Unity™

**February 2022 • 100297**

# Monthly Evaluation Report

Cardiac Markers Plus LT • 67650 • 30–Nov–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**! The tests listed below may require investigation or review !**

**Troponin–I** **Chemiluminescence** ng/L

Siemens Dimension EXL • Dimension EXL–183197 • TNIH REF RF627 : LOCI TNIH Cal REF RC627 – Unspecified *** – Unspecified ***

| Level | | | | Level | Lab | Peer | Method |
|---|---|---|---|---|---|---|---|
| Peer CVR | 1 | | No data submitted | Mean | --- | 104.8 | 141.9 |
| Method CVR | | | | SD | --- | 39.11 | 128.4 |
| Peer SDI | | | | CV | --- | 37.3 | 90.4 |
| Method SDI | | | | # Points | --- | 1282 | 16678 |
| | | | | # Labs | | 49 | 507 |
| Peer CVR | 2 | | No data submitted | Mean | --- | 4423 | 3782 |
| Method CVR | | | | SD | --- | 742.3 | 1998 |
| Peer SDI | | | | CV | --- | 16.8 | 52.8 |
| Method SDI | | | | # Points | --- | 2758 | 29286 |
| | | | | # Labs | | 88 | 733 |
| | 3 | | **Data Exclusion:** Lab Mean = 14069<br>Acceptable values are –774.697 to 8521.667<br>This data was not used as part of the Unity worldwide statistical database. | Mean | 14069 | 15278 | 13666 |
| | | | | SD | 500.1 | 2983 | 7460 |
| | | | | CV | 3.6 | 19.5 | 54.6 |
| | | | | # Points | 30 | 7367 | 39526 |
| | | | | # Labs | | 155 | 987 |
| Peer CVR | 4 | | No data submitted | Mean | --- | 136.5 | 289.7 |
| Method CVR | | | | SD | --- | 0.580 | 245.4 |
| Peer SDI | | | | CV | --- | 0.4 | 84.7 |
| Method SDI | | | | # Points | --- | 4 | 737 |
| | | | | # Labs | | 1 | 19 |
| Peer CVR | 5 | 0.5 | This level is within established parameters | Mean | 50.53 | 49.58 | 47.93 |
| Method CVR | | 0.1 | | SD | 2.63 | 5.05 | 23.26 |
| Peer SDI | | 0.19 | | CV | 5.2 | 10.2 | 48.5 |
| Method SDI | | 0.11 | | # Points | 29 | 2861 | 22812 |
| | | | | # Labs | | 89 | 489 |
| Peer CVR | 6 | | No data submitted | Mean | --- | 117.2 | 169.8 |
| Method CVR | | | | SD | --- | 29.45 | 104.8 |
| Peer SDI | | | | CV | --- | 25.1 | 61.7 |
| Method SDI | | | | # Points | --- | 487 | 4190 |
| | | | | # Labs | | 18 | 117 |

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

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# Laboratory Comparison Report

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Bell Hospital
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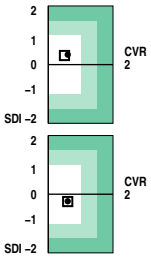
Attention: Gerry Brown
Lab

## CK–MB Mass EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • LMMB REF RF520 : MMB Cal REF RC420 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 3 | 0.6 | 0.6 |
| □Method CVR | 3 | 0.5 | 0.6 |
| • Peer SDI | 3 | 0.34 | –0.29 |
| □Method SDI | 3 | 0.31 | –0.30 |
| • Peer CVR | 5 | 0.6 | 0.7 |
| □Method CVR | 5 | 0.6 | 0.7 |
| • Peer SDI | 5 | –0.24 | 0.48 |
| □Method SDI | 5 | –0.25 | 0.48 |
| Peer CVR | 6 | | 0.8 |
| Method CVR | 6 | | 0.8 |
| Peer SDI | 6 | | 0.61 |
| Method SDI | 6 | | 0.64 |







| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | EIA | |
| Mean | 3 | 63.20 | 61.99 | 61.86 | 63.30 | 61.95 | 63.36 |
| SD | 3 | 2.20 | 2.74 | 3.89 | 4.49 | 3.98 | 4.55 |
| CV | 3 | 3.5 | 4.4 | 6.3 | 7.1 | 6.4 | 7.2 |
| # Points | 3 | 30 | 399 | 2148 | 36118 | 4311 | 71914 |
| # Labs | 3 | | | 79 | 154 | 82 | 157 |
| Mean | 5 | 2.49 | 2.69 | 2.55 | 2.56 | 2.55 | 2.56 |
| SD | 5 | 0.146 | 0.178 | 0.248 | 0.257 | 0.251 | 0.257 |
| CV | 5 | 5.9 | 6.6 | 9.8 | 10.0 | 9.8 | 10.0 |
| # Points | 5 | 29 | 217 | 463 | 6665 | 897 | 13113 |
| # Labs | 5 | | | 13 | 37 | 13 | 37 |
| Mean | 6 | –– | 2.76 | 2.59 | 2.61 | 2.59 | 2.61 |
| SD | 6 | –– | 0.214 | 0.338 | 0.247 | 0.337 | 0.247 |
| CV | 6 | –– | 7.7 | 13.0 | 9.5 | 13.0 | 9.5 |
| # Points | 6 | –– | 279 | 106 | 2795 | 212 | 5311 |
| # Labs | 6 | | | 6 | 19 | 6 | 19 |

## CRP, High Sensitivity EIA mg/L

Siemens Dimension EXL • Dimension EXL–183197 • CCRP REF RF434 : CCRP Cal REF RC434 – Unspecified *** – Unspecified ***

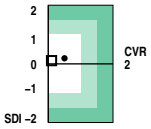
| Level | | Mon | Cum |
|---|---|---|---|
| Peer CVR | 3 | | 0.6 |
| Method CVR | 3 | | 0.6 |
| Peer SDI | 3 | | –0.04 |
| Method SDI | 3 | | –0.04 |
| Peer CVR | 6 | | 0.5 |
| Method CVR | 6 | | 0.5 |
| Peer SDI | 6 | | 0.92 |
| Method SDI | 6 | | 0.92 |

| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | EIA | |
| Mean | 3 | –– | 6.84 | 6.74 | 6.86 | 6.74 | 6.86 |
| SD | 3 | –– | 0.170 | 0.283 | 0.292 | 0.283 | 0.292 |
| CV | 3 | –– | 2.5 | 4.2 | 4.3 | 4.2 | 4.3 |
| # Points | 3 | –– | 40 | 247 | 3597 | 247 | 3597 |
| # Labs | 3 | | | 13 | 21 | 13 | 21 |
| Mean | 6 | –– | 0.880 | 0.833 | 0.819 | 0.833 | 0.819 |
| SD | 6 | –– | 0.037 | 0.035 | 0.066 | 0.035 | 0.066 |
| CV | 6 | –– | 4.2 | 4.2 | 8.1 | 4.2 | 8.1 |
| # Points | 6 | –– | 41 | 69 | 1122 | 69 | 1122 |
| # Labs | 6 | | | 3 | 5 | 3 | 5 |

## Troponin–I Chemiluminescence ng/L

Siemens Dimension EXL • Dimension EXL–183197 • TNIH REF RF627 : LOCI TNIH Cal REF RC627 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 5 | 0.5 | 0.3 |
| □Method CVR | 5 | 0.1 | 0.0 |
| • Peer SDI | 5 | 0.19 | 0.35 |
| □Method SDI | 5 | 0.11 | –0.03 |




| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 5 | 50.53 | 49.20 | 49.58 | 45.63 | 47.93 | 58.95 |
| SD | 5 | 2.63 | 3.12 | 5.05 | 10.29 | 23.26 | 385.1 |
| CV | 5 | 5.2 | 6.3 | 10.2 | 22.6 | 48.5 | 653.4 |
| # Points | 5 | 29 | 157 | 2861 | 28811 | 22812 | 199K |
| # Labs | 5 | | | 89 | 169 | 489 | 783 |

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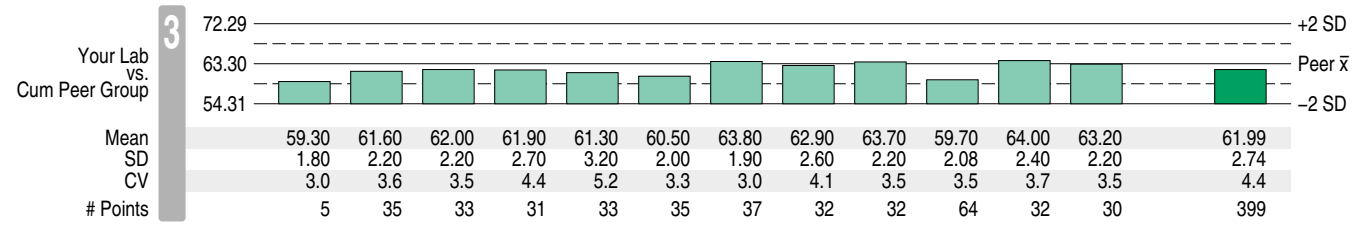
# Laboratory Histogram

Cardiac Markers Plus LT • Lot 67650 • Exp 30–Nov–2023

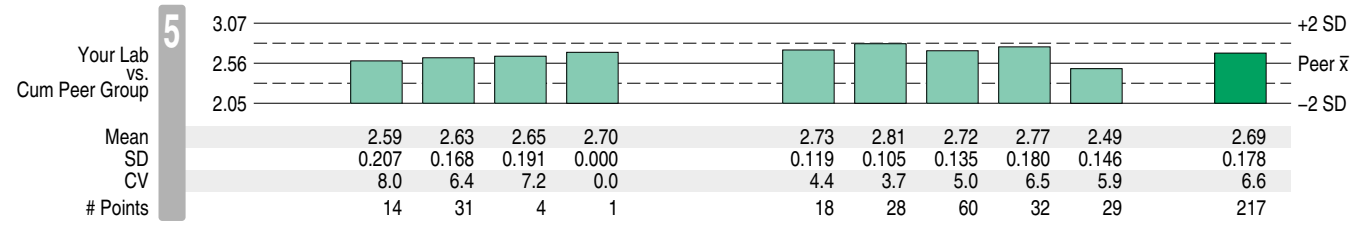
Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## CK–MB Mass EIA ng/mL

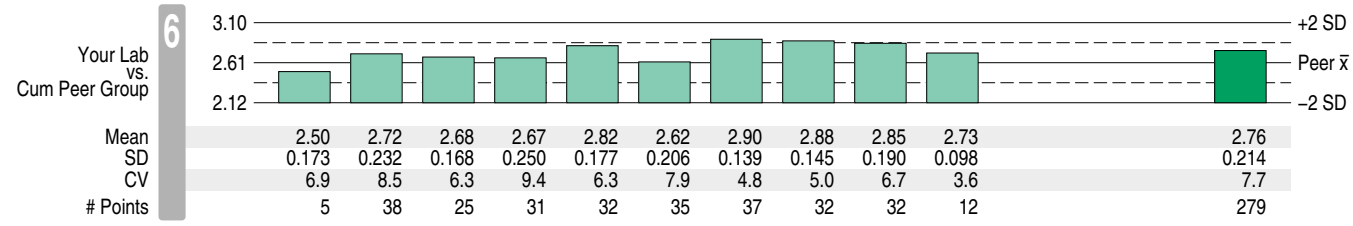
Siemens Dimension EXL • Dimension EXL–183197 • LMMB REF RF520 : MMB Cal REF RC420 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 59.30 | 61.60 | 62.00 | 61.90 | 61.30 | 60.50 | 63.80 | 62.90 | 63.70 | 59.70 | 64.00 | 63.20 | 61.99 |
| SD | 1.80 | 2.20 | 2.20 | 2.70 | 3.20 | 2.00 | 1.90 | 2.60 | 2.20 | 2.08 | 2.40 | 2.20 | 2.74 |
| CV | 3.0 | 3.6 | 3.5 | 4.4 | 5.2 | 3.3 | 3.0 | 4.1 | 3.5 | 3.5 | 3.7 | 3.5 | 4.4 |
| # Points | 5 | 35 | 33 | 31 | 33 | 35 | 37 | 32 | 32 | 64 | 32 | 30 | 399 |



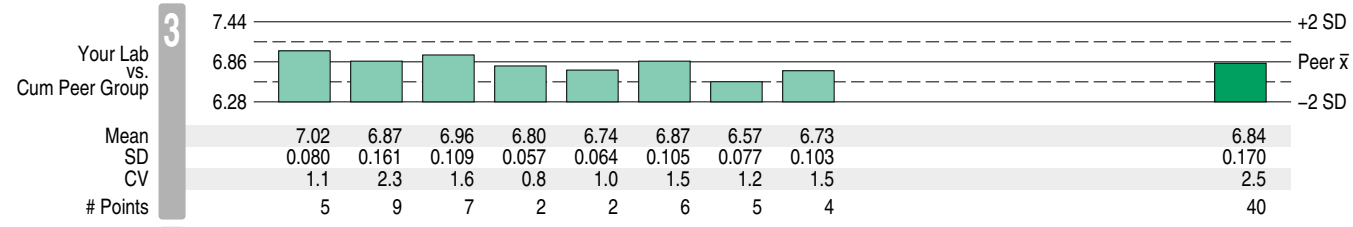

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 2.59 | 2.63 | 2.65 | 2.70 | | | 2.73 | 2.81 | 2.72 | 2.77 | 2.49 | 2.69 |
| SD | | 0.207 | 0.168 | 0.191 | 0.000 | | | 0.119 | 0.105 | 0.135 | 0.180 | 0.146 | 0.178 |
| CV | | 8.0 | 6.4 | 7.2 | 0.0 | | | 4.4 | 3.7 | 5.0 | 6.5 | 5.9 | 6.6 |
| # Points | | 14 | 31 | 4 | 1 | | | 18 | 28 | 60 | 32 | 29 | 217 |



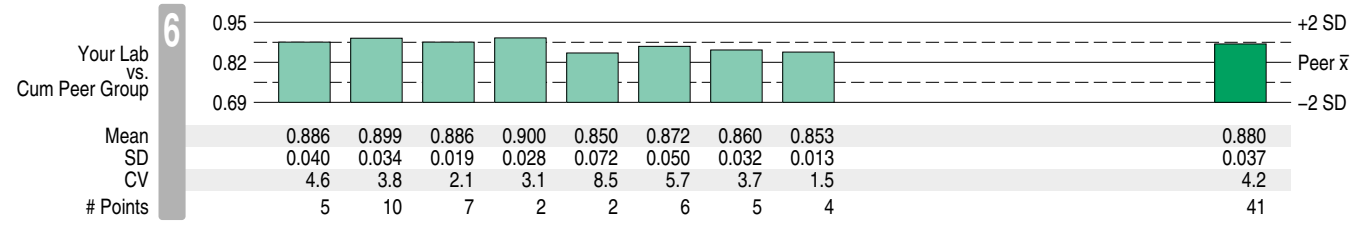

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 2.50 | 2.72 | 2.68 | 2.67 | 2.82 | 2.62 | 2.90 | 2.88 | 2.85 | 2.73 | | | 2.76 |
| SD | 0.173 | 0.232 | 0.168 | 0.250 | 0.177 | 0.206 | 0.139 | 0.145 | 0.190 | 0.098 | | | 0.214 |
| CV | 6.9 | 8.5 | 6.3 | 9.4 | 6.3 | 7.9 | 4.8 | 5.0 | 6.7 | 3.6 | | | 7.7 |
| # Points | 5 | 38 | 25 | 31 | 32 | 35 | 37 | 32 | 32 | 12 | | | 279 |

## CRP, High Sensitivity EIA mg/L

Siemens Dimension EXL • Dimension EXL–183197 • CCRP REF RF434 : CCRP Cal REF RC434 – Unspecified *** – Unspecified ***



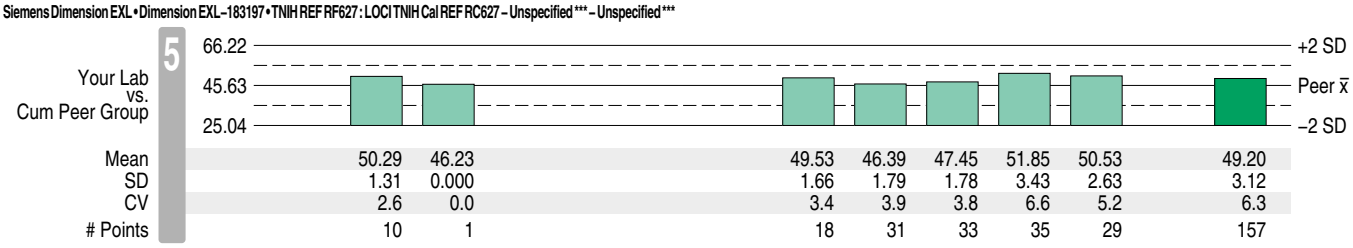

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 7.02 | 6.87 | 6.96 | 6.80 | 6.74 | 6.87 | 6.57 | 6.73 | | | | | 6.84 |
| SD | 0.080 | 0.161 | 0.109 | 0.057 | 0.064 | 0.105 | 0.077 | 0.103 | | | | | 0.170 |
| CV | 1.1 | 2.3 | 1.6 | 0.8 | 1.0 | 1.5 | 1.2 | 1.5 | | | | | 2.5 |
| # Points | 5 | 9 | 7 | 2 | 2 | 6 | 5 | 4 | | | | | 40 |




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 0.886 | 0.899 | 0.886 | 0.900 | 0.850 | 0.872 | 0.860 | 0.853 | | | | | 0.880 |
| SD | 0.040 | 0.034 | 0.019 | 0.028 | 0.072 | 0.050 | 0.032 | 0.013 | | | | | 0.037 |
| CV | 4.6 | 3.8 | 2.1 | 3.1 | 8.5 | 5.7 | 3.7 | 1.5 | | | | | 4.2 |
| # Points | 5 | 10 | 7 | 2 | 2 | 6 | 5 | 4 | | | | | 41 |

## Troponin–I Chemiluminescence ng/L

Siemens Dimension EXL • Dimension EXL–183197 • TNIH REF RF627 : LOCI TNIH Cal REF RC627 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 50.29 | 46.23 | | | | | 49.53 | 46.39 | 47.45 | 51.85 | 50.53 | 49.20 |
| SD | | 1.31 | 0.000 | | | | | 1.66 | 1.79 | 1.78 | 3.43 | 2.63 | 3.12 |
| CV | | 2.6 | 0.0 | | | | | 3.4 | 3.9 | 3.8 | 6.6 | 5.2 | 6.3 |
| # Points | | 10 | 1 | | | | | 18 | 31 | 33 | 35 | 29 | 157 |

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# Monthly Evaluation Report

Cardiac Markers Plus LT • 67660 • 31–Mar–2024

Bell Hospital
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Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

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# Laboratory Comparison Report

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Attention: Gerry Brown
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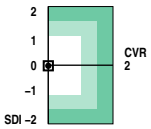
## CK–MB Mass EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • LMMB REF RF520 : MMB Cal REF RC420 – Unspecified *** – Unspecified ***

| Level | Mon | Cum |
|---|---|---|
| **3** | | |
| Peer CVR | | 0.0 |
| Method CVR | | 0.0 |
| Peer SDI | | –0.15 |
| Method SDI | | –0.16 |
| **5** | | |
| • Peer CVR | 0.0 | 0.3 |
| □Method CVR | 0.0 | 0.3 |
| • Peer SDI | –0.02 | 0.29 |
| □Method SDI | –0.02 | 0.29 |




| | Your Lab | | Peer Group | | Method Group | |
|---|---|---|---|---|---|---|
| Level | Mon | Cum | Mon | Cum | Mon | Cum |
| | | | Siemens Dimension Series | | EIA | |
| **3** | | | | | | |
| Mean | –– | 59.28 | 59.02 | 59.84 | 59.02 | 59.85 |
| SD | –– | 0.000 | 3.49 | 3.65 | 3.50 | 3.65 |
| CV | –– | 0.0 | 5.9 | 6.1 | 5.9 | 6.1 |
| # Points | –– | 1 | 4414 | 27097 | 8830 | 54197 |
| # Labs | | | 183 | 237 | 184 | 239 |
| **5** | | | | | | |
| Mean | 2.40 | 2.45 | 2.40 | 2.38 | 2.40 | 2.38 |
| SD | 0.000 | 0.071 | 0.225 | 0.242 | 0.225 | 0.242 |
| CV | 0.0 | 2.9 | 9.4 | 10.2 | 9.4 | 10.2 |
| # Points | 1 | 2 | 2643 | 15320 | 5285 | 30638 |
| # Labs | | | 115 | 137 | 115 | 137 |

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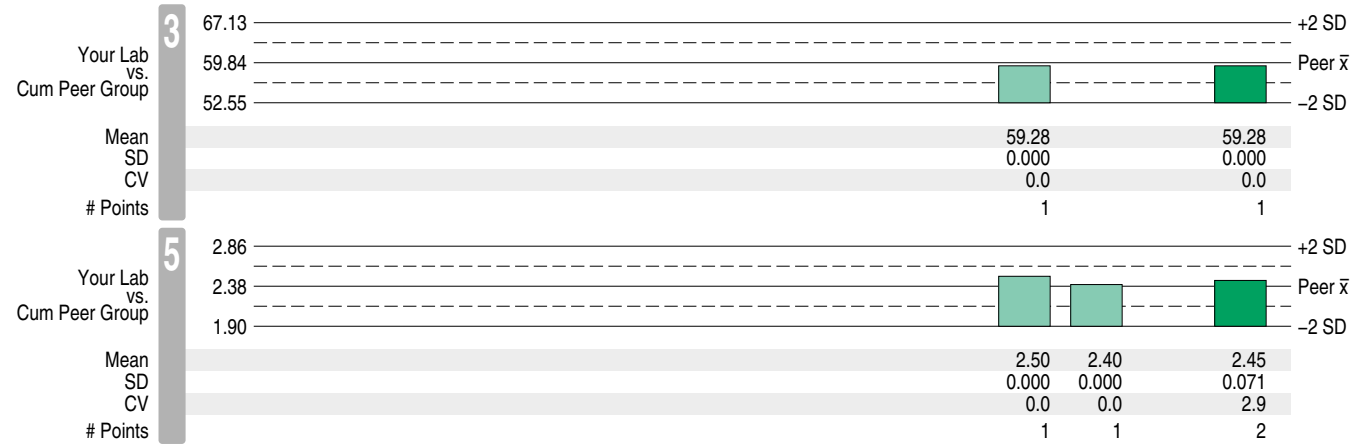
**CK–MB Mass** **EIA** ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • LMMB REF RF520 : MMB Cal REF RC420 – Unspecified *** – Unspecified ***

