | 3.5 - 4.6 | 4.04 | 0.05 | -0.8 | Acceptable |
| | CH-05 | 4.9 | 4.3 - 5.4 | 4.88 | 0.06 | 0.3 | Acceptable |
| **Sodium (mmol/L) **** | CH-01 | 127 | 123 - 132 | 127.9 | 1.4 | -0.6 | Acceptable |
| Siemens Dimensn QuikLYTE- EXL | CH-02 | 118 | 113 - 122 | 117.9 | 1.2 | 0.1 | Acceptable |
| | CH-03 | 162 | 156 - 165 | 160.5 | 1.5 | 1.0 | Acceptable |
| | CH-04 | 134 | 130 - 139 | 134.8 | 1.3 | -0.6 | Acceptable |
| | CH-05 | 143 | 139 - 148 | 143.2 | 1.4 | -0.1 | Acceptable |
| **TIBC, measured (ug/dL)** | CH-01 | 497 | 464 - 514 | 489.2 | 12.2 | 0.6 | Acceptable |
| Siemens Dimension / Siemens Dimension | CH-02 | 98 | 59 - 96 | 77.8 | 9.1 | 2.2 | Unacceptable |
| IBCT DF84 | CH-03 | 404 | 371 - 412 | 391.5 | 9.9 | 1.3 | Acceptable |
| | CH-04 | 217 | 184 - 221 | 202.3 | 9.0 | 1.6 | Acceptable |
| | CH-05 | 281 | 247 - 283 | 265.2 | 8.9 | 1.8 | Acceptable |
| **Total Protein (g/dL) **** | CH-01 | 10.0 | 9.1 - 11.2 | 10.12 | 0.17 | -0.7 | Acceptable |
| Siemens Dimension / Siemens Dimension | CH-02 | 2.6 | 2.4 - 3.0 | 2.67 | 0.08 | -0.9 | Acceptable |
| reagent | CH-03 | 8.6 | 7.8 - 9.6 | 8.71 | 0.15 | -0.7 | Acceptable |
| | CH-04 | 5.0 | 4.5 - 5.7 | 5.11 | 0.10 | -1.1 | Acceptable |
| | CH-05 | 6.2 | 5.6 - 7.0 | 6.30 | 0.11 | -0.9 | Acceptable |
| **Triglycerides (mg/dL) **** | CH-01 | 138 | 100 - 167 | 133.5 | 2.7 | 1.7 | Acceptable |
| Siemens Dimension / Siemens Dimension | CH-02 | 94 | 66 - 111 | 88.5 | 2.3 | 2.4 | Acceptable |
| TGL | CH-03 | 251 | 180 - 301 | 240.8 | 4.9 | 2.1 | Acceptable |
| | CH-04 | 155 | 112 - 189 | 150.5 | 3.3 | 1.4 | Acceptable |
| | CH-05 | 182 | 135 - 227 | 180.9 | 3.8 | 0.3 | Acceptable |
| **Urea Nitrogen / BUN (mg/dL) **** | CH-01 | 6 | 4 - 9 | 6.5 | 0.8 | -0.6 | Acceptable |
| Siemens Dimension / Siemens Dimension | CH-02 | 6 | 4 - 9 | 6.1 | 0.8 | -0.1 | Acceptable |
| reagent | CH-03 | 45 | 40 - 49 | 44.9 | 1.4 | 0.1 | Acceptable |
| | CH-04 | 21 | 19 - 24 | 21.6 | 0.9 | -0.7 | Acceptable |
| | CH-05 | 29 | 26 - 33 | 29.4 | 1.1 | -0.4 | Acceptable |
| **Uric Acid (mg/dL) **** | CH-01 | 1.9 | 1.5 - 2.2 | 1.87 | 0.11 | 0.3 | Acceptable |
| Siemens Dimension / Siemens Dimension | CH-02 | 1.7 | 1.4 - 2.1 | 1.77 | 0.09 | -0.8 | Acceptable |
| reagent | CH-03 | 10.8 | 9.0 - 12.8 | 10.91 | 0.34 | -0.3 | Acceptable |
| | CH-04 | 5.4 | 4.5 - 6.4 | 5.43 | 0.14 | -0.2 | Acceptable |
| | CH-05 | 7.1 | 6.0 - 8.5 | 7.26 | 0.17 | -0.9 | Acceptable |