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# Monthly Evaluation Report

Diabetes (Liquichek) • 55760 • 30–Nov–2023

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**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown

Date: 4/15/2022 3:04:31 PM

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# Laboratory Comparison Report

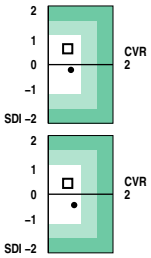
Diabetes (Liquichek) • 55760 • 30–Nov–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Hemoglobin A1c — Immunoturbidimetric — %

Siemens Dimension EXL • Dimension EXL–183197 • A1C REF DF105B : A1C Cal REF DF105B – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.7 | 0.7 |
| □Method CVR | 1 | 0.6 | 0.6 |
| • Peer SDI | 1 | –0.18 | 0.26 |
| □Method SDI | 1 | 0.54 | 0.51 |
| • Peer CVR | 2 | 0.8 | 0.7 |
| □Method CVR | 2 | 0.6 | 0.4 |
| • Peer SDI | 2 | –0.37 | –0.06 |
| □Method SDI | 2 | 0.37 | 0.26 |







| | | Your Lab Mon | Your Lab Cum | Peer Group (Siemens Dimension Series) Mon | Peer Group (Siemens Dimension Series) Cum | Method Group (Immunoturbidimetric) Mon | Method Group (Immunoturbidimetric) Cum |
|---|---|---|---|---|---|---|---|
| Mean | 1 | 5.30 | 5.34 | 5.35 | 5.27 | 5.16 | 5.18 |
| SD | 1 | 0.171 | 0.189 | 0.231 | 0.254 | 0.273 | 0.316 |
| CV | 1 | 3.2 | 3.5 | 4.3 | 4.8 | 5.3 | 6.1 |
| # Points | 1 | 30 | 228 | 918 | 10010 | 9195 | 86593 |
| # Labs | 1 | | | 39 | 70 | 225 | 371 |
| Mean | 2 | 9.53 | 9.59 | 9.61 | 9.61 | 9.42 | 9.47 |
| SD | 2 | 0.178 | 0.181 | 0.234 | 0.275 | 0.279 | 0.498 |
| CV | 2 | 1.9 | 1.9 | 2.4 | 2.9 | 3.0 | 5.3 |
| # Points | 2 | 28 | 230 | 647 | 8202 | 5671 | 59694 |
| # Labs | 2 | | | 31 | 58 | 146 | 247 |

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.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**February 2022 • 100297**

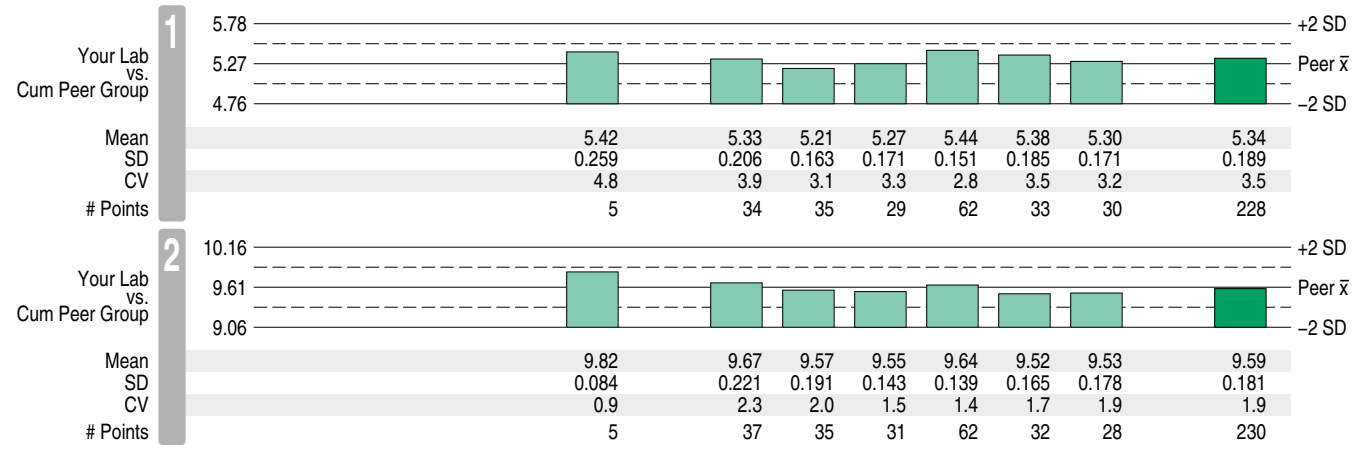
# Laboratory Histogram

Diabetes (Liquichek) • Lot 55760 • Exp 30–Nov–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

**Hemoglobin A1c** **Immunoturbidimetric** %

**Siemens Dimension EXL • Dimension EXL–183197 • A1C REF DF105B : A1C Cal REF DF105B – Unspecified *** – Unspecified *****




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | | | | | 5.42 | | 5.33 | 5.21 | 5.27 | 5.44 | 5.38 | 5.30 | 5.34 |
| 1 SD | | | | | 0.259 | | 0.206 | 0.163 | 0.171 | 0.151 | 0.185 | 0.171 | 0.189 |
| 1 CV | | | | | 4.8 | | 3.9 | 3.1 | 3.3 | 2.8 | 3.5 | 3.2 | 3.5 |
| 1 # Points | | | | | 5 | | 34 | 35 | 29 | 62 | 33 | 30 | 228 |
| 2 Mean | | | | | 9.82 | | 9.67 | 9.57 | 9.55 | 9.64 | 9.52 | 9.53 | 9.59 |
| 2 SD | | | | | 0.084 | | 0.221 | 0.191 | 0.143 | 0.139 | 0.165 | 0.178 | 0.181 |
| 2 CV | | | | | 0.9 | | 2.3 | 2.0 | 1.5 | 1.4 | 1.7 | 1.9 | 1.9 |
| 2 # Points | | | | | 5 | | 37 | 35 | 31 | 62 | 32 | 28 | 230 |

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**February 2022 • 100297**

# Monthly Evaluation Report

Ethanol/Ammonia • 54340 • 30–Sep–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

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**February 2022 • 100297**

# Laboratory Comparison Report

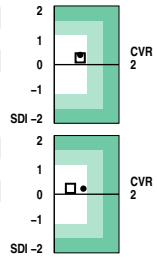
Ethanol/Ammonia • 54340 • 30–Sep–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Ammonia Enzymatic Âµmol/L

Siemens Dimension EXL • Dimension EXL–183197 • AMM REF DF119 : CHEM III Cal REF DC130 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.8 | 0.8 |
| □Method CVR | 1 | 0.8 | 0.8 |
| • Peer SDI | 1 | 0.33 | 0.13 |
| □Method SDI | 1 | 0.23 | –0.03 |
| • Peer CVR | 3 | 0.9 | 0.8 |
| □Method CVR | 3 | 0.5 | 0.5 |
| • Peer SDI | 3 | 0.19 | –0.10 |
| □Method SDI | 3 | 0.20 | –0.11 |

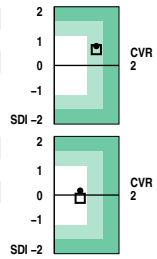



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Enzymatic | |
| Mean | 1 | 48.83 | 46.30 | 46.88 | 45.51 | 47.42 | 46.51 |
| SD | 1 | 4.89 | 4.75 | 5.87 | 6.18 | 6.24 | 6.11 |
| CV | 1 | 10.0 | 10.3 | 12.5 | 13.6 | 13.2 | 13.1 |
| # Points | 1 | 11 | 100 | 5372 | 65930 | 45838 | 531K |
| # Labs | 1 | | | 259 | 372 | 1375 | 1994 |
| Mean | 3 | 304.1 | 295.1 | 300.9 | 297.0 | 298.0 | 298.4 |
| SD | 3 | 16.17 | 14.65 | 17.33 | 18.63 | 29.87 | 29.93 |
| CV | 3 | 5.3 | 5.0 | 5.8 | 6.3 | 10.0 | 10.0 |
| # Points | 3 | 11 | 99 | 4681 | 55040 | 35811 | 415K |
| # Labs | 3 | | | 222 | 318 | 1058 | 1566 |

## Ethanol (Alcohol) Enzymatic UV mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • ETOH REF DF22 : CHEM III Cal REF DC130 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 1.3 | 1.1 |
| □Method CVR | 1 | 1.3 | 1.0 |
| • Peer SDI | 1 | 0.66 | 0.28 |
| □Method SDI | 1 | 0.54 | 0.46 |
| • Peer CVR | 3 | 0.8 | 0.7 |
| □Method CVR | 3 | 0.8 | 0.7 |
| • Peer SDI | 3 | 0.15 | 0.50 |
| □Method SDI | 3 | –0.11 | 0.79 |




| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Enzymatic UV | |
| Mean | 1 | 40.53 | 40.57 | 38.84 | 39.83 | 39.08 | 39.26 |
| SD | 1 | 3.50 | 3.06 | 2.56 | 2.63 | 2.67 | 2.90 |
| CV | 1 | 8.6 | 7.5 | 6.6 | 6.6 | 6.8 | 7.4 |
| # Points | 1 | 15 | 179 | 4922 | 61868 | 62981 | 737K |
| # Labs | 1 | | | 220 | 312 | 1253 | 1768 |
| Mean | 3 | 253.1 | 264.6 | 251.5 | 258.5 | 254.3 | 255.2 |
| SD | 3 | 8.40 | 8.71 | 11.08 | 12.03 | 10.86 | 11.92 |
| CV | 3 | 3.3 | 3.3 | 4.4 | 4.7 | 4.3 | 4.7 |
| # Points | 3 | 14 | 175 | 4435 | 53288 | 52915 | 613K |
| # Labs | 3 | | | 192 | 268 | 1047 | 1475 |

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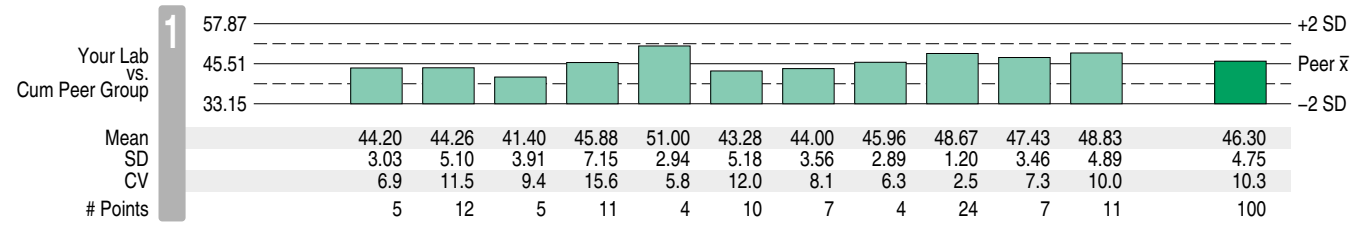
# Laboratory Histogram

Ethanol/Ammonia • Lot 54340 • Exp 30–Sep–2022

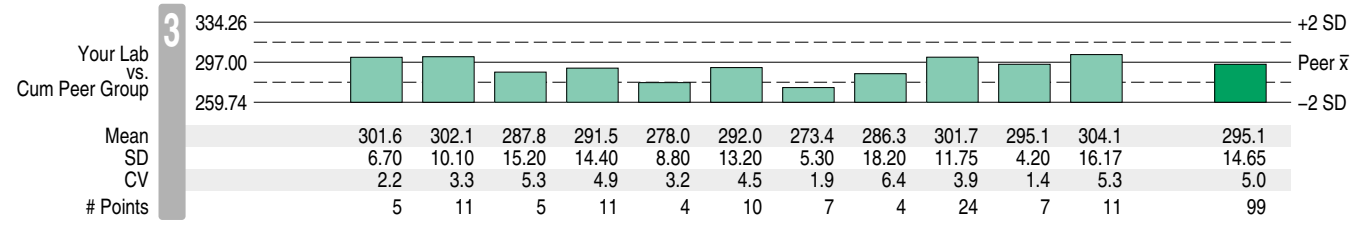
Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Ammonia Enzymatic Âµmol/L

Siemens Dimension EXL • Dimension EXL–183197 • AMM REF DF119 : CHEM III Cal REF DC130 – Unspecified *** – Unspecified ***



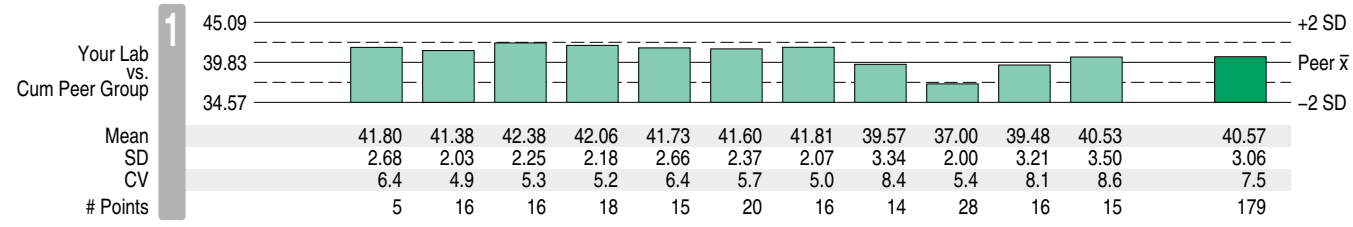

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 44.20 | 44.26 | 41.40 | 45.88 | 51.00 | 43.28 | 44.00 | 45.96 | 48.67 | 47.43 | 48.83 | 46.30 |
| SD | | 3.03 | 5.10 | 3.91 | 7.15 | 2.94 | 5.18 | 3.56 | 2.89 | 1.20 | 3.46 | 4.89 | 4.75 |
| CV | | 6.9 | 11.5 | 9.4 | 15.6 | 5.8 | 12.0 | 8.1 | 6.3 | 2.5 | 7.3 | 10.0 | 10.3 |
| # Points | | 5 | 12 | 5 | 11 | 4 | 10 | 7 | 4 | 24 | 7 | 11 | 100 |



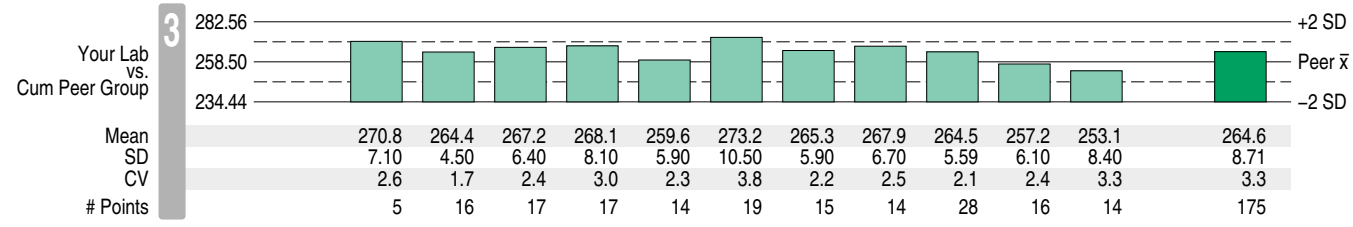

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 301.6 | 302.1 | 287.8 | 291.5 | 278.0 | 292.0 | 273.4 | 286.3 | 301.7 | 295.1 | 304.1 | 295.1 |
| SD | | 6.70 | 10.10 | 15.20 | 14.40 | 8.80 | 13.20 | 5.30 | 18.20 | 11.75 | 4.20 | 16.17 | 14.65 |
| CV | | 2.2 | 3.3 | 5.3 | 4.9 | 3.2 | 4.5 | 1.9 | 6.4 | 3.9 | 1.4 | 5.3 | 5.0 |
| # Points | | 5 | 11 | 5 | 11 | 4 | 10 | 7 | 4 | 24 | 7 | 11 | 99 |

## Ethanol (Alcohol) Enzymatic UV mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • ETOH REF DF22 : CHEM III Cal REF DC130 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 41.80 | 41.38 | 42.38 | 42.06 | 41.73 | 41.60 | 41.81 | 39.57 | 37.00 | 39.48 | 40.53 | 40.57 |
| SD | | 2.68 | 2.03 | 2.25 | 2.18 | 2.66 | 2.37 | 2.07 | 3.34 | 2.00 | 3.21 | 3.50 | 3.06 |
| CV | | 6.4 | 4.9 | 5.3 | 5.2 | 6.4 | 5.7 | 5.0 | 8.4 | 5.4 | 8.1 | 8.6 | 7.5 |
| # Points | | 5 | 16 | 16 | 18 | 15 | 20 | 16 | 14 | 28 | 16 | 15 | 179 |




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 270.8 | 264.4 | 267.2 | 268.1 | 259.6 | 273.2 | 265.3 | 267.9 | 264.5 | 257.2 | 253.1 | 264.6 |
| SD | | 7.10 | 4.50 | 6.40 | 8.10 | 5.90 | 10.50 | 5.90 | 6.70 | 5.59 | 6.10 | 8.40 | 8.71 |
| CV | | 2.6 | 1.7 | 2.4 | 3.0 | 2.3 | 3.8 | 2.2 | 2.5 | 2.1 | 2.4 | 3.3 | 3.3 |
| # Points | | 5 | 16 | 17 | 17 | 14 | 19 | 15 | 14 | 28 | 16 | 14 | 175 |

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**February 2022 • 100297**

# Monthly Evaluation Report

Immunoassay Plus • 85230 • 28–Feb–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

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# Laboratory Comparison Report

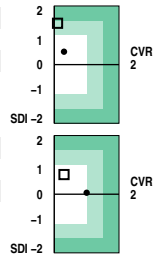
Immunoassay Plus • 85230 • 28–Feb–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Acetaminophen — Enzymatic, colorimetric — Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • ACTM REF DF88 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***

| | Level | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.3 | 1.0 |
| □Method CVR | 1 | 0.1 | 0.3 |
| • Peer SDI | 1 | 0.44 | 0.13 |
| □Method SDI | 1 | 1.41 | 0.86 |
| • Peer CVR | 3 | 1.0 | 0.7 |
| □Method CVR | 3 | 0.3 | 0.3 |
| • Peer SDI | 3 | 0.05 | –0.40 |
| □Method SDI | 3 | 0.67 | 0.32 |

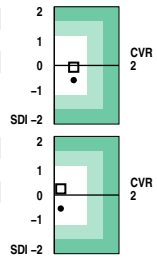



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Enzymatic, colorimetric | |
| Mean | 1 | 18.93 | 17.59 | 18.39 | 17.43 | 13.28 | 14.14 |
| SD | 1 | 0.380 | 1.35 | 1.21 | 1.34 | 4.00 | 4.01 |
| CV | 1 | 2.0 | 7.7 | 6.6 | 7.7 | 30.1 | 28.4 |
| # Points | 1 | 4 | 158 | 769 | 45776 | 2674 | 148K |
| # Labs | 1 | | | 40 | 170 | 137 | 496 |
| Mean | 3 | 113.1 | 112.4 | 113.0 | 113.3 | 109.2 | 110.6 |
| SD | 3 | 1.97 | 1.67 | 1.90 | 2.33 | 5.84 | 5.62 |
| CV | 3 | 1.7 | 1.5 | 1.7 | 2.1 | 5.3 | 5.1 |
| # Points | 3 | 4 | 159 | 751 | 44834 | 2820 | 149K |
| # Labs | 3 | | | 41 | 166 | 146 | 511 |

## Carbamazepine (Tegretol) — Immunoturbidimetric — Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • CRBM REF DF87 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***

| | Level | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.6 | 0.7 |
| □Method CVR | 1 | 0.6 | 0.6 |
| • Peer SDI | 1 | –0.50 | –0.03 |
| □Method SDI | 1 | –0.06 | 0.13 |
| • Peer CVR | 3 | 0.2 | 0.7 |
| □Method CVR | 3 | 0.2 | 0.5 |
| • Peer SDI | 3 | –0.46 | –0.24 |
| □Method SDI | 3 | 0.21 | –0.06 |

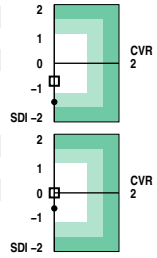



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| Mean | 1 | 2.60 | 2.70 | 2.72 | 2.71 | 2.62 | 2.67 |
| SD | 1 | 0.141 | 0.131 | 0.230 | 0.194 | 0.249 | 0.233 |
| CV | 1 | 5.4 | 4.9 | 8.5 | 7.2 | 9.5 | 8.7 |
| # Points | 1 | 2 | 37 | 247 | 16792 | 1095 | 71203 |
| # Labs | 1 | | | 17 | 74 | 63 | 301 |
| Mean | 3 | 11.80 | 12.00 | 12.11 | 12.13 | 11.63 | 12.05 |
| SD | 3 | 0.141 | 0.352 | 0.669 | 0.536 | 0.794 | 0.705 |
| CV | 3 | 1.2 | 2.9 | 5.5 | 4.4 | 6.8 | 5.9 |
| # Points | 3 | 2 | 37 | 231 | 16426 | 1052 | 70410 |
| # Labs | 3 | | | 16 | 71 | 62 | 296 |

## Digoxin — EIA — ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • DGNA REF DF35A : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

| | Level | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.0 | 0.8 |
| □Method CVR | 1 | 0.0 | 0.5 |
| • Peer SDI | 1 | –1.32 | 0.13 |
| □Method SDI | 1 | –0.61 | 0.57 |
| • Peer CVR | 3 | 0.0 | 0.7 |
| □Method CVR | 3 | 0.0 | 0.4 |
| • Peer SDI | 3 | –0.53 | 0.40 |
| □Method SDI | 3 | 0.00 | 0.53 |

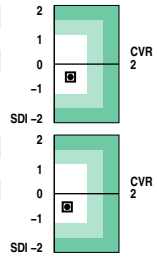



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | EIA | |
| Mean | 1 | 0.730 | 0.866 | 0.822 | 0.857 | 0.790 | 0.801 |
| SD | 1 | 0.000 | 0.057 | 0.070 | 0.068 | 0.098 | 0.116 |
| CV | 1 | 0.0 | 6.6 | 8.5 | 7.9 | 12.4 | 14.4 |
| # Points | 1 | 1 | 21 | 630 | 37965 | 997 | 72221 |
| # Labs | 1 | | | 34 | 149 | 60 | 279 |
| Mean | 3 | 3.27 | 3.38 | 3.34 | 3.33 | 3.27 | 3.25 |
| SD | 3 | 0.000 | 0.093 | 0.134 | 0.130 | 0.208 | 0.240 |
| CV | 3 | 0.0 | 2.7 | 4.0 | 3.9 | 6.4 | 7.4 |
| # Points | 3 | 1 | 21 | 589 | 36127 | 953 | 71691 |
| # Labs | 3 | | | 31 | 143 | 58 | 273 |

## Ferritin — EIA — ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • FERR REF RF440 : FERR Cal REF RC440 – Unspecified *** – Unspecified ***

| | Level | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.5 | 1.0 |
| □Method CVR | 1 | 0.5 | 0.7 |
| • Peer SDI | 1 | –0.44 | –0.48 |
| □Method SDI | 1 | –0.44 | –0.21 |
| • Peer CVR | 3 | 0.4 | 0.9 |
| □Method CVR | 3 | 0.4 | 0.5 |
| • Peer SDI | 3 | –0.45 | 0.03 |
| □Method SDI | 3 | –0.45 | 0.15 |




| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | EIA | |
| Mean | 1 | 28.93 | 28.36 | 29.52 | 29.06 | 29.52 | 28.82 |
| SD | 1 | 0.650 | 1.40 | 1.33 | 1.46 | 1.33 | 2.16 |
| CV | 1 | 2.2 | 4.9 | 4.5 | 5.0 | 4.5 | 7.5 |
| # Points | 1 | 29 | 470 | 752 | 38356 | 752 | 39237 |
| # Labs | 1 | | | 37 | 140 | 37 | 148 |
| Mean | 3 | 358.8 | 357.0 | 364.4 | 356.6 | 364.4 | 353.3 |
| SD | 3 | 4.39 | 12.28 | 12.51 | 13.85 | 12.51 | 24.64 |
| CV | 3 | 1.2 | 3.4 | 3.4 | 3.9 | 3.4 | 7.0 |
| # Points | 3 | 29 | 472 | 503 | 33126 | 503 | 34005 |
| # Labs | 3 | | | 32 | 127 | 32 | 135 |

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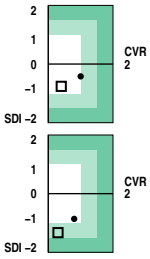
## Folate Chemiluminescence ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • FOLA REF RF644 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***

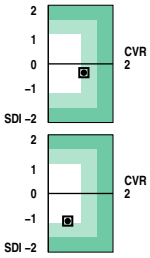
| Level | | Mon | Cum | Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | Chemiluminescence | |
| • Peer CVR | 1 | 1.0 | 0.8 | | Mean | 1.87 | 2.00 | 1.96 | 2.10 | 2.45 | 2.42 |
| □Method CVR | | 0.4 | 0.3 | | SD | 0.211 | 0.220 | 0.211 | 0.291 | 0.764 | 0.826 |
| • Peer SDI | | –0.42 | –0.32 | | CV | 11.3 | 11.0 | 10.8 | 13.9 | 31.1 | 34.2 |
| □Method SDI | | –0.76 | –0.50 | | # Points | 28 | 427 | 314 | 22466 | 4586 | 354K |
| | | | | | # Labs | | | 18 | 78 | 215 | 989 |
| • Peer CVR | 3 | 0.8 | 1.0 | | Mean | 7.34 | 8.29 | 8.04 | 8.96 | 11.51 | 11.41 |
| □Method CVR | | 0.3 | 0.4 | | SD | 0.570 | 0.872 | 0.816 | 0.910 | 3.14 | 3.32 |
| • Peer SDI | | –0.86 | –0.74 | | CV | 7.8 | 10.5 | 10.2 | 10.2 | 27.3 | 29.1 |
| □Method SDI | | –1.33 | –0.94 | | # Points | 28 | 430 | 298 | 48148 | 3839 | 338K |
| | | | | | # Labs | | | 17 | 77 | 181 | 874 |




## hCG EIA mIU/mL

Siemens Dimension EXL • Dimension EXL–183197 • HCG REF RF430/530 : HCG Cal REF RC430 – Unspecified *** – Unspecified ***

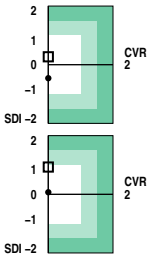
| Level | | Mon | Cum | Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | EIA | |
| • Peer CVR | 1 | 1.1 | 0.6 | | Mean | 4.66 | 4.89 | 4.80 | 4.78 | 4.80 | 4.79 |
| □Method CVR | | 1.1 | 0.6 | | SD | 0.484 | 0.314 | 0.469 | 0.515 | 0.469 | 0.518 |
| • Peer SDI | | –0.30 | 0.22 | | CV | 10.4 | 6.4 | 9.8 | 10.8 | 9.8 | 10.8 |
| □Method SDI | | –0.30 | 0.20 | | # Points | 29 | 448 | 1522 | 84370 | 1522 | 85301 |
| | | | | | # Labs | | | 70 | 288 | 70 | 291 |
| • Peer CVR | 3 | 0.6 | 1.0 | | Mean | 500.4 | 526.8 | 518.9 | 519.6 | 518.9 | 519.6 |
| □Method CVR | | 0.6 | 1.0 | | SD | 10.70 | 21.75 | 19.68 | 22.15 | 19.68 | 22.12 |
| • Peer SDI | | –0.94 | 0.32 | | CV | 2.1 | 4.1 | 3.8 | 4.3 | 3.8 | 4.3 |
| □Method SDI | | –0.94 | 0.32 | | # Points | 29 | 451 | 1280 | 78489 | 1280 | 78885 |
| | | | | | # Labs | | | 65 | 278 | 65 | 280 |




## Phenobarbital Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • PHNO REF DF60 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

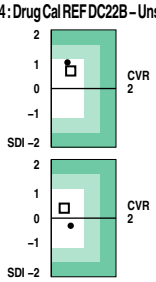
| Level | | Mon | Cum | Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| • Peer CVR | 1 | 0.0 | 0.5 | | Mean | 10.80 | 10.07 | 11.38 | 11.03 | 10.45 | 10.45 |
| □Method CVR | | 0.0 | 0.5 | | SD | 0.000 | 0.520 | 1.26 | 1.17 | 1.32 | 1.10 |
| • Peer SDI | | –0.46 | –0.82 | | CV | 0.0 | 5.2 | 11.0 | 10.6 | 12.6 | 10.5 |
| □Method SDI | | 0.27 | –0.35 | | # Points | 1 | 13 | 277 | 13901 | 842 | 55149 |
| | | | | | # Labs | | | 18 | 57 | 47 | 228 |
| • Peer CVR | 3 | 0.0 | 0.6 | | Mean | 59.00 | 54.61 | 58.77 | 57.68 | 55.43 | 54.59 |
| □Method CVR | | 0.0 | 0.5 | | SD | 0.000 | 1.73 | 3.18 | 2.98 | 3.84 | 3.61 |
| • Peer SDI | | 0.07 | –1.03 | | CV | 0.0 | 3.2 | 5.4 | 5.2 | 6.9 | 6.6 |
| □Method SDI | | 0.93 | 0.01 | | # Points | 1 | 13 | 251 | 12932 | 822 | 53568 |
| | | | | | # Labs | | | 17 | 53 | 46 | 222 |




## Phenytoin (Dilantin) Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • PTN REF DF64 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

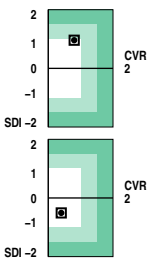
| Level | | Mon | Cum | Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| • Peer CVR | 1 | 0.5 | 1.1 | | Mean | 4.85 | 4.36 | 4.42 | 4.41 | 4.57 | 4.58 |
| □Method CVR | | 0.6 | 1.2 | | SD | 0.289 | 0.556 | 0.486 | 0.513 | 0.459 | 0.493 |
| • Peer SDI | | 0.89 | –0.09 | | CV | 6.0 | 12.8 | 11.0 | 11.6 | 10.0 | 10.8 |
| □Method SDI | | 0.60 | –0.44 | | # Points | 4 | 25 | 619 | 32645 | 1061 | 74826 |
| | | | | | # Labs | | | 31 | 128 | 62 | 298 |
| • Peer CVR | 3 | 0.6 | 0.6 | | Mean | 21.98 | 21.67 | 22.24 | 22.17 | 21.50 | 21.58 |
| □Method CVR | | 0.4 | 0.5 | | SD | 0.620 | 0.716 | 0.997 | 1.13 | 1.40 | 1.38 |
| • Peer SDI | | –0.26 | –0.44 | | CV | 2.8 | 3.3 | 4.5 | 5.1 | 6.5 | 6.4 |
| □Method SDI | | 0.34 | 0.07 | | # Points | 4 | 26 | 604 | 31772 | 1033 | 74379 |
| | | | | | # Labs | | | 30 | 125 | 61 | 299 |




## PSA, Total EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • TPSA REF RF451 : T/F PSA Cal REF RC452 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | EIA | |
| • Peer CVR | 1 | 0.8 | 0.8 | | Mean | 0.240 | 0.226 | 0.211 | 0.211 | 0.211 | 0.213 |
| □Method CVR | | 0.8 | 0.8 | | SD | 0.026 | 0.027 | 0.030 | 0.032 | 0.030 | 0.033 |
| • Peer SDI | | 0.96 | 0.48 | | CV | 11.0 | 11.9 | 14.4 | 15.2 | 14.4 | 15.7 |
| □Method SDI | | 0.96 | 0.39 | | # Points | 28 | 481 | 539 | 39564 | 539 | 41238 |
| | | | | | # Labs | | | 29 | 155 | 29 | 169 |
| • Peer CVR | 3 | 0.4 | 0.7 | | Mean | 17.71 | 18.18 | 18.17 | 18.34 | 18.17 | 18.30 |
| □Method CVR | | 0.4 | 0.7 | | SD | 0.380 | 0.741 | 0.893 | 1.01 | 0.893 | 1.01 |
| • Peer SDI | | –0.51 | –0.16 | | CV | 2.1 | 4.1 | 4.9 | 5.5 | 4.9 | 5.5 |
| □Method SDI | | –0.51 | –0.12 | | # Points | 29 | 483 | 583 | 43286 | 583 | 44990 |
| | | | | | # Labs | | | 33 | 154 | 33 | 161 |





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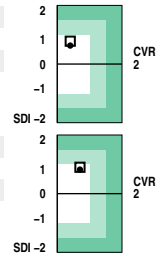
## Salicylate Trinder mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • SAL REF DF20 : SAL Cal REF DC38 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.4 | 0.8 |
| □Method CVR | 1 | 0.4 | 0.8 |
| • Peer SDI | 1 | 0.63 | 0.20 |
| □Method SDI | 1 | 0.78 | 0.53 |
| • Peer CVR | 3 | 0.7 | 0.9 |
| □Method CVR | 3 | 0.7 | 0.8 |
| • Peer SDI | 3 | 0.82 | 0.18 |
| □Method SDI | 3 | 0.90 | 0.27 |

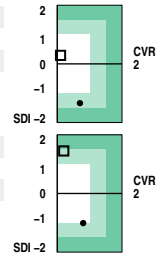



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Trinder | |
| Mean | 1 | 8.85 | 8.72 | 8.66 | 8.64 | 8.60 | 8.51 |
| SD | 1 | 0.130 | 0.322 | 0.299 | 0.391 | 0.321 | 0.390 |
| CV | 1 | 1.5 | 3.7 | 3.5 | 4.5 | 3.7 | 4.6 |
| # Points | 1 | 4 | 154 | 824 | 53431 | 994 | 81185 |
| # Labs | 1 | | | 45 | 199 | 59 | 301 |
| Mean | 3 | 38.25 | 37.92 | 37.84 | 37.82 | 37.77 | 37.75 |
| SD | 3 | 0.379 | 0.523 | 0.504 | 0.562 | 0.525 | 0.620 |
| CV | 3 | 1.0 | 1.4 | 1.3 | 1.5 | 1.4 | 1.6 |
| # Points | 3 | 4 | 154 | 779 | 50714 | 947 | 78732 |
| # Labs | 3 | | | 41 | 192 | 55 | 296 |

## T4, Free Chemiluminescence ng/dL

Siemens Dimension EXL • Dimension EXL–183197 • FT4L REF RF610 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.7 | 1.1 |
| □Method CVR | 1 | 0.1 | 0.2 |
| • Peer SDI | 1 | −1.34 | −0.63 |
| □Method SDI | 1 | 0.29 | 0.44 |
| • Peer CVR | 3 | 0.8 | 1.0 |
| □Method CVR | 3 | 0.2 | 0.3 |
| • Peer SDI | 3 | −1.01 | −0.59 |
| □Method SDI | 3 | 1.45 | 1.58 |

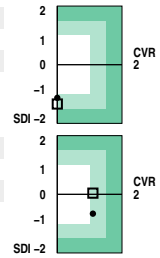



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 1 | 1.28 | 1.32 | 1.37 | 1.37 | 1.19 | 1.20 |
| SD | 1 | 0.043 | 0.072 | 0.065 | 0.068 | 0.301 | 0.289 |
| CV | 1 | 3.4 | 5.5 | 4.7 | 4.9 | 25.2 | 24.2 |
| # Points | 1 | 30 | 486 | 1006 | 60127 | 7946 | 621K |
| # Labs | 1 | | | 51 | 203 | 366 | 1549 |
| Mean | 3 | 4.27 | 4.40 | 4.48 | 4.54 | 3.47 | 3.43 |
| SD | 3 | 0.162 | 0.219 | 0.211 | 0.236 | 0.549 | 0.614 |
| CV | 3 | 3.8 | 5.0 | 4.7 | 5.2 | 15.8 | 17.9 |
| # Points | 3 | 30 | 487 | 869 | 57581 | 6664 | 528K |
| # Labs | 3 | | | 47 | 192 | 294 | 1260 |

## Theophylline Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • THEO REF DF71 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.0 | 1.1 |
| □Method CVR | 1 | 0.0 | 1.2 |
| • Peer SDI | 1 | −1.13 | −0.28 |
| □Method SDI | 1 | −1.34 | −0.26 |
| • Peer CVR | 3 | 1.1 | 1.0 |
| □Method CVR | 3 | 1.1 | 1.0 |
| • Peer SDI | 3 | −0.66 | −0.69 |
| □Method SDI | 3 | 0.04 | −0.17 |

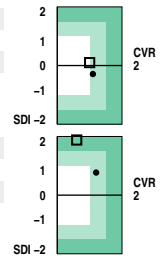



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| Mean | 1 | 3.90 | 4.34 | 4.19 | 4.44 | 4.22 | 4.42 |
| SD | 1 | 0.000 | 0.377 | 0.252 | 0.361 | 0.240 | 0.315 |
| CV | 1 | 0.0 | 8.7 | 6.0 | 8.1 | 5.7 | 7.1 |
| # Points | 1 | 2 | 17 | 202 | 10898 | 493 | 34854 |
| # Labs | 1 | | | 14 | 52 | 34 | 164 |
| Mean | 3 | 27.40 | 27.40 | 28.43 | 28.40 | 27.34 | 27.64 |
| SD | 3 | 1.70 | 1.40 | 1.57 | 1.45 | 1.54 | 1.37 |
| CV | 3 | 6.2 | 5.1 | 5.5 | 5.1 | 5.6 | 5.0 |
| # Points | 3 | 2 | 17 | 233 | 10710 | 527 | 34701 |
| # Labs | 3 | | | 14 | 48 | 34 | 161 |

## TSH Chemiluminescence ÂµIU/mL

Siemens Dimension EXL • Dimension EXL–183197 • TSHL REF RF612 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 1.1 | 0.9 |
| □Method CVR | 1 | 1.0 | 0.8 |
| • Peer SDI | 1 | −0.29 | 0.02 |
| □Method SDI | 1 | 0.10 | 0.40 |
| • Peer CVR | 3 | 1.2 | 0.8 |
| □Method CVR | 3 | 0.6 | 0.5 |
| • Peer SDI | 3 | 0.77 | 0.59 |
| □Method SDI | 3 | 1.88 | 1.63 |

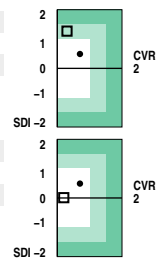



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 1 | 0.590 | 0.610 | 0.601 | 0.609 | 0.586 | 0.592 |
| SD | 1 | 0.041 | 0.038 | 0.037 | 0.044 | 0.042 | 0.046 |
| CV | 1 | 6.9 | 6.2 | 6.1 | 7.1 | 7.1 | 7.7 |
| # Points | 1 | 29 | 449 | 1199 | 78754 | 9687 | 693K |
| # Labs | 1 | | | 55 | 251 | 464 | 1844 |
| Mean | 3 | 34.91 | 35.08 | 33.36 | 33.78 | 28.69 | 29.61 |
| SD | 3 | 2.61 | 1.86 | 2.00 | 2.22 | 3.31 | 3.35 |
| CV | 3 | 7.5 | 5.3 | 6.0 | 6.6 | 11.5 | 11.3 |
| # Points | 3 | 29 | 451 | 1088 | 75402 | 9409 | 660K |
| # Labs | 3 | | | 52 | 240 | 462 | 1787 |

## Vitamin B12 Chemiluminescence pg/mL

Siemens Dimension EXL • Dimension EXL–183197 • VB12 REF RF642 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.7 | 0.9 |
| □Method CVR | 1 | 0.3 | 0.4 |
| • Peer SDI | 1 | 0.49 | −0.15 |
| □Method SDI | 1 | 1.27 | 1.05 |
| • Peer CVR | 3 | 0.7 | 0.6 |
| □Method CVR | 3 | 0.2 | 0.3 |
| • Peer SDI | 3 | 0.49 | 0.33 |
| □Method SDI | 3 | 0.01 | −0.18 |




| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 1 | 274.2 | 257.9 | 262.4 | 262.0 | 207.9 | 205.4 |
| SD | 1 | 18.50 | 24.01 | 24.09 | 26.43 | 52.20 | 49.79 |
| CV | 1 | 6.7 | 9.3 | 9.2 | 10.1 | 25.1 | 24.2 |
| # Points | 1 | 29 | 473 | 315 | 23519 | 6097 | 491K |
| # Labs | 1 | | | 19 | 83 | 242 | 1130 |
| Mean | 3 | 844.3 | 832.7 | 825.9 | 816.3 | 843.5 | 854.7 |
| SD | 3 | 25.00 | 29.86 | 37.47 | 50.22 | 109.9 | 119.6 |
| CV | 3 | 3.0 | 3.6 | 4.5 | 6.2 | 13.0 | 14.0 |
| # Points | 3 | 29 | 474 | 301 | 23084 | 5957 | 470K |
| # Labs | 3 | | | 19 | 81 | 241 | 1065 |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**February 2022 • 100297**

# Laboratory Histogram

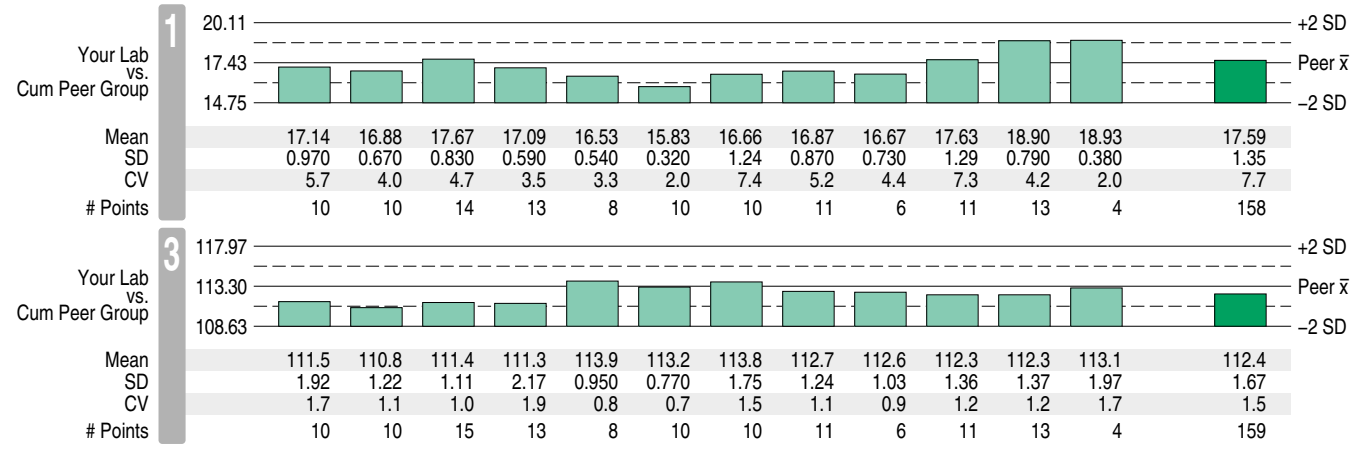
Immunoassay Plus • Lot 85230 • Exp 28–Feb–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Acetaminophen Enzymatic, colorimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • ACTM REF DF88 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***