## CHEMISTRY (ENDOCRINOLOGY)

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **Free Thyroxine (ng/dL) **** | CH-01 | 1.1 | 0.9 - 1.3 | 1.10 | 0.05 | 0.0 | Acceptable |
| Siemens Dimension EXL / Siemens | CH-02 | 5.0 | 4.4 - 6.4 | 5.41 | 0.32 | -1.3 | Acceptable |
| Dimension EXL LOCI | CH-03 | 4.3 | 3.6 - 5.1 | 4.35 | 0.22 | -0.2 | Acceptable |
| | CH-04 | 4.5 | 4.0 - 5.4 | 4.69 | 0.22 | -0.9 | Acceptable |
| | CH-05 | 4.3 | 3.8 - 5.2 | 4.48 | 0.22 | -0.8 | Acceptable |

## CHEMISTRY (ENDOCRINOLOGY) - continued

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **Thyroid Stimulating Hormone (uU/mL) **** | CH-01 | 2.69 | 2.22 - 2.95 | 2.581 | 0.120 | 0.9 | Acceptable |
| Siemens Dimension EXL / Siemens | CH-02 | 0.54 | 0.43 - 0.61 | 0.517 | 0.028 | 0.8 | Acceptable |
| Dimension EXL LOCI | CH-03 | 7.84 | 6.41 - 8.48 | 7.448 | 0.343 | 1.1 | Acceptable |
| | CH-04 | 3.73 | 3.05 - 4.09 | 3.571 | 0.171 | 0.9 | Acceptable |
| | CH-05 | 5.21 | 4.24 - 5.65 | 4.945 | 0.232 | 1.1 | Acceptable |

## CHEMISTRY (TDM)

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **Digoxin (ng/mL) **** | CH-01 | 0.5 | 0.2 - 0.7 | 0.47 | 0.07 | 0.4 | Acceptable |
| Siemens Dimension / Siemens Dimension | CH-02 | 0.7 | 0.5 - 1.0 | 0.71 | 0.07 | -0.1 | Acceptable |
| reagent | CH-03 | 2.8 | 2.2 - 3.5 | 2.85 | 0.13 | -0.4 | Acceptable |
| | CH-04 | 1.6 | 1.2 - 2.0 | 1.59 | 0.08 | 0.1 | Acceptable |
| | CH-05 | 2.1 | 1.6 - 2.5 | 2.02 | 0.09 | 0.9 | Acceptable |

## GLYCOHEMOGLOBIN

| Analyte / Method | Sample | Reported Result | Expected Result | Mean | SD | SDI | Grade |
|---|---|---|---|---|---|---|---|
| **Glycated Hemoglobin (%)** | GLY-01 | 11.8 | 9.5 - 14.3 | 11.91 | 0.33 | -0.3 | Acceptable |
| Siemens Dimension / Siemens Dimension (HB1C) | GLY-02 | 5.7 | 4.5 - 6.9 | 5.67 | 0.22 | 0.1 | Acceptable |

## SERUM HCG

| Analyte / Method | Sample | Reported Result | Expected Result | Grade |
|---|---|---|---|---|
| **HCG (serum-qual) **** | HCG-01 | Negative | Negative | Acceptable |
| Quidel QuickVue OS HCG Combo | HCG-02 | Positive | Positive | Acceptable |
| | HCG-03 | Positive | Positive | Acceptable |
| | HCG-04 | Positive | Positive | Acceptable |
| | HCG-05 | Negative | Negative | Acceptable |