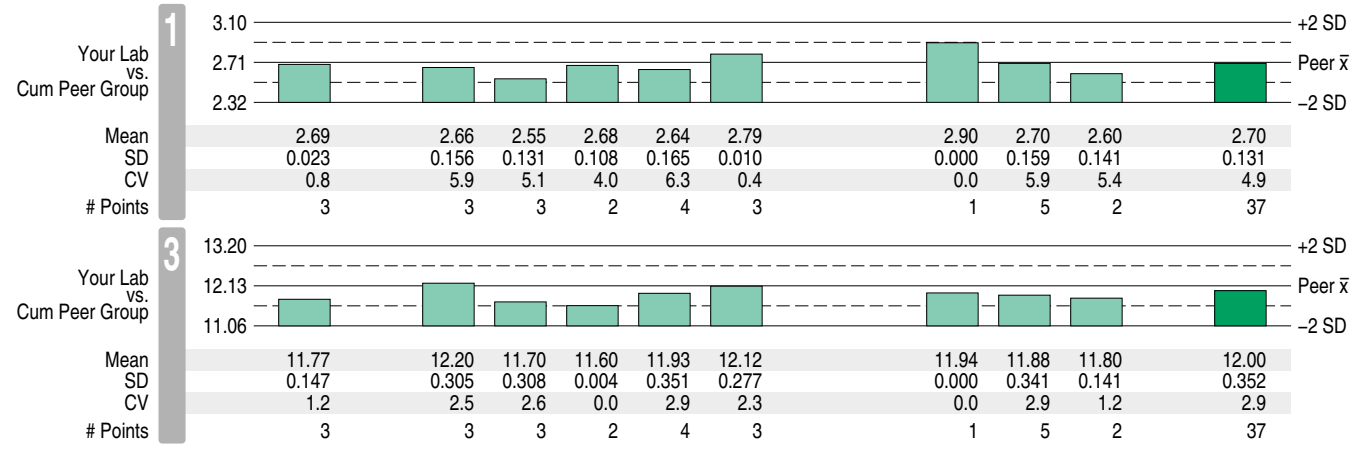
| Level | | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mean | 17.14 | 16.88 | 17.67 | 17.09 | 16.53 | 15.83 | 16.66 | 16.87 | 16.67 | 17.63 | 18.90 | 18.93 | 17.59 |
| Your Lab vs. Cum Peer Group | SD | 0.970 | 0.670 | 0.830 | 0.590 | 0.540 | 0.320 | 1.24 | 0.870 | 0.730 | 1.29 | 0.790 | 0.380 | 1.35 |
| | CV | 5.7 | 4.0 | 4.7 | 3.5 | 3.3 | 2.0 | 7.4 | 5.2 | 4.4 | 7.3 | 4.2 | 2.0 | 7.7 |
| | # Points | 10 | 10 | 14 | 13 | 8 | 10 | 10 | 11 | 6 | 11 | 13 | 4 | 158 |
| 3 | Mean | 111.5 | 110.8 | 111.4 | 111.3 | 113.9 | 113.2 | 113.8 | 112.7 | 112.6 | 112.3 | 112.3 | 113.1 | 112.4 |
| Your Lab vs. Cum Peer Group | SD | 1.92 | 1.22 | 1.11 | 2.17 | 0.950 | 0.770 | 1.75 | 1.24 | 1.03 | 1.36 | 1.37 | 1.97 | 1.67 |
| | CV | 1.7 | 1.1 | 1.0 | 1.9 | 0.8 | 0.7 | 1.5 | 1.1 | 0.9 | 1.2 | 1.2 | 1.7 | 1.5 |
| | # Points | 10 | 10 | 15 | 13 | 8 | 10 | 10 | 11 | 6 | 11 | 13 | 4 | 159 |




## Carbamazepine (Tegretol) Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • CRBM REF DF87 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***

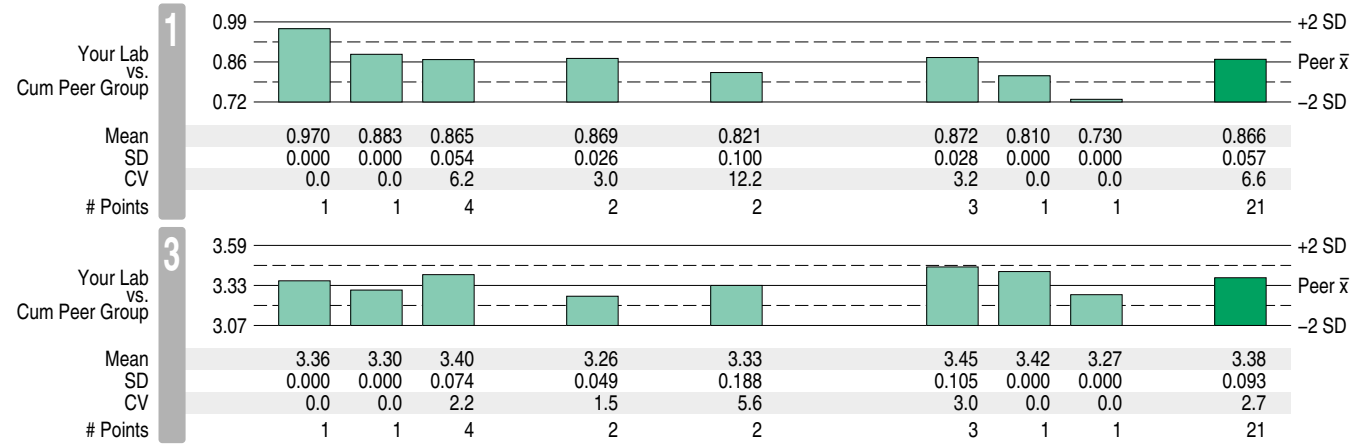
| Level | | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mean | 2.69 | | 2.66 | 2.55 | 2.68 | 2.64 | 2.79 | | | 2.90 | 2.70 | 2.60 | 2.70 |
| Your Lab vs. Cum Peer Group | SD | 0.023 | | 0.156 | 0.131 | 0.108 | 0.165 | 0.010 | | | 0.000 | 0.159 | 0.141 | 0.131 |
| | CV | 0.8 | | 5.9 | 5.1 | 4.0 | 6.3 | 0.4 | | | 0.0 | 5.9 | 5.4 | 4.9 |
| | # Points | 3 | | 3 | 3 | 2 | 4 | 3 | | | 1 | 5 | 2 | 37 |
| 3 | Mean | 11.77 | | 12.20 | 11.70 | 11.60 | 11.93 | 12.12 | | | 11.94 | 11.88 | 11.80 | 12.00 |
| Your Lab vs. Cum Peer Group | SD | 0.147 | | 0.305 | 0.308 | 0.004 | 0.351 | 0.277 | | | 0.000 | 0.341 | 0.141 | 0.352 |
| | CV | 1.2 | | 2.5 | 2.6 | 0.0 | 2.9 | 2.3 | | | 0.0 | 2.9 | 1.2 | 2.9 |
| | # Points | 3 | | 3 | 3 | 2 | 4 | 3 | | | 1 | 5 | 2 | 37 |




## Digoxin EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • DGNA REF DF35A : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

| Level | | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mean | 0.970 | 0.883 | 0.865 | | 0.869 | | 0.821 | | | 0.872 | 0.810 | 0.730 | 0.866 |
| Your Lab vs. Cum Peer Group | SD | 0.000 | 0.000 | 0.054 | | 0.026 | | 0.100 | | | 0.028 | 0.000 | 0.000 | 0.057 |
| | CV | 0.0 | 0.0 | 6.2 | | 3.0 | | 12.2 | | | 3.2 | 0.0 | 0.0 | 6.6 |
| | # Points | 1 | 1 | 4 | | 2 | | 2 | | | 3 | 1 | 1 | 21 |
| 3 | Mean | 3.36 | 3.30 | 3.40 | | 3.26 | | 3.33 | | | 3.45 | 3.42 | 3.27 | 3.38 |
| Your Lab vs. Cum Peer Group | SD | 0.000 | 0.000 | 0.074 | | 0.049 | | 0.188 | | | 0.105 | 0.000 | 0.000 | 0.093 |
| | CV | 0.0 | 0.0 | 2.2 | | 1.5 | | 5.6 | | | 3.0 | 0.0 | 0.0 | 2.7 |
| | # Points | 1 | 1 | 4 | | 2 | | 2 | | | 3 | 1 | 1 | 21 |




The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.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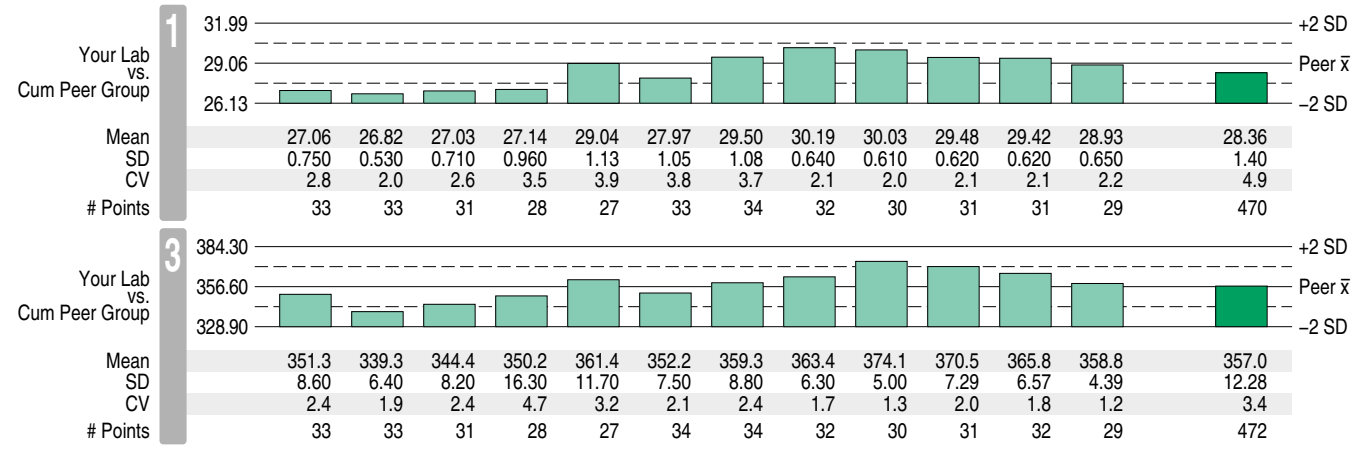
## Ferritin EIA ng/mL

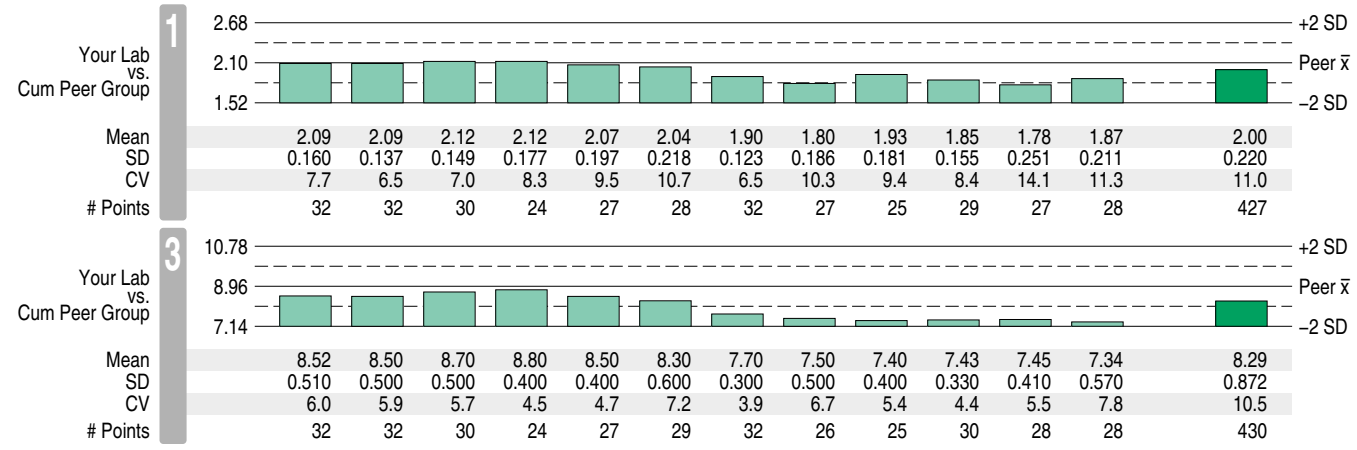
Siemens Dimension EXL • Dimension EXL–183197 • FERR REF RF440 : FERR Cal REF RC440 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 27.06 | 26.82 | 27.03 | 27.14 | 29.04 | 27.97 | 29.50 | 30.19 | 30.03 | 29.48 | 29.42 | 28.93 | 28.36 |
| SD | 0.750 | 0.530 | 0.710 | 0.960 | 1.13 | 1.05 | 1.08 | 0.640 | 0.610 | 0.620 | 0.620 | 0.650 | 1.40 |
| CV | 2.8 | 2.0 | 2.6 | 3.5 | 3.9 | 3.8 | 3.7 | 2.1 | 2.0 | 2.1 | 2.1 | 2.2 | 4.9 |
| # Points | 33 | 33 | 31 | 28 | 27 | 33 | 34 | 32 | 30 | 31 | 31 | 29 | 470 |
| Mean | 351.3 | 339.3 | 344.4 | 350.2 | 361.4 | 352.2 | 359.3 | 363.4 | 374.1 | 370.5 | 365.8 | 358.8 | 357.0 |
| SD | 8.60 | 6.40 | 8.20 | 16.30 | 11.70 | 7.50 | 8.80 | 6.30 | 5.00 | 7.29 | 6.57 | 4.39 | 12.28 |
| CV | 2.4 | 1.9 | 2.4 | 4.7 | 3.2 | 2.1 | 2.4 | 1.7 | 1.3 | 2.0 | 1.8 | 1.2 | 3.4 |
| # Points | 33 | 33 | 31 | 28 | 27 | 34 | 34 | 32 | 30 | 31 | 32 | 29 | 472 |

## Folate Chemiluminescence ng/mL

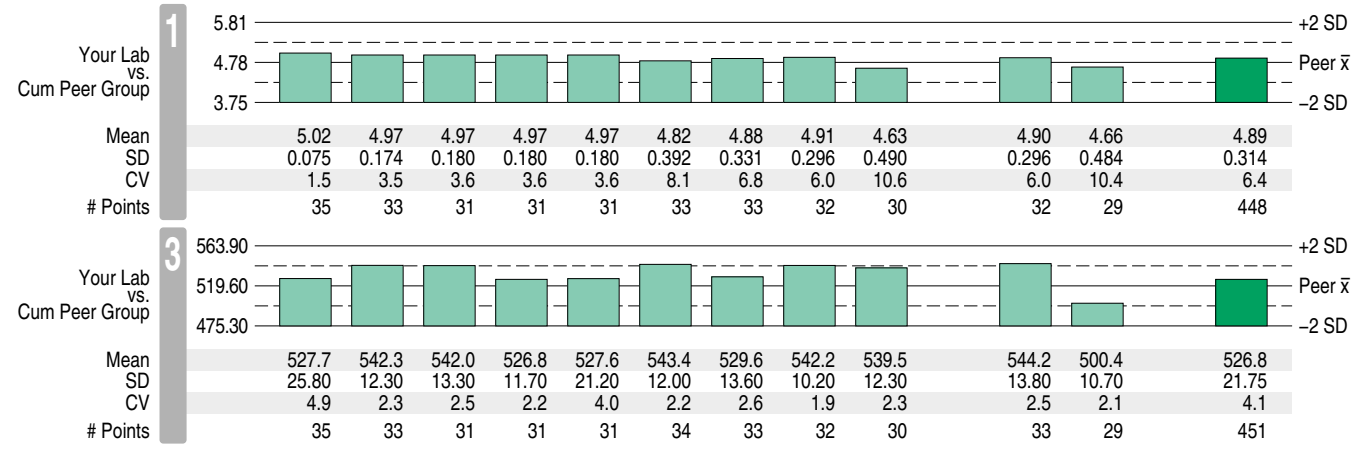
Siemens Dimension EXL • Dimension EXL–183197 • FOLA REF RF644 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 2.09 | 2.09 | 2.12 | 2.12 | 2.07 | 2.04 | 1.90 | 1.80 | 1.93 | 1.85 | 1.78 | 1.87 | 2.00 |
| SD | 0.160 | 0.137 | 0.149 | 0.177 | 0.197 | 0.218 | 0.123 | 0.186 | 0.181 | 0.155 | 0.251 | 0.211 | 0.220 |
| CV | 7.7 | 6.5 | 7.0 | 8.3 | 9.5 | 10.7 | 6.5 | 10.3 | 9.4 | 8.4 | 14.1 | 11.3 | 11.0 |
| # Points | 32 | 32 | 30 | 24 | 27 | 28 | 32 | 27 | 25 | 29 | 27 | 28 | 427 |
| Mean | 8.52 | 8.50 | 8.70 | 8.80 | 8.50 | 8.30 | 7.70 | 7.50 | 7.40 | 7.43 | 7.45 | 7.34 | 8.29 |
| SD | 0.510 | 0.500 | 0.500 | 0.400 | 0.400 | 0.600 | 0.300 | 0.500 | 0.400 | 0.330 | 0.410 | 0.570 | 0.872 |
| CV | 6.0 | 5.9 | 5.7 | 4.5 | 4.7 | 7.2 | 3.9 | 6.7 | 5.4 | 4.4 | 5.5 | 7.8 | 10.5 |
| # Points | 32 | 32 | 30 | 24 | 27 | 29 | 32 | 26 | 25 | 30 | 28 | 28 | 430 |

## hCG EIA mIU/mL

Siemens Dimension EXL • Dimension EXL–183197 • HCG REF RF430/530 : HCG Cal REF RC430 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 5.02 | 4.97 | 4.97 | 4.97 | 4.97 | 4.82 | 4.88 | 4.91 | 4.63 | | 4.90 | 4.66 | 4.89 |
| SD | 0.075 | 0.174 | 0.180 | 0.180 | 0.180 | 0.392 | 0.331 | 0.296 | 0.490 | | 0.296 | 0.484 | 0.314 |
| CV | 1.5 | 3.5 | 3.6 | 3.6 | 3.6 | 8.1 | 6.8 | 6.0 | 10.6 | | 6.0 | 10.4 | 6.4 |
| # Points | 35 | 33 | 31 | 31 | 31 | 33 | 33 | 32 | 30 | | 32 | 29 | 448 |
| Mean | 527.7 | 542.3 | 542.0 | 526.8 | 527.6 | 543.4 | 529.6 | 542.2 | 539.5 | | 544.2 | 500.4 | 526.8 |
| SD | 25.80 | 12.30 | 13.30 | 11.70 | 21.20 | 12.00 | 13.60 | 10.20 | 12.30 | | 13.80 | 10.70 | 21.75 |
| CV | 4.9 | 2.3 | 2.5 | 2.2 | 4.0 | 2.2 | 2.6 | 1.9 | 2.3 | | 2.5 | 2.1 | 4.1 |
| # Points | 35 | 33 | 31 | 31 | 31 | 34 | 33 | 32 | 30 | | 33 | 29 | 451 |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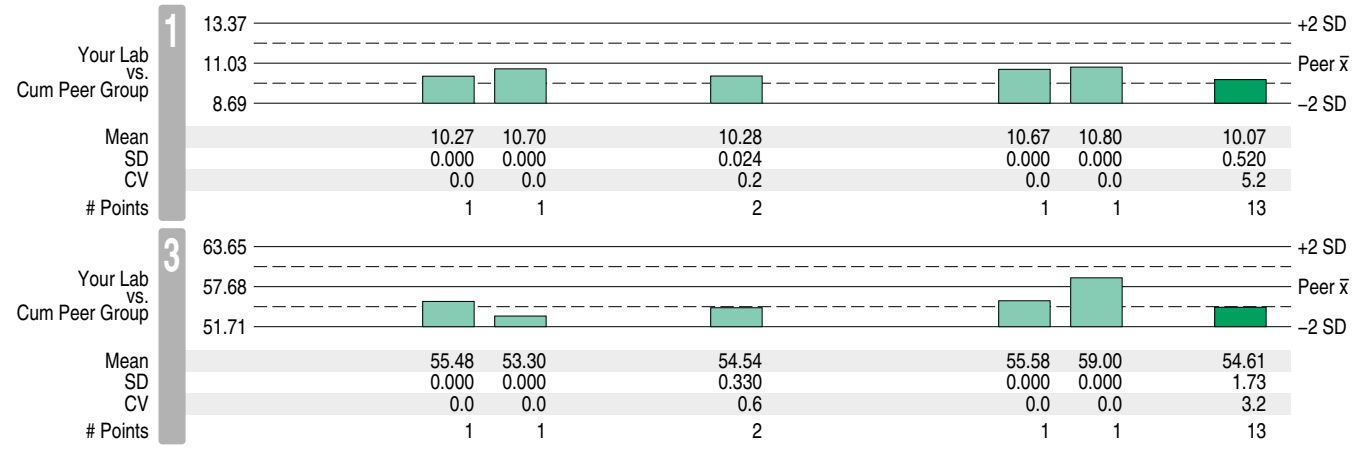
## Phenobarbital Immunoturbidimetric Âµg/mL

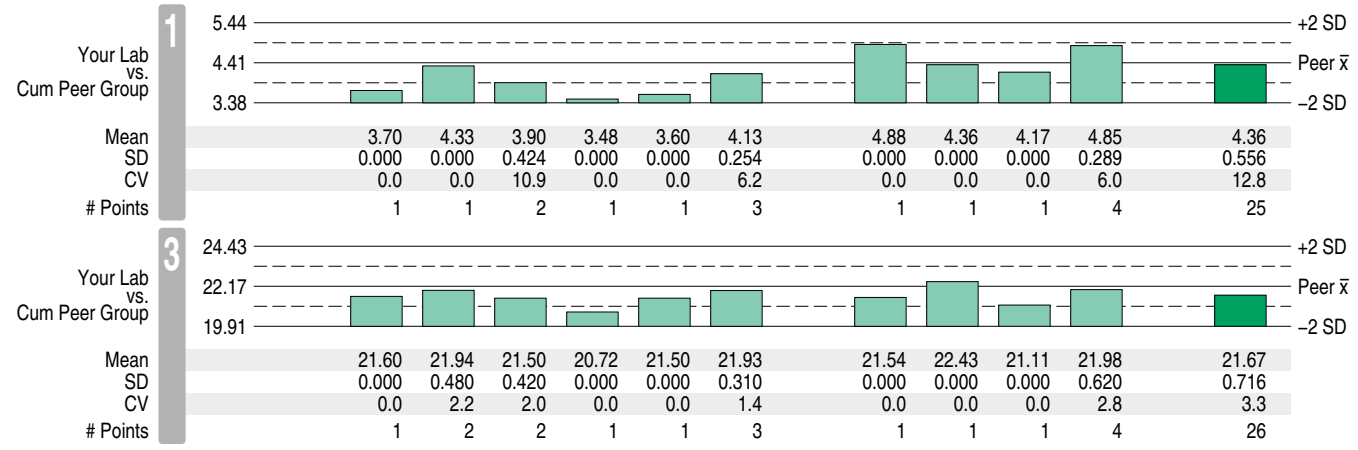
Siemens Dimension EXL • Dimension EXL–183197 • PHNO REF DF60 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | | 10.27 | 10.70 | | | 10.28 | | | | 10.67 | 10.80 | 10.07 |
| SD | | | 0.000 | 0.000 | | | 0.024 | | | | 0.000 | 0.000 | 0.520 |
| CV | | | 0.0 | 0.0 | | | 0.2 | | | | 0.0 | 0.0 | 5.2 |
| # Points | | | 1 | 1 | | | 2 | | | | 1 | 1 | 13 |
| Mean | | | 55.48 | 53.30 | | | 54.54 | | | | 55.58 | 59.00 | 54.61 |
| SD | | | 0.000 | 0.000 | | | 0.330 | | | | 0.000 | 0.000 | 1.73 |
| CV | | | 0.0 | 0.0 | | | 0.6 | | | | 0.0 | 0.0 | 3.2 |
| # Points | | | 1 | 1 | | | 2 | | | | 1 | 1 | 13 |

## Phenytoin (Dilantin) Immunoturbidimetric Âµg/mL

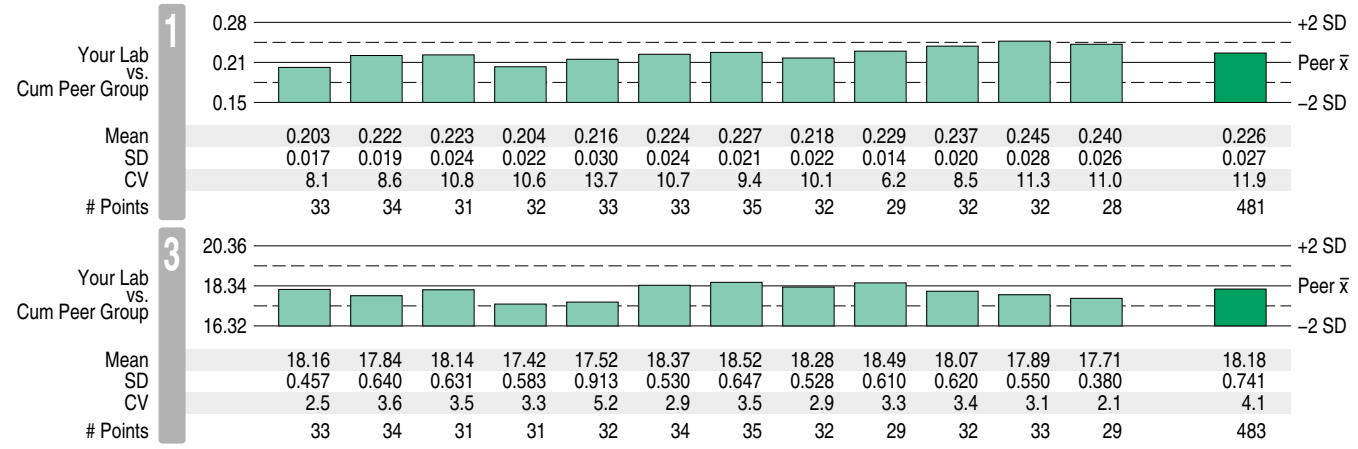
Siemens Dimension EXL • Dimension EXL–183197 • PTN REF DF64 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 3.70 | 4.33 | 3.90 | 3.48 | 3.60 | 4.13 | | 4.88 | 4.36 | 4.17 | 4.85 | 4.36 |
| SD | | 0.000 | 0.000 | 0.424 | 0.000 | 0.000 | 0.254 | | 0.000 | 0.000 | 0.000 | 0.289 | 0.556 |
| CV | | 0.0 | 0.0 | 10.9 | 0.0 | 0.0 | 6.2 | | 0.0 | 0.0 | 0.0 | 6.0 | 12.8 |
| # Points | | 1 | 1 | 2 | 1 | 1 | 3 | | 1 | 1 | 1 | 4 | 25 |
| Mean | | 21.60 | 21.94 | 21.50 | 20.72 | 21.50 | 21.93 | | 21.54 | 22.43 | 21.11 | 21.98 | 21.67 |
| SD | | 0.000 | 0.480 | 0.420 | 0.000 | 0.000 | 0.310 | | 0.000 | 0.000 | 0.000 | 0.620 | 0.716 |
| CV | | 0.0 | 2.2 | 2.0 | 0.0 | 0.0 | 1.4 | | 0.0 | 0.0 | 0.0 | 2.8 | 3.3 |
| # Points | | 1 | 2 | 2 | 1 | 1 | 3 | | 1 | 1 | 1 | 4 | 26 |

## PSA, Total EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • TPSA REF RF451 : T/F PSA Cal REF RC452 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 0.203 | 0.222 | 0.223 | 0.204 | 0.216 | 0.224 | 0.227 | 0.218 | 0.229 | 0.237 | 0.245 | 0.240 | 0.226 |
| SD | 0.017 | 0.019 | 0.024 | 0.022 | 0.030 | 0.024 | 0.021 | 0.022 | 0.014 | 0.020 | 0.028 | 0.026 | 0.027 |
| CV | 8.1 | 8.6 | 10.8 | 10.6 | 13.7 | 10.7 | 9.4 | 10.1 | 6.2 | 8.5 | 11.3 | 11.0 | 11.9 |
| # Points | 33 | 34 | 31 | 32 | 33 | 33 | 35 | 32 | 29 | 32 | 32 | 28 | 481 |
| Mean | 18.16 | 17.84 | 18.14 | 17.42 | 17.52 | 18.37 | 18.52 | 18.28 | 18.49 | 18.07 | 17.89 | 17.71 | 18.18 |
| SD | 0.457 | 0.640 | 0.631 | 0.583 | 0.913 | 0.530 | 0.647 | 0.528 | 0.610 | 0.620 | 0.550 | 0.380 | 0.741 |
| CV | 2.5 | 3.6 | 3.5 | 3.3 | 5.2 | 2.9 | 3.5 | 2.9 | 3.3 | 3.4 | 3.1 | 2.1 | 4.1 |
| # Points | 33 | 34 | 31 | 31 | 32 | 34 | 35 | 32 | 29 | 32 | 33 | 29 | 483 |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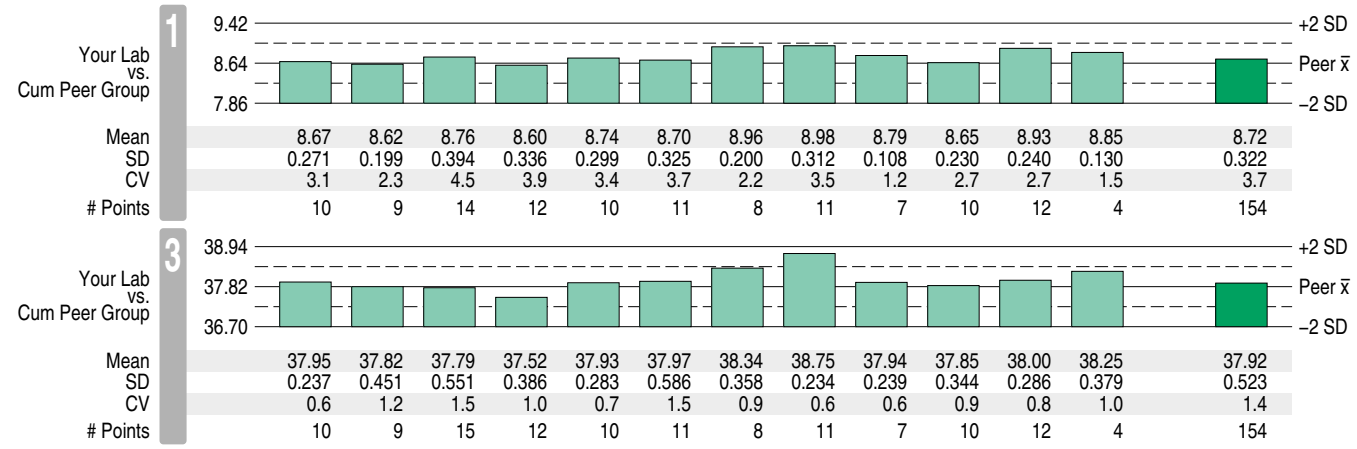
## Salicylate Trinder mg/dL

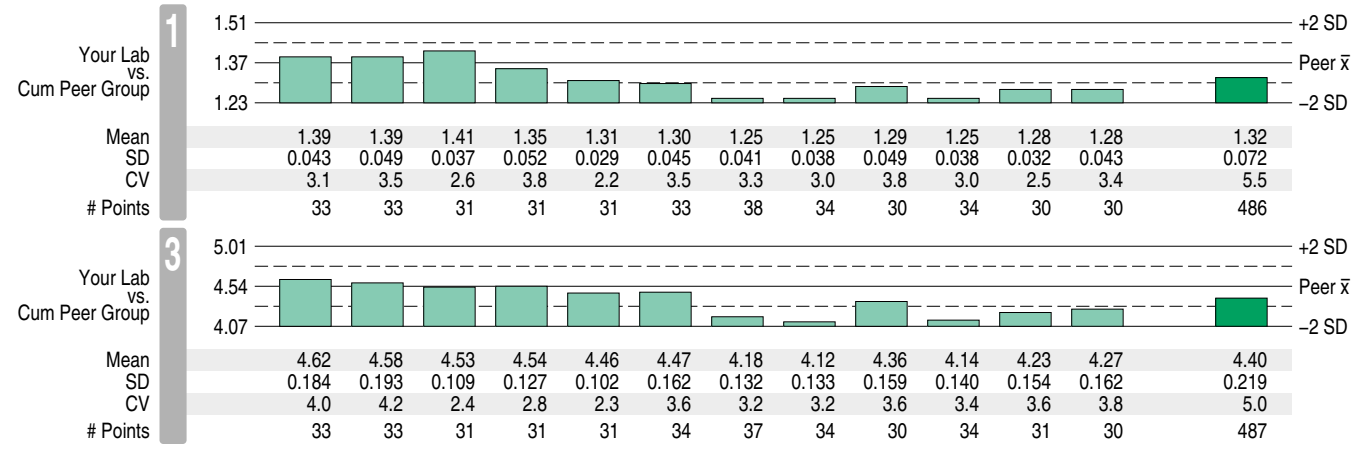
Siemens Dimension EXL • Dimension EXL–183197 • SAL REF DF20 : SAL Cal REF DC38 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 8.67 | 8.62 | 8.76 | 8.60 | 8.74 | 8.70 | 8.96 | 8.98 | 8.79 | 8.65 | 8.93 | 8.85 | 8.72 |
| SD | 0.271 | 0.199 | 0.394 | 0.336 | 0.299 | 0.325 | 0.200 | 0.312 | 0.108 | 0.230 | 0.240 | 0.130 | 0.322 |
| CV | 3.1 | 2.3 | 4.5 | 3.9 | 3.4 | 3.7 | 2.2 | 3.5 | 1.2 | 2.7 | 2.7 | 1.5 | 3.7 |
| # Points | 10 | 9 | 14 | 12 | 10 | 11 | 8 | 11 | 7 | 10 | 12 | 4 | 154 |
| Mean | 37.95 | 37.82 | 37.79 | 37.52 | 37.93 | 37.97 | 38.34 | 38.75 | 37.94 | 37.85 | 38.00 | 38.25 | 37.92 |
| SD | 0.237 | 0.451 | 0.551 | 0.386 | 0.283 | 0.586 | 0.358 | 0.234 | 0.239 | 0.344 | 0.286 | 0.379 | 0.523 |
| CV | 0.6 | 1.2 | 1.5 | 1.0 | 0.7 | 1.5 | 0.9 | 0.6 | 0.6 | 0.9 | 0.8 | 1.0 | 1.4 |
| # Points | 10 | 9 | 15 | 12 | 10 | 11 | 8 | 11 | 7 | 10 | 12 | 4 | 154 |

## T4, Free Chemiluminescence ng/dL

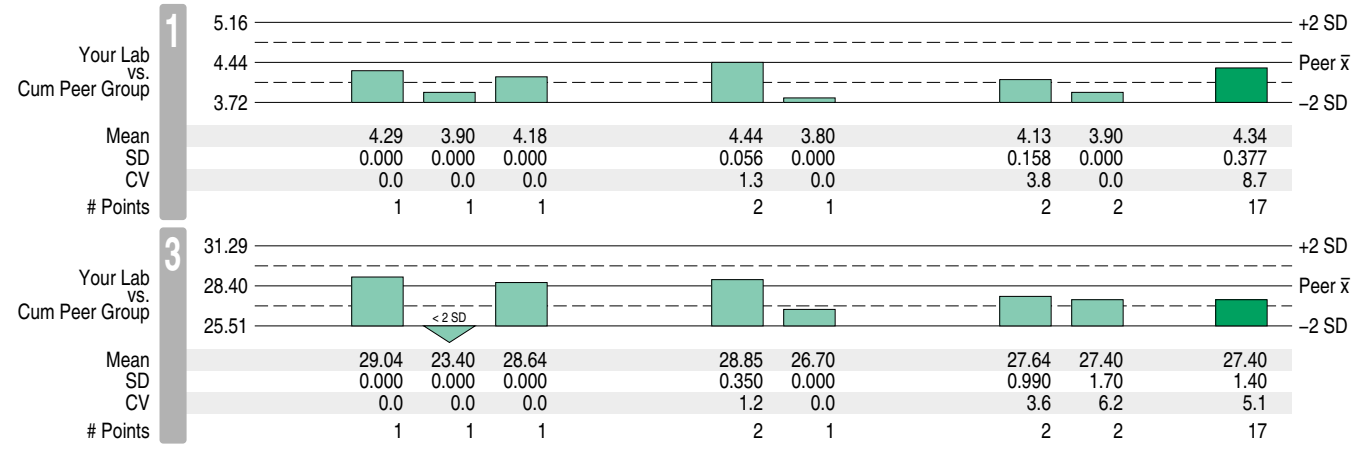
Siemens Dimension EXL • Dimension EXL–183197 • FT4L REF RF610 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 1.39 | 1.39 | 1.41 | 1.35 | 1.31 | 1.30 | 1.25 | 1.25 | 1.29 | 1.25 | 1.28 | 1.28 | 1.32 |
| SD | 0.043 | 0.049 | 0.037 | 0.052 | 0.029 | 0.045 | 0.041 | 0.038 | 0.049 | 0.038 | 0.032 | 0.043 | 0.072 |
| CV | 3.1 | 3.5 | 2.6 | 3.8 | 2.2 | 3.5 | 3.3 | 3.0 | 3.8 | 3.0 | 2.5 | 3.4 | 5.5 |
| # Points | 33 | 33 | 31 | 31 | 31 | 33 | 38 | 34 | 30 | 34 | 30 | 30 | 486 |
| Mean | 4.62 | 4.58 | 4.53 | 4.54 | 4.46 | 4.47 | 4.18 | 4.12 | 4.36 | 4.14 | 4.23 | 4.27 | 4.40 |
| SD | 0.184 | 0.193 | 0.109 | 0.127 | 0.102 | 0.162 | 0.132 | 0.133 | 0.159 | 0.140 | 0.154 | 0.162 | 0.219 |
| CV | 4.0 | 4.2 | 2.4 | 2.8 | 2.3 | 3.6 | 3.2 | 3.2 | 3.6 | 3.4 | 3.6 | 3.8 | 5.0 |
| # Points | 33 | 33 | 31 | 31 | 31 | 34 | 37 | 34 | 30 | 34 | 31 | 30 | 487 |

## Theophylline Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • THEO REF DF71 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | 4.29 | 3.90 | 4.18 | | | 4.44 | 3.80 | | | 4.13 | 3.90 | 4.34 |
| SD | | 0.000 | 0.000 | 0.000 | | | 0.056 | 0.000 | | | 0.158 | 0.000 | 0.377 |
| CV | | 0.0 | 0.0 | 0.0 | | | 1.3 | 0.0 | | | 3.8 | 0.0 | 8.7 |
| # Points | | 1 | 1 | 1 | | | 2 | 1 | | | 2 | 2 | 17 |
| Mean | | 29.04 | 23.40 | 28.64 | | | 28.85 | 26.70 | | | 27.64 | 27.40 | 27.40 |
| SD | | 0.000 | 0.000 | 0.000 | | | 0.350 | 0.000 | | | 0.990 | 1.70 | 1.40 |
| CV | | 0.0 | 0.0 | 0.0 | | | 1.2 | 0.0 | | | 3.6 | 6.2 | 5.1 |
| # Points | | 1 | 1 | 1 | | | 2 | 1 | | | 2 | 2 | 17 |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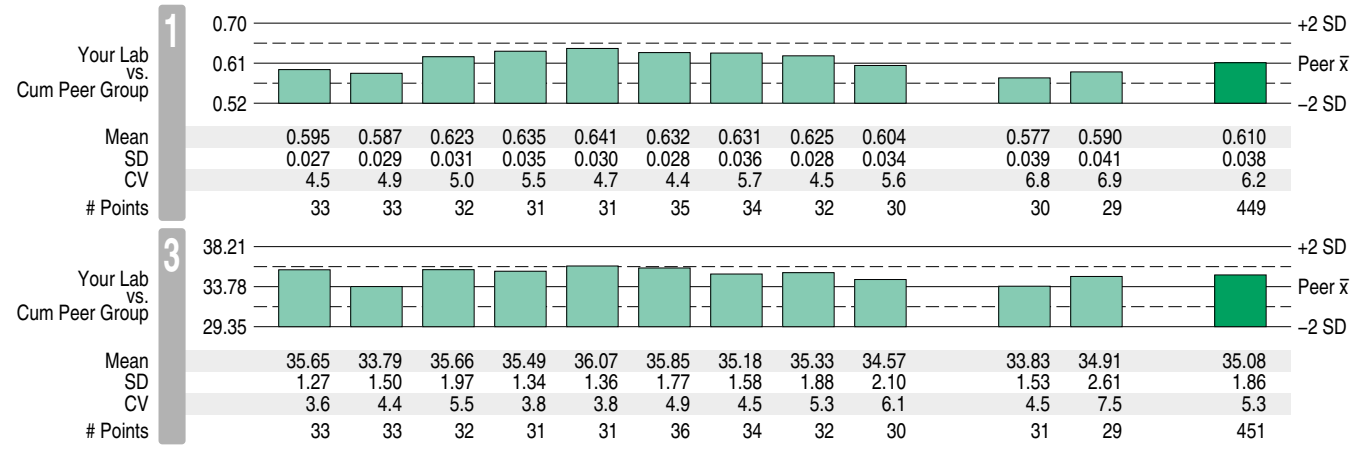
## TSH Chemiluminescence ÂµIU/mL

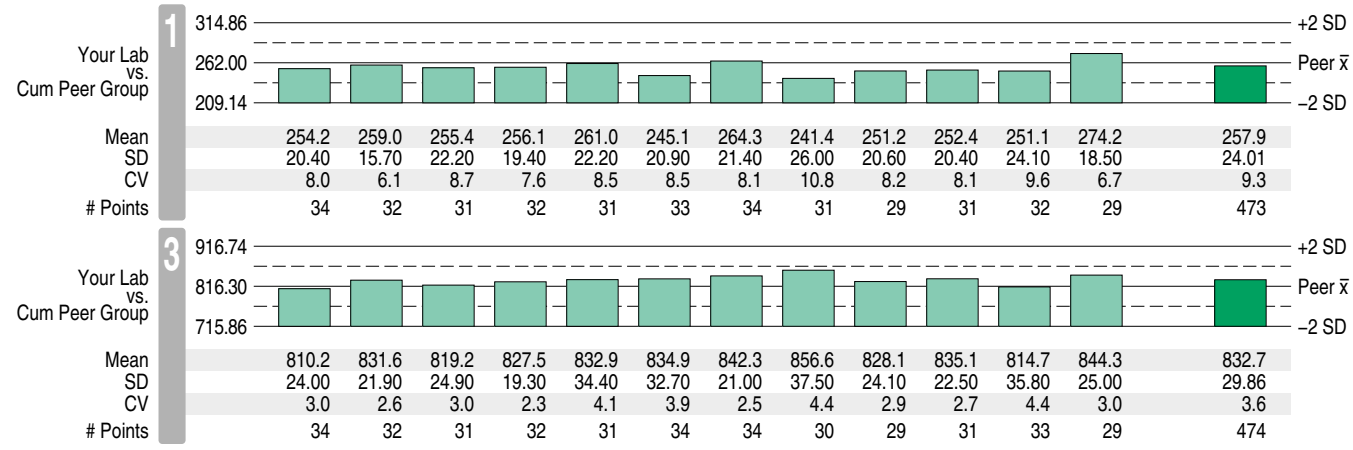
Siemens Dimension EXL • Dimension EXL–183197 • TSHL REF RF612 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 0.595 | 0.587 | 0.623 | 0.635 | 0.641 | 0.632 | 0.631 | 0.625 | 0.604 | | 0.577 | 0.590 | 0.610 |
| SD | 0.027 | 0.029 | 0.031 | 0.035 | 0.030 | 0.028 | 0.036 | 0.028 | 0.034 | | 0.039 | 0.041 | 0.038 |
| CV | 4.5 | 4.9 | 5.0 | 5.5 | 4.7 | 4.4 | 5.7 | 4.5 | 5.6 | | 6.8 | 6.9 | 6.2 |
| # Points | 33 | 33 | 32 | 31 | 31 | 35 | 34 | 32 | 30 | | 30 | 29 | 449 |
| Mean | 35.65 | 33.79 | 35.66 | 35.49 | 36.07 | 35.85 | 35.18 | 35.33 | 34.57 | | 33.83 | 34.91 | 35.08 |
| SD | 1.27 | 1.50 | 1.97 | 1.34 | 1.36 | 1.77 | 1.58 | 1.88 | 2.10 | | 1.53 | 2.61 | 1.86 |
| CV | 3.6 | 4.4 | 5.5 | 3.8 | 3.8 | 4.9 | 4.5 | 5.3 | 6.1 | | 4.5 | 7.5 | 5.3 |
| # Points | 33 | 33 | 32 | 31 | 31 | 36 | 34 | 32 | 30 | | 31 | 29 | 451 |

## Vitamin B12 Chemiluminescence pg/mL

Siemens Dimension EXL • Dimension EXL–183197 • VB12 REF RF642 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 254.2 | 259.0 | 255.4 | 256.1 | 261.0 | 245.1 | 264.3 | 241.4 | 251.2 | 252.4 | 251.1 | 274.2 | 257.9 |
| SD | 20.40 | 15.70 | 22.20 | 19.40 | 22.20 | 20.90 | 21.40 | 26.00 | 20.60 | 20.40 | 24.10 | 18.50 | 24.01 |
| CV | 8.0 | 6.1 | 8.7 | 7.6 | 8.5 | 8.5 | 8.1 | 10.8 | 8.2 | 8.1 | 9.6 | 6.7 | 9.3 |
| # Points | 34 | 32 | 31 | 32 | 31 | 33 | 34 | 31 | 29 | 31 | 32 | 29 | 473 |
| Mean | 810.2 | 831.6 | 819.2 | 827.5 | 832.9 | 834.9 | 842.3 | 856.6 | 828.1 | 835.1 | 814.7 | 844.3 | 832.7 |
| SD | 24.00 | 21.90 | 24.90 | 19.30 | 34.40 | 32.70 | 21.00 | 37.50 | 24.10 | 22.50 | 35.80 | 25.00 | 29.86 |
| CV | 3.0 | 2.6 | 3.0 | 2.3 | 4.1 | 3.9 | 2.5 | 4.4 | 2.9 | 2.7 | 4.4 | 3.0 | 3.6 |
| # Points | 34 | 32 | 31 | 32 | 31 | 34 | 34 | 30 | 29 | 31 | 33 | 29 | 474 |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# Monthly Evaluation Report

Immunoassay Plus • 85300 • 30–Nov–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.

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**February 2022 • 100297**

# Laboratory Comparison Report

Immunoassay Plus • 85300 • 30–Nov–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Acetaminophen — Enzymatic, colorimetric — Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • ACTM REF DF88 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Siemens Dimension Series | | Enzymatic, colorimetric | |
| 1 | • Peer CVR | 0.3 | 0.2 | Mean | 17.94 | 17.94 | 17.68 | 17.31 | 13.91 | 13.93 |
| | □Method CVR | 0.1 | 0.1 | SD | 0.336 | 0.336 | 1.20 | 1.38 | 3.68 | 3.66 |
| | • Peer SDI | 0.22 | 0.46 | CV | 1.9 | 1.9 | 6.8 | 8.0 | 26.5 | 26.3 |
| | □Method SDI | 1.09 | 1.10 | # Points | 5 | 5 | 1694 | 2869 | 6607 | 10796 |
| | | | | # Labs | | | 93 | 99 | 286 | 296 |
| 3 | • Peer CVR | 0.4 | 0.4 | Mean | 114.8 | 114.8 | 114.8 | 114.7 | 113.8 | 113.9 |
| | □Method CVR | 0.1 | 0.1 | SD | 0.820 | 0.820 | 2.06 | 2.22 | 7.71 | 7.37 |
| | • Peer SDI | 0.04 | 0.06 | CV | 0.7 | 0.7 | 1.8 | 1.9 | 6.8 | 6.5 |
| | □Method SDI | 0.14 | 0.13 | # Points | 5 | 5 | 1593 | 2755 | 6742 | 10950 |
| | | | | # Labs | | | 89 | 95 | 292 | 304 |

## Carbamazepine (Tegretol) — Immunoturbidimetric — Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • CRBM REF DF87 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| 1 | • Peer CVR | 1.0 | 1.0 | Mean | 2.68 | 2.68 | 2.67 | 2.70 | 2.60 | 2.60 |
| | □Method CVR | 0.7 | 0.7 | SD | 0.205 | 0.205 | 0.196 | 0.216 | 0.283 | 0.284 |
| | • Peer SDI | 0.03 | –0.11 | CV | 7.6 | 7.6 | 7.3 | 8.0 | 10.9 | 10.9 |
| | □Method SDI | 0.28 | 0.27 | # Points | 5 | 5 | 464 | 836 | 3058 | 5323 |
| | | | | # Labs | | | 31 | 34 | 142 | 147 |
| 3 | • Peer CVR | 0.5 | 0.5 | Mean | 12.12 | 12.12 | 12.35 | 12.32 | 12.24 | 12.20 |
| | □Method CVR | 0.4 | 0.4 | SD | 0.295 | 0.295 | 0.557 | 0.558 | 0.773 | 0.778 |
| | • Peer SDI | –0.41 | –0.36 | CV | 2.4 | 2.4 | 4.5 | 4.5 | 6.3 | 6.4 |
| | □Method SDI | –0.16 | –0.10 | # Points | 5 | 5 | 425 | 787 | 2814 | 4917 |
| | | | | # Labs | | | 29 | 32 | 134 | 141 |

## Digoxin — EIA — ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • DGNA REF DF35A : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Siemens Dimension Series | | EIA | |
| 1 | • Peer CVR | 0.4 | 0.4 | Mean | 1.20 | 1.20 | 1.21 | 1.19 | 1.15 | 1.14 |
| | □Method CVR | 0.4 | 0.3 | SD | 0.058 | 0.058 | 0.137 | 0.156 | 0.153 | 0.164 |
| | • Peer SDI | –0.09 | 0.10 | CV | 4.8 | 4.8 | 11.3 | 13.2 | 13.3 | 14.4 |
| | □Method SDI | 0.34 | 0.39 | # Points | 5 | 5 | 1201 | 1982 | 4077 | 7127 |
| | | | | # Labs | | | 72 | 77 | 160 | 172 |
| 3 | • Peer CVR | 0.5 | 0.5 | Mean | 3.19 | 3.19 | 3.29 | 3.30 | 3.19 | 3.19 |
| | □Method CVR | 0.3 | 0.3 | SD | 0.076 | 0.076 | 0.164 | 0.155 | 0.255 | 0.266 |
| | • Peer SDI | –0.61 | –0.69 | CV | 2.4 | 2.4 | 5.0 | 4.7 | 8.0 | 8.3 |
| | □Method SDI | 0.00 | 0.01 | # Points | 5 | 5 | 1169 | 2018 | 4070 | 7136 |
| | | | | # Labs | | | 69 | 73 | 161 | 171 |

## Ferritin — EIA — ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • FERR REF RF440 : FERR Cal REF RC440 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Siemens Dimension Series | | EIA | |
| 1 | • Peer CVR | 0.4 | 0.4 | Mean | 34.60 | 34.60 | 35.83 | 35.85 | 35.43 | 35.18 |
| | □Method CVR | 0.2 | 0.2 | SD | 0.550 | 0.550 | 1.58 | 1.56 | 2.63 | 3.00 |
| | • Peer SDI | –0.78 | –0.80 | CV | 1.6 | 1.6 | 4.4 | 4.4 | 7.4 | 8.5 |
| | □Method SDI | –0.32 | –0.19 | # Points | 5 | 5 | 1316 | 2200 | 1364 | 2350 |
| | | | | # Labs | | | 72 | 73 | 74 | 75 |
| 3 | • Peer CVR | 0.6 | 0.4 | Mean | 430.2 | 430.2 | 434.8 | 430.6 | 428.4 | 420.1 |
| | □Method CVR | 0.2 | 0.2 | SD | 8.60 | 8.60 | 15.57 | 19.90 | 35.56 | 43.91 |
| | • Peer SDI | –0.30 | –0.02 | CV | 2.0 | 2.0 | 3.6 | 4.6 | 8.3 | 10.5 |
| | □Method SDI | 0.05 | 0.23 | # Points | 5 | 5 | 1189 | 2081 | 1237 | 2231 |
| | | | | # Labs | | | 66 | 68 | 68 | 70 |

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.

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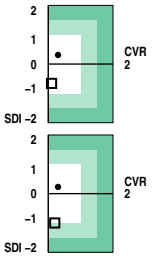
## Folate Chemiluminescence ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • FOLA REF RF644 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.3 | 0.2 |
| □Method CVR | 1 | 0.1 | 0.1 |
| • Peer SDI | 1 | 0.31 | 0.55 |
| □Method SDI | 1 | –0.66 | –0.77 |
| • Peer CVR | 3 | 0.3 | 0.3 |
| □Method CVR | 3 | 0.2 | 0.2 |
| • Peer SDI | 3 | 0.23 | 0.41 |
| □Method SDI | 3 | –1.00 | –1.05 |

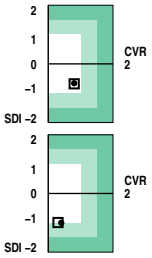



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 1 | 2.54 | 2.54 | 2.43 | 2.35 | 3.17 | 3.22 |
| SD | 1 | 0.089 | 0.089 | 0.341 | 0.343 | 0.948 | 0.882 |
| CV | 1 | 3.5 | 3.5 | 14.0 | 14.6 | 29.9 | 27.4 |
| # Points | 1 | 5 | 5 | 965 | 1974 | 14144 | 27333 |
| # Labs | 1 | | | 50 | 51 | 469 | 490 |
| Mean | 3 | 10.04 | 10.04 | 9.73 | 9.50 | 13.76 | 13.89 |
| SD | 3 | 0.439 | 0.439 | 1.32 | 1.31 | 3.73 | 3.68 |
| CV | 3 | 4.4 | 4.4 | 13.6 | 13.8 | 27.1 | 26.5 |
| # Points | 3 | 5 | 5 | 932 | 1984 | 12465 | 23212 |
| # Labs | 3 | | | 46 | 47 | 421 | 442 |

## hCG EIA mIU/mL

Siemens Dimension EXL • Dimension EXL–183197 • HCG REF RF430/530 : HCG Cal REF RC430 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.8 | 0.7 |
| □Method CVR | 1 | 0.8 | 0.7 |
| • Peer SDI | 1 | –0.66 | –0.50 |
| □Method SDI | 1 | –0.68 | –0.54 |
| • Peer CVR | 3 | 0.4 | 0.3 |
| □Method CVR | 3 | 0.3 | 0.3 |
| • Peer SDI | 3 | –1.00 | –1.07 |
| □Method SDI | 3 | –0.99 | –1.11 |

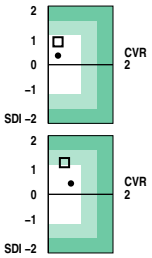



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | EIA | |
| Mean | 1 | 5.80 | 5.80 | 6.18 | 6.13 | 6.20 | 6.16 |
| SD | 1 | 0.447 | 0.447 | 0.587 | 0.664 | 0.588 | 0.666 |
| CV | 1 | 7.7 | 7.7 | 9.5 | 10.8 | 9.5 | 10.8 |
| # Points | 1 | 5 | 5 | 2451 | 4127 | 2507 | 4335 |
| # Labs | 1 | | | 135 | 141 | 136 | 142 |
| Mean | 3 | 435.4 | 435.4 | 457.1 | 470.0 | 458.5 | 471.9 |
| SD | 3 | 7.70 | 7.70 | 21.65 | 32.24 | 23.34 | 32.78 |
| CV | 3 | 1.8 | 1.8 | 4.7 | 6.9 | 5.1 | 6.9 |
| # Points | 3 | 5 | 5 | 2290 | 4448 | 2346 | 4656 |
| # Labs | 3 | | | 127 | 132 | 128 | 133 |

## Phenobarbital Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • PHNO REF DF60 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.3 | 0.3 |
| □Method CVR | 1 | 0.3 | 0.3 |
| • Peer SDI | 1 | 0.31 | 0.31 |
| □Method SDI | 1 | 0.78 | 0.78 |
| • Peer CVR | 3 | 0.7 | 0.7 |
| □Method CVR | 3 | 0.5 | 0.5 |
| • Peer SDI | 3 | 0.37 | 0.35 |
| □Method SDI | 3 | 1.08 | 1.10 |

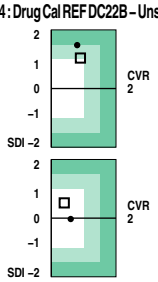



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| Mean | 1 | 10.92 | 10.92 | 10.56 | 10.54 | 9.97 | 9.96 |
| SD | 1 | 0.402 | 0.402 | 1.16 | 1.23 | 1.23 | 1.23 |
| CV | 1 | 3.7 | 3.7 | 11.0 | 11.6 | 12.3 | 12.4 |
| # Points | 1 | 5 | 5 | 511 | 941 | 2470 | 4534 |
| # Labs | 1 | | | 32 | 36 | 115 | 122 |
| Mean | 3 | 55.56 | 55.56 | 54.44 | 54.51 | 51.55 | 51.64 |
| SD | 3 | 2.09 | 2.09 | 3.07 | 2.99 | 3.70 | 3.56 |
| CV | 3 | 3.8 | 3.8 | 5.6 | 5.5 | 7.2 | 6.9 |
| # Points | 3 | 5 | 5 | 434 | 863 | 2261 | 4223 |
| # Labs | 3 | | | 28 | 32 | 106 | 115 |

## Phenytoin (Dilantin) Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • PTN REF DF64 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.8 | 0.8 |
| □Method CVR | 1 | 0.9 | 0.9 |
| • Peer SDI | 1 | 1.48 | 1.46 |
| □Method SDI | 1 | 1.04 | 1.04 |
| • Peer CVR | 3 | 0.6 | 0.6 |
| □Method CVR | 3 | 0.4 | 0.4 |
| • Peer SDI | 3 | –0.03 | 0.04 |
| □Method SDI | 3 | 0.52 | 0.53 |

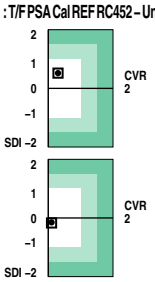



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| Mean | 1 | 5.06 | 5.06 | 4.33 | 4.31 | 4.56 | 4.55 |
| SD | 1 | 0.472 | 0.472 | 0.490 | 0.511 | 0.484 | 0.487 |
| CV | 1 | 9.3 | 9.3 | 11.3 | 11.8 | 10.6 | 10.7 |
| # Points | 1 | 5 | 5 | 997 | 1738 | 3227 | 5587 |
| # Labs | 1 | | | 60 | 63 | 151 | 157 |
| Mean | 3 | 21.34 | 21.34 | 21.37 | 21.30 | 20.62 | 20.62 |
| SD | 3 | 0.559 | 0.559 | 1.00 | 1.01 | 1.39 | 1.35 |
| CV | 3 | 2.6 | 2.6 | 4.7 | 4.7 | 6.7 | 6.5 |
| # Points | 3 | 5 | 5 | 974 | 1745 | 3151 | 5472 |
| # Labs | 3 | | | 58 | 62 | 148 | 157 |

## PSA, Total EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • TPSA REF RF451 : T/F PSA Cal REF RC452 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.3 | 0.2 |
| □Method CVR | 1 | 0.3 | 0.2 |
| • Peer SDI | 1 | 0.52 | 0.65 |
| □Method SDI | 1 | 0.52 | 0.65 |
| • Peer CVR | 3 | 0.1 | 0.1 |
| □Method CVR | 3 | 0.1 | 0.1 |
| • Peer SDI | 3 | –0.15 | 0.00 |
| □Method SDI | 3 | –0.17 | –0.02 |




| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | EIA | |
| Mean | 1 | 0.398 | 0.398 | 0.373 | 0.352 | 0.373 | 0.353 |
| SD | 1 | 0.013 | 0.013 | 0.048 | 0.070 | 0.047 | 0.069 |
| CV | 1 | 3.3 | 3.3 | 12.8 | 19.8 | 12.6 | 19.5 |
| # Points | 1 | 5 | 5 | 1563 | 2869 | 1605 | 2977 |
| # Labs | 1 | | | 86 | 88 | 88 | 90 |
| Mean | 3 | 19.46 | 19.46 | 19.63 | 19.46 | 19.64 | 19.49 |
| SD | 3 | 0.122 | 0.122 | 1.10 | 1.25 | 1.10 | 1.24 |
| CV | 3 | 0.6 | 0.6 | 5.6 | 6.4 | 5.6 | 6.4 |
| # Points | 3 | 5 | 5 | 1622 | 2997 | 1664 | 3103 |
| # Labs | 3 | | | 86 | 88 | 88 | 90 |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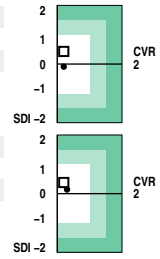
## Salicylate Trinder mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • SAL REF DF20 : SAL Cal REF DC38 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.2 | 0.2 |
| □Method CVR | 1 | 0.2 | 0.2 |
| • Peer SDI | 1 | –0.09 | 0.01 |
| □Method SDI | 1 | 0.43 | 0.51 |
| • Peer CVR | 3 | 0.3 | 0.3 |
| □Method CVR | 3 | 0.2 | 0.2 |
| • Peer SDI | 3 | 0.14 | 0.05 |
| □Method SDI | 3 | 0.38 | 0.30 |

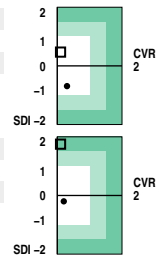



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Trinder | |
| Mean | 1 | 8.70 | 8.70 | 8.73 | 8.70 | 8.54 | 8.52 |
| SD | 1 | 0.071 | 0.071 | 0.343 | 0.312 | 0.386 | 0.358 |
| CV | 1 | 0.8 | 0.8 | 3.9 | 3.6 | 4.5 | 4.2 |
| # Points | 1 | 5 | 5 | 1922 | 3440 | 3270 | 5829 |
| # Labs | 1 | | | 104 | 111 | 162 | 171 |
| Mean | 3 | 37.14 | 37.14 | 37.06 | 37.11 | 36.91 | 36.94 |
| SD | 3 | 0.150 | 0.150 | 0.525 | 0.557 | 0.614 | 0.663 |
| CV | 3 | 0.4 | 0.4 | 1.4 | 1.5 | 1.7 | 1.8 |
| # Points | 3 | 5 | 5 | 1826 | 3339 | 3165 | 5730 |
| # Labs | 3 | | | 100 | 106 | 160 | 168 |

## T4, Free Chemiluminescence ng/dL

Siemens Dimension EXL • Dimension EXL–183197 • FT4L REF RF610 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.3 | 0.2 |
| □Method CVR | 1 | 0.1 | 0.1 |
| • Peer SDI | 1 | –0.69 | –0.79 |
| □Method SDI | 1 | 0.47 | 0.47 |
| • Peer CVR | 3 | 0.2 | 0.2 |
| □Method CVR | 3 | 0.1 | 0.2 |
| • Peer SDI | 3 | –0.20 | 0.15 |
| □Method SDI | 3 | 1.75 | 4.61 |

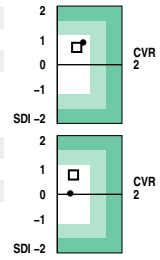



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 1 | 1.08 | 1.08 | 1.13 | 1.18 | 0.966 | 0.965 |
| SD | 1 | 0.020 | 0.020 | 0.077 | 0.128 | 0.242 | 0.245 |
| CV | 1 | 1.9 | 1.9 | 6.8 | 10.9 | 25.0 | 25.4 |
| # Points | 1 | 5 | 5 | 1891 | 3601 | 20005 | 37778 |
| # Labs | 1 | | | 95 | 96 | 691 | 728 |
| Mean | 3 | 5.21 | 5.21 | 5.27 | 5.14 | 3.92 | 3.80 |
| SD | 3 | 0.068 | 0.068 | 0.323 | 0.423 | 0.733 | 0.305 |
| CV | 3 | 1.3 | 1.3 | 6.1 | 8.2 | 18.7 | 8.0 |
| # Points | 3 | 5 | 5 | 1802 | 3569 | 17576 | 234K |
| # Labs | 3 | | | 92 | 94 | 582 | 615 |

## Theophylline Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • THEO REF DF71 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.8 | 0.7 |
| □Method CVR | 1 | 0.6 | 0.6 |
| • Peer SDI | 1 | 0.76 | 0.71 |
| □Method SDI | 1 | 0.59 | 0.50 |
| • Peer CVR | 3 | 0.4 | 0.4 |
| □Method CVR | 3 | 0.5 | 0.5 |
| • Peer SDI | 3 | 0.03 | 0.24 |
| □Method SDI | 3 | 0.66 | 0.71 |

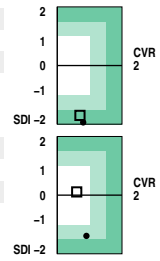



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| Mean | 1 | 4.44 | 4.44 | 4.23 | 4.21 | 4.23 | 4.26 |
| SD | 1 | 0.230 | 0.230 | 0.270 | 0.319 | 0.358 | 0.353 |
| CV | 1 | 5.2 | 5.2 | 6.4 | 7.6 | 8.5 | 8.3 |
| # Points | 1 | 5 | 5 | 369 | 618 | 1695 | 2915 |
| # Labs | 1 | | | 23 | 28 | 77 | 84 |
| Mean | 3 | 29.08 | 29.08 | 29.03 | 28.63 | 28.06 | 28.03 |
| SD | 3 | 0.779 | 0.779 | 1.86 | 1.86 | 1.53 | 1.48 |
| CV | 3 | 2.7 | 2.7 | 6.4 | 6.5 | 5.4 | 5.3 |
| # Points | 3 | 5 | 5 | 307 | 549 | 1537 | 2688 |
| # Labs | 3 | | | 19 | 23 | 71 | 79 |

## TSH Chemiluminescence ÂµIU/mL

Siemens Dimension EXL • Dimension EXL–183197 • TSHL REF RF612 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.8 | 0.6 |
| □Method CVR | 1 | 0.7 | 0.7 |
| • Peer SDI | 1 | –1.94 | –1.05 |
| □Method SDI | 1 | –1.70 | –1.52 |
| • Peer CVR | 3 | 0.9 | 0.9 |
| □Method CVR | 3 | 0.6 | 0.6 |
| • Peer SDI | 3 | –1.39 | –1.55 |
| □Method SDI | 3 | 0.11 | 0.04 |

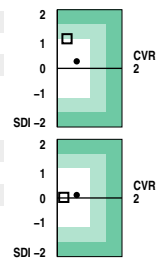



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 1 | 0.619 | 0.619 | 0.725 | 0.696 | 0.715 | 0.708 |
| SD | 1 | 0.037 | 0.037 | 0.055 | 0.073 | 0.057 | 0.059 |
| CV | 1 | 5.9 | 5.9 | 7.6 | 10.6 | 7.9 | 8.3 |
| # Points | 1 | 5 | 5 | 2348 | 4538 | 23029 | 41600 |
| # Labs | 1 | | | 122 | 123 | 882 | 920 |
| Mean | 3 | 29.28 | 29.28 | 32.23 | 32.59 | 28.97 | 29.15 |
| SD | 3 | 1.71 | 1.71 | 2.12 | 2.13 | 2.88 | 2.99 |
| CV | 3 | 5.9 | 5.9 | 6.6 | 6.5 | 9.9 | 10.3 |
| # Points | 3 | 5 | 5 | 2330 | 4537 | 22625 | 41891 |
| # Labs | 3 | | | 121 | 122 | 879 | 918 |

## Vitamin B12 Chemiluminescence pg/mL

Siemens Dimension EXL • Dimension EXL–183197 • VB12 REF RF642 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.6 | 0.6 |
| □Method CVR | 1 | 0.3 | 0.3 |
| • Peer SDI | 1 | 0.24 | 0.03 |
| □Method SDI | 1 | 1.01 | 0.94 |
| • Peer CVR | 3 | 0.6 | 0.7 |
| □Method CVR | 3 | 0.2 | 0.2 |
| • Peer SDI | 3 | 0.10 | 0.18 |
| □Method SDI | 3 | 0.02 | 0.05 |




| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Chemiluminescence | |
| Mean | 1 | 241.4 | 241.4 | 234.9 | 240.5 | 196.8 | 197.1 |
| SD | 1 | 15.60 | 15.60 | 27.45 | 26.25 | 44.33 | 47.09 |
| CV | 1 | 6.5 | 6.5 | 11.7 | 10.9 | 22.5 | 23.9 |
| # Points | 1 | 5 | 5 | 941 | 1986 | 17704 | 31292 |
| # Labs | 1 | | | 54 | 55 | 519 | 543 |
| Mean | 3 | 679.6 | 679.6 | 675.8 | 673.2 | 677.8 | 674.6 |
| SD | 3 | 23.00 | 23.00 | 37.21 | 34.85 | 106.8 | 106.6 |
| CV | 3 | 3.4 | 3.4 | 5.5 | 5.2 | 15.8 | 15.8 |
| # Points | 3 | 5 | 5 | 831 | 1351 | 17242 | 30227 |
| # Labs | 3 | | | 46 | 47 | 514 | 534 |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**February 2022 • 100297**

# Laboratory Histogram

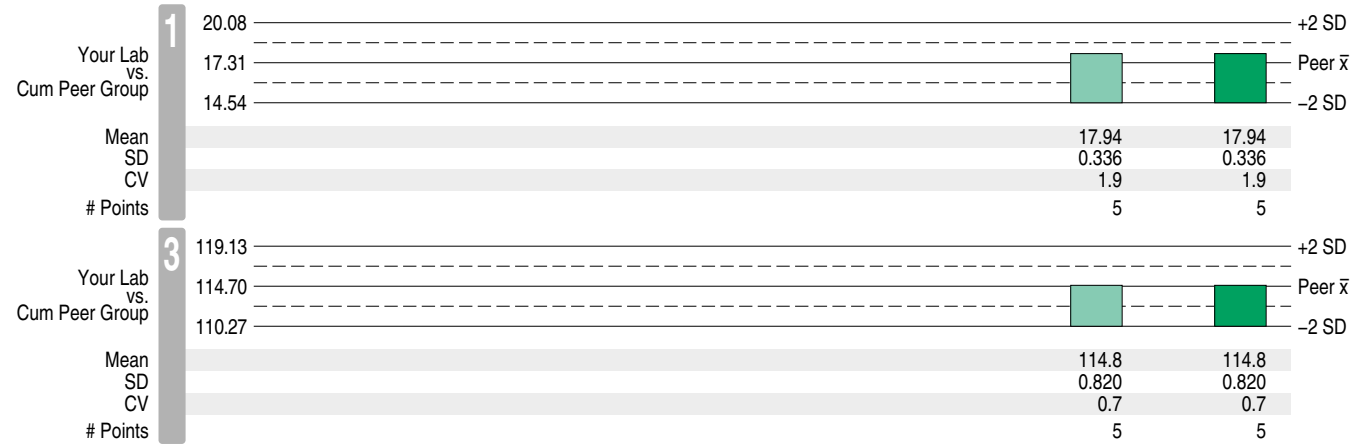
Immunoassay Plus • Lot 85300 • Exp 30–Nov–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Acetaminophen Enzymatic, colorimetric Âµg/mL

Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum

Siemens Dimension EXL • Dimension EXL–183197 • ACTM REF DF88 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***



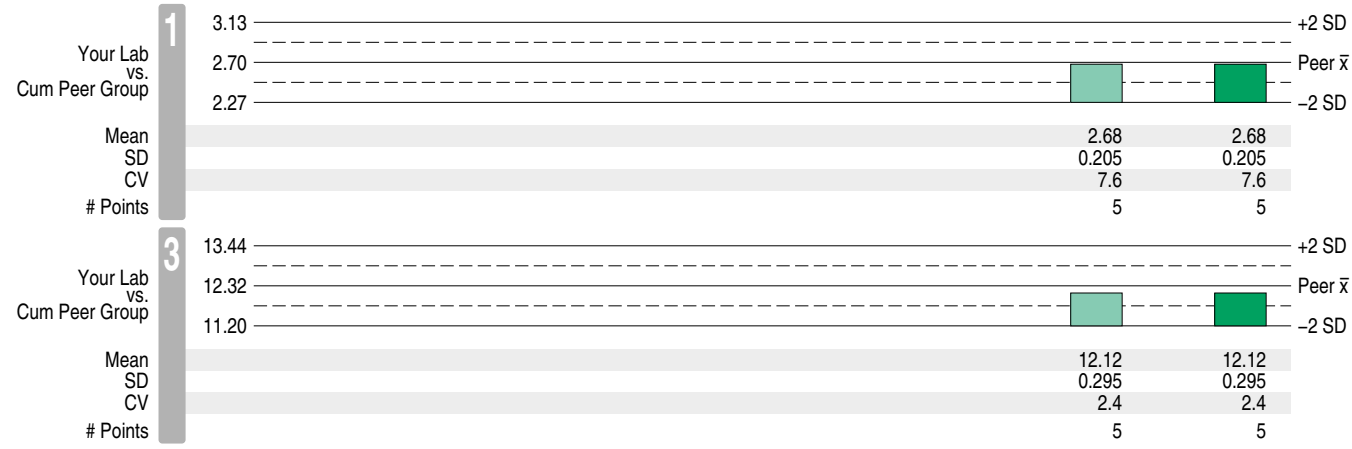

| | Feb | Cum |
|---|---|---|
| Mean | 17.94 | 17.94 |
| SD | 0.336 | 0.336 |
| CV | 1.9 | 1.9 |
| # Points | 5 | 5 |

| | Feb | Cum |
|---|---|---|
| Mean | 114.8 | 114.8 |
| SD | 0.820 | 0.820 |
| CV | 0.7 | 0.7 |
| # Points | 5 | 5 |

## Carbamazepine (Tegretol) Immunoturbidimetric Âµg/mL

Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum

Siemens Dimension EXL • Dimension EXL–183197 • CRBM REF DF87 : Drug Cal II REF DC49D – Unspecified *** – Unspecified ***



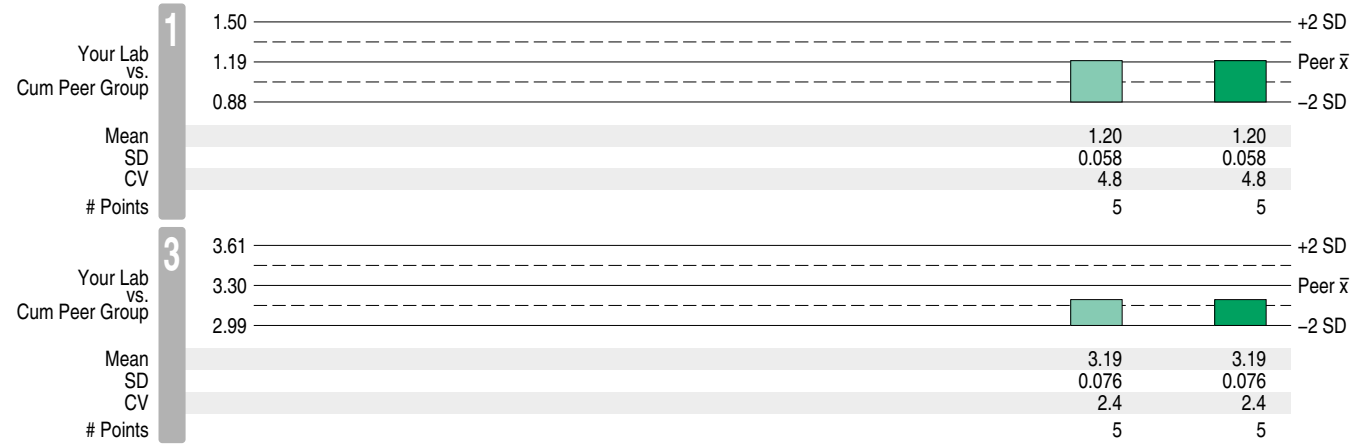

| | Feb | Cum |
|---|---|---|
| Mean | 2.68 | 2.68 |
| SD | 0.205 | 0.205 |
| CV | 7.6 | 7.6 |
| # Points | 5 | 5 |

| | Feb | Cum |
|---|---|---|
| Mean | 12.12 | 12.12 |
| SD | 0.295 | 0.295 |
| CV | 2.4 | 2.4 |
| # Points | 5 | 5 |

## Digoxin EIA ng/mL

Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum

Siemens Dimension EXL • Dimension EXL–183197 • DGNA REF DF35A : Drug Cal REF DC22B – Unspecified *** – Unspecified ***




| | Feb | Cum |
|---|---|---|
| Mean | 1.20 | 1.20 |
| SD | 0.058 | 0.058 |
| CV | 4.8 | 4.8 |
| # Points | 5 | 5 |

| | Feb | Cum |
|---|---|---|
| Mean | 3.19 | 3.19 |
| SD | 0.076 | 0.076 |
| CV | 2.4 | 2.4 |
| # Points | 5 | 5 |

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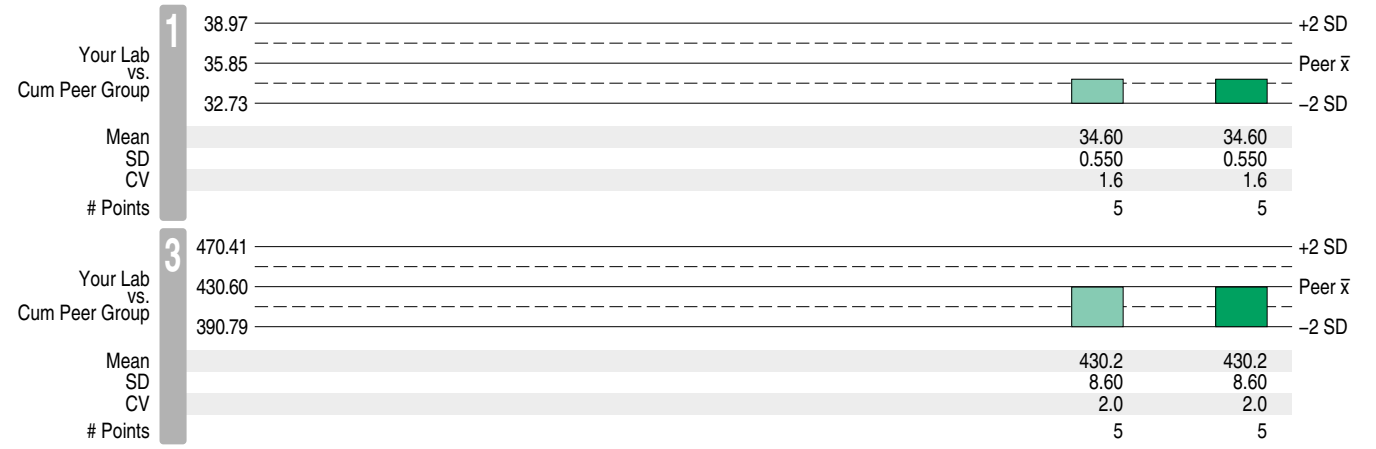
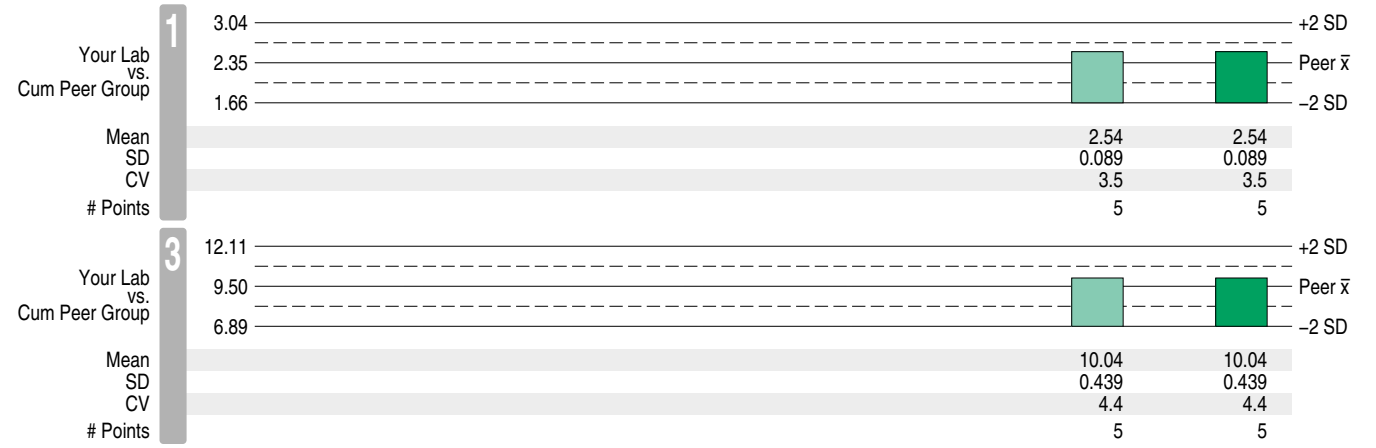
## Ferritin EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • FERR REF RF440 : FERR Cal REF RC440 – Unspecified *** – Unspecified ***



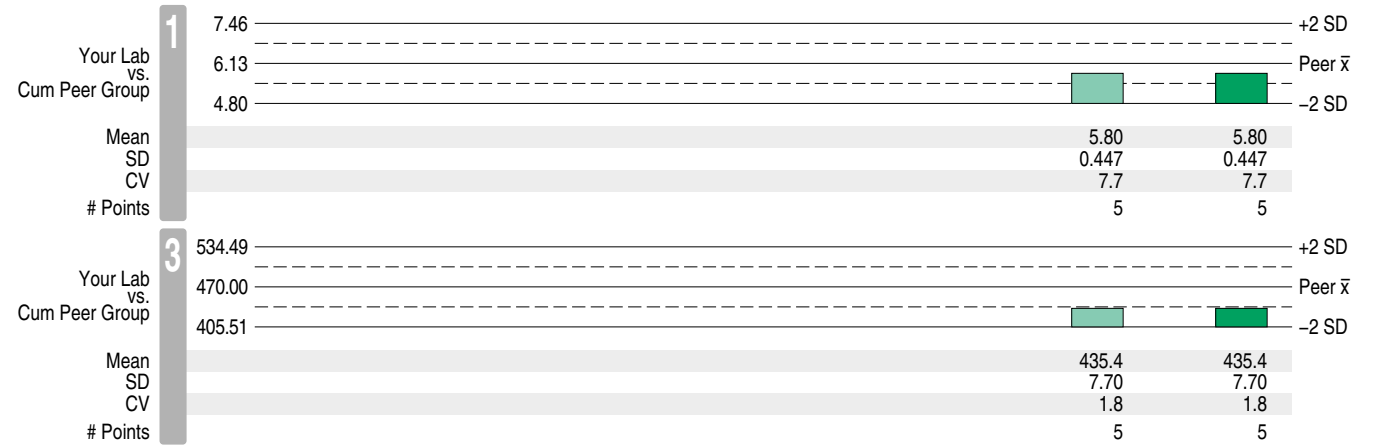

## Folate Chemiluminescence ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • FOLA REF RF644 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***




## hCG EIA mIU/mL

Siemens Dimension EXL • Dimension EXL–183197 • HCG REF RF430/530 : HCG Cal REF RC430 – Unspecified *** – Unspecified ***





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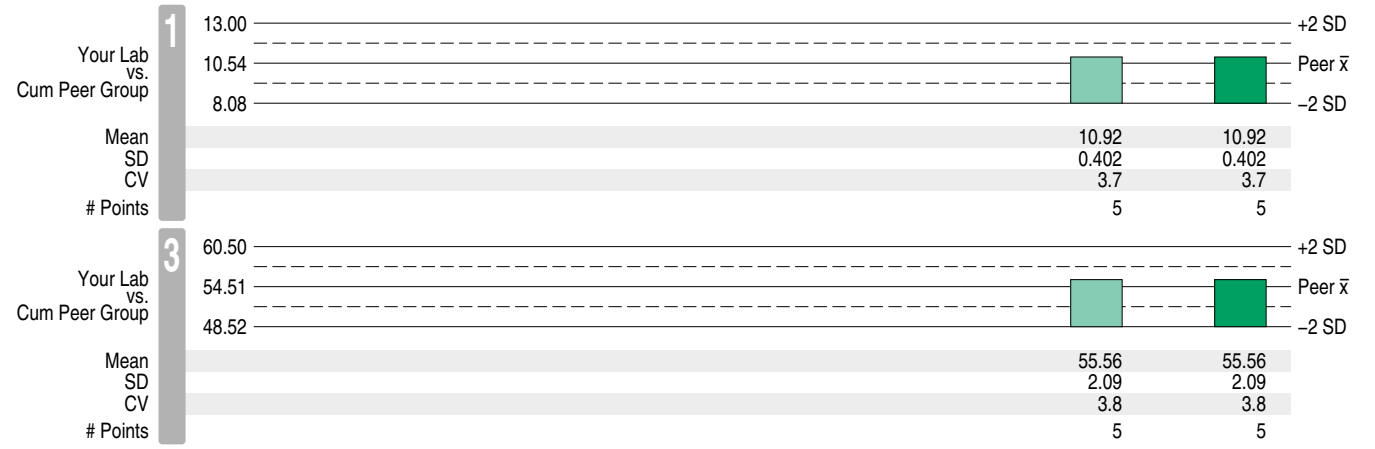
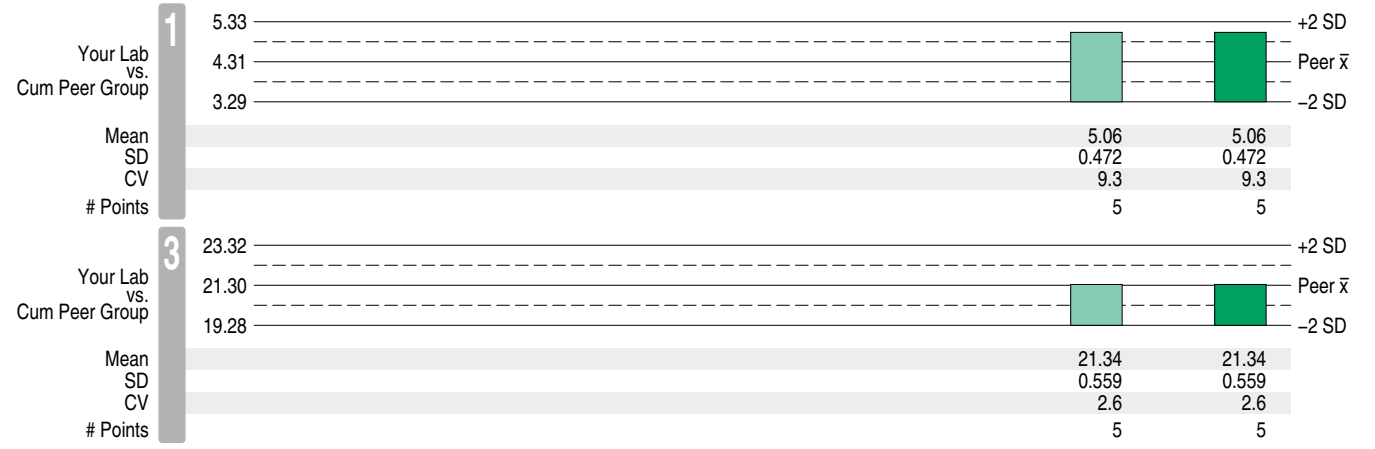
## Phenobarbital Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • PHNO REF DF60 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***



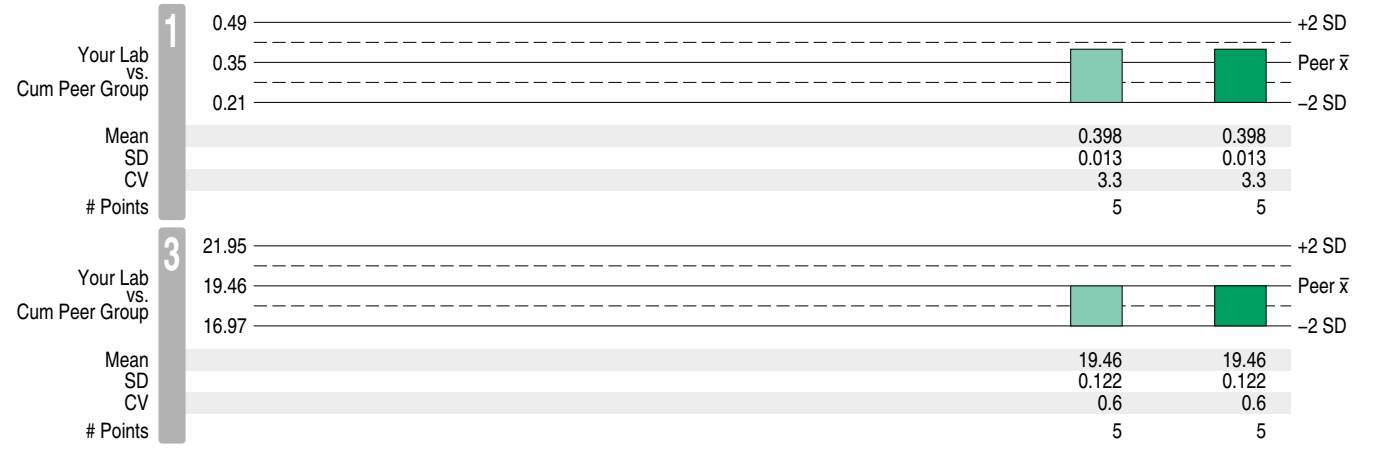

## Phenytoin (Dilantin) Immunoturbidimetric Âµg/mL

Siemens Dimension EXL • Dimension EXL–183197 • PTN REF DF64 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***




## PSA, Total EIA ng/mL

Siemens Dimension EXL • Dimension EXL–183197 • TPSA REF RF451 : T/F PSA Cal REF RC452 – Unspecified *** – Unspecified ***





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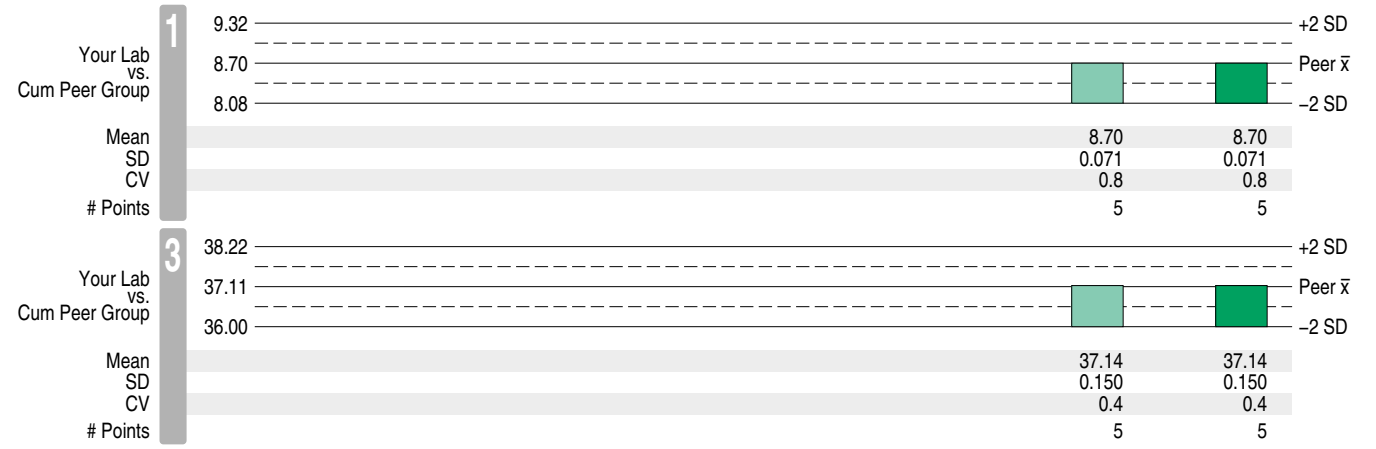
## Salicylate Trinder mg/dL

Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum

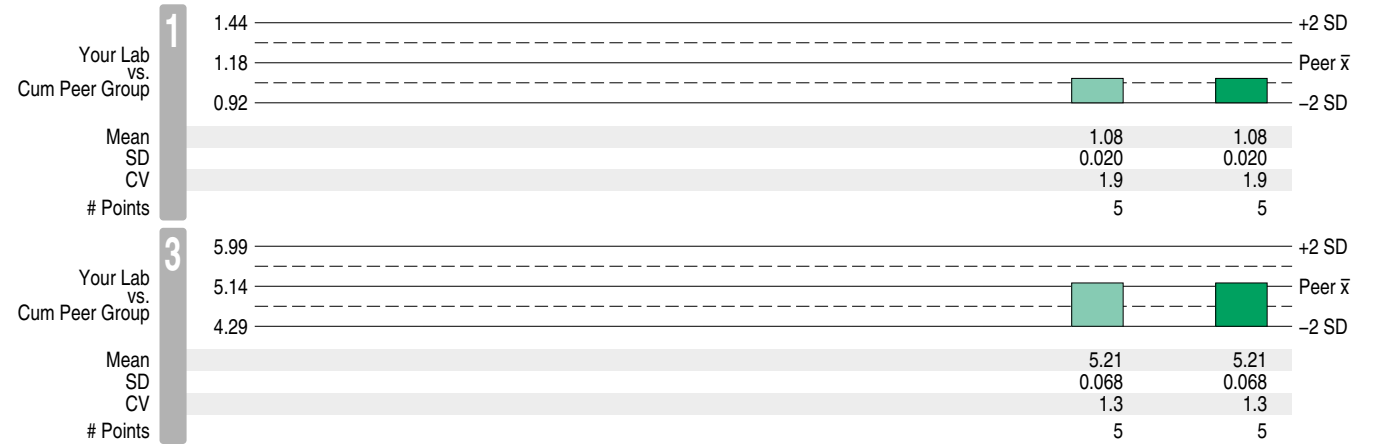
Siemens Dimension EXL • Dimension EXL–183197 • SAL REF DF20 : SAL Cal REF DC38 – Unspecified *** – Unspecified ***




## T4, Free Chemiluminescence ng/dL

Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum

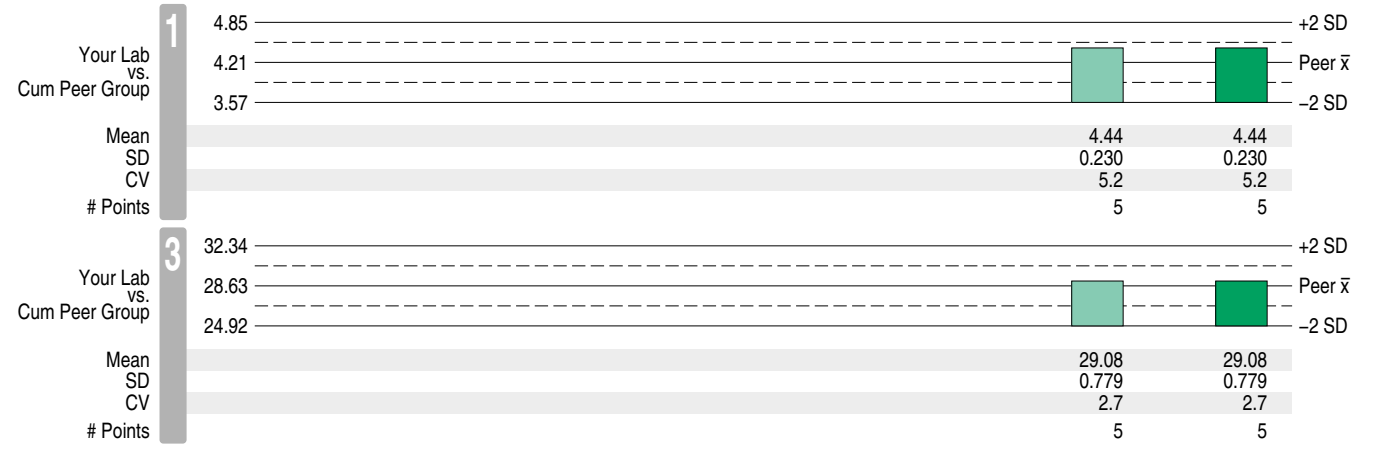
Siemens Dimension EXL • Dimension EXL–183197 • FT4L REF RF610 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***




## Theophylline Immunoturbidimetric Âµg/mL

Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum

Siemens Dimension EXL • Dimension EXL–183197 • THEO REF DF71 : Drug Cal REF DC22B – Unspecified *** – Unspecified ***





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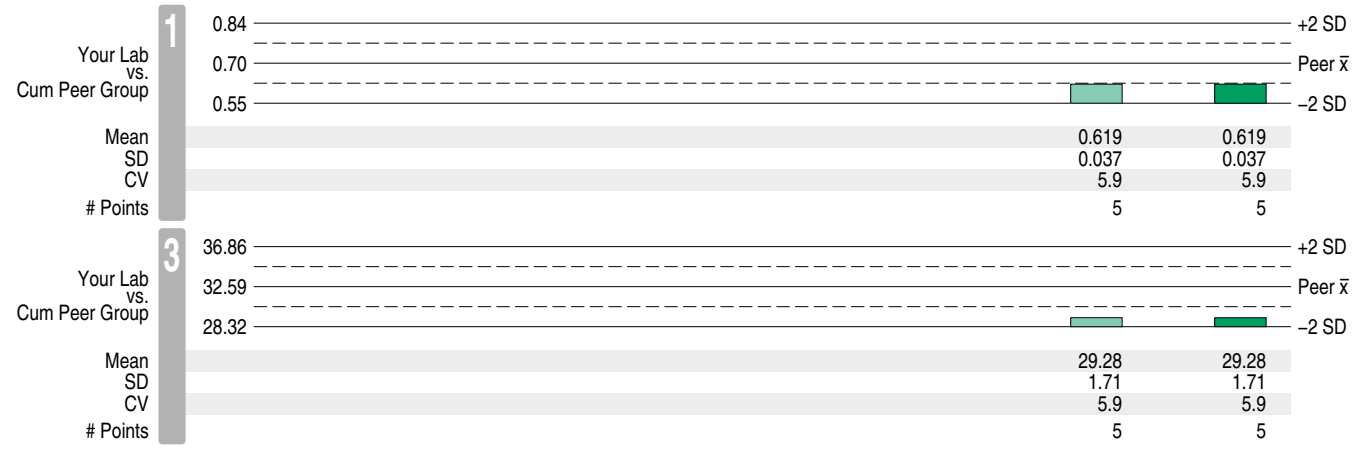
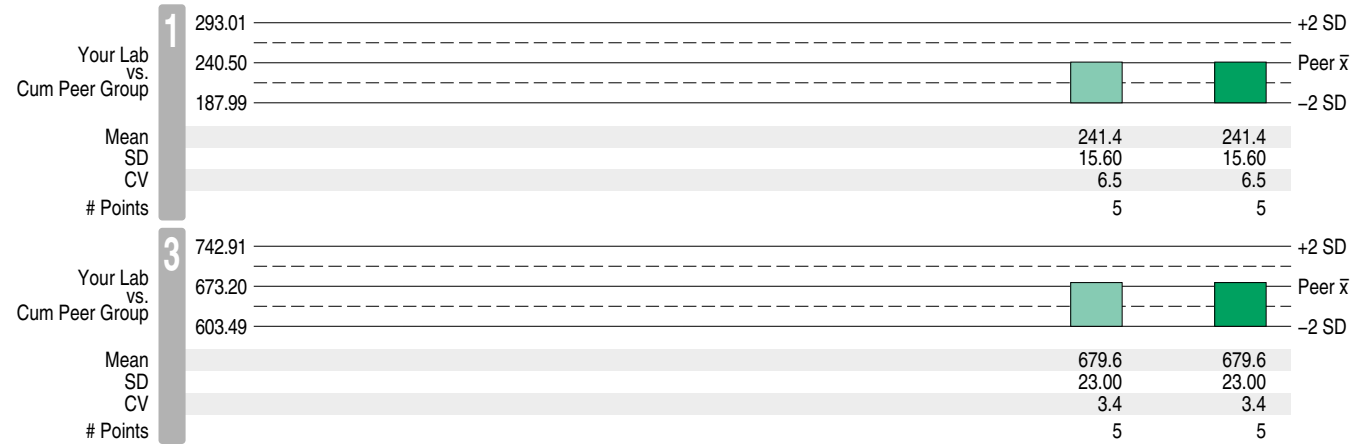
## TSH Chemiluminescence ÂµIU/mL

Siemens Dimension EXL • Dimension EXL–183197 • TSHL REF RF612 : LOCI Thyroid Cal REF RC610/610A – Unspecified *** – Unspecified ***




## Vitamin B12 Chemiluminescence pg/mL

Siemens Dimension EXL • Dimension EXL–183197 • VB12 REF RF642 : LOCI Anemia Cal REF RC640 – Unspecified *** – Unspecified ***





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**February 2022 • 100297**

# Monthly Evaluation Report

Immunology • 68970 • 31–Oct–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown Date: 4/15/2022 3:04:31 PM

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**February 2022 • 100297**

# Laboratory Comparison Report

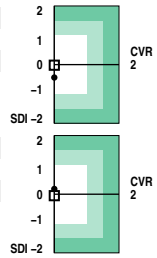
Immunology • 68970 • 31–Oct–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

**CRP (C–Reactive Protein)** **Immunoturbidimetric** mg/dL

**Siemens Dimension EXL • Dimension EXL–183197 • RCRP REF DF34 : RCRP Cal REF DC34 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.0 | 0.0 |
| □Method CVR | 1 | 0.0 | 0.0 |
| • Peer SDI | 1 | –0.44 | –0.66 |
| □Method SDI | 1 | –0.02 | 0.00 |
| • Peer CVR | 3 | 0.0 | 0.0 |
| □Method CVR | 3 | 0.0 | 0.0 |
| • Peer SDI | 3 | 0.18 | 0.27 |
| □Method SDI | 3 | –0.05 | –0.08 |







| | | Your Lab Mon | Your Lab Cum | Peer Group (Siemens Dimension Series) Mon | Peer Group (Siemens Dimension Series) Cum | Method Group (Immunoturbidimetric) Mon | Method Group (Immunoturbidimetric) Cum |
|---|---|---|---|---|---|---|---|
| Mean | 1 | 0.890 | 0.890 | 0.907 | 0.917 | 0.892 | 0.890 |
| SD | 1 | 0.000 | 0.000 | 0.038 | 0.041 | 0.106 | 0.105 |
| CV | 1 | 0.0 | 0.0 | 4.2 | 4.5 | 11.9 | 11.8 |
| # Points | 1 | 1 | 1 | 2195 | 13772 | 39893 | 202K |
| # Labs | 1 | | | 81 | 95 | 1037 | 1231 |
| Mean | 3 | 4.48 | 4.48 | 4.45 | 4.44 | 4.50 | 4.51 |
| SD | 3 | 0.000 | 0.000 | 0.141 | 0.149 | 0.375 | 0.378 |
| CV | 3 | 0.0 | 0.0 | 3.2 | 3.4 | 8.3 | 8.4 |
| # Points | 3 | 1 | 1 | 2071 | 12056 | 37967 | 187K |
| # Labs | 3 | | | 74 | 84 | 975 | 1136 |

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**February 2022 • 100297**

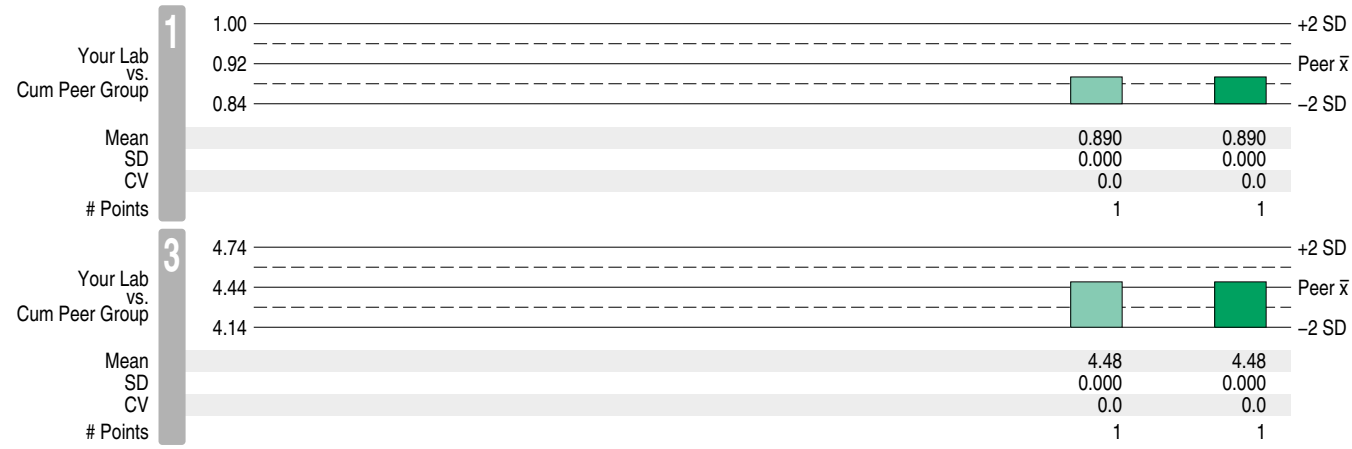
# Laboratory Histogram

Immunology • Lot 68970 • Exp 31–Oct–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

**CRP (C–Reactive Protein)** **Immunoturbidimetric** mg/dL

**Siemens Dimension EXL • Dimension EXL–183197 • RCRP REF DF34 : RCRP Cal REF DC34 – Unspecified *** – Unspecified ***

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**February 2022 • 100297**

# Monthly Evaluation Report

Immunology • 68980 • 31–Mar–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.

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**February 2022 • 100297**

# Laboratory Comparison Report

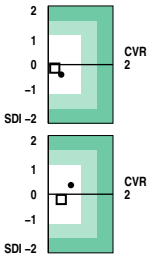
Immunology • 68980 • 31–Mar–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

**CRP (C–Reactive Protein)** **Immunoturbidimetric** mg/dL

**Siemens Dimension EXL • Dimension EXL–183197 • RCRP REF DF34 : RCRP Cal REF DC34 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.4 | 0.4 |
| □Method CVR | 1 | 0.2 | 0.2 |
| • Peer SDI | 1 | –0.34 | –0.45 |
| □Method SDI | 1 | –0.12 | –0.07 |
| • Peer CVR | 3 | 0.7 | 0.7 |
| □Method CVR | 3 | 0.4 | 0.4 |
| • Peer SDI | 3 | 0.31 | 0.31 |
| □Method SDI | 3 | –0.18 | –0.27 |




| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| Mean | 1 | 0.836 | 0.840 | 0.849 | 0.855 | 0.847 | 0.846 |
| SD | 1 | 0.016 | 0.016 | 0.037 | 0.036 | 0.092 | 0.093 |
| CV | 1 | 1.9 | 1.8 | 4.4 | 4.2 | 10.9 | 11.0 |
| # Points | 1 | 27 | 66 | 2316 | 6035 | 35335 | 85232 |
| # Labs | 1 | | | 73 | 76 | 1060 | 1115 |
| Mean | 3 | 4.09 | 4.08 | 4.03 | 4.02 | 4.14 | 4.16 |
| SD | 3 | 0.132 | 0.122 | 0.179 | 0.167 | 0.299 | 0.300 |
| CV | 3 | 3.2 | 3.0 | 4.4 | 4.2 | 7.2 | 7.2 |
| # Points | 3 | 27 | 67 | 1940 | 5167 | 33777 | 81533 |
| # Labs | 3 | | | 63 | 64 | 1003 | 1044 |

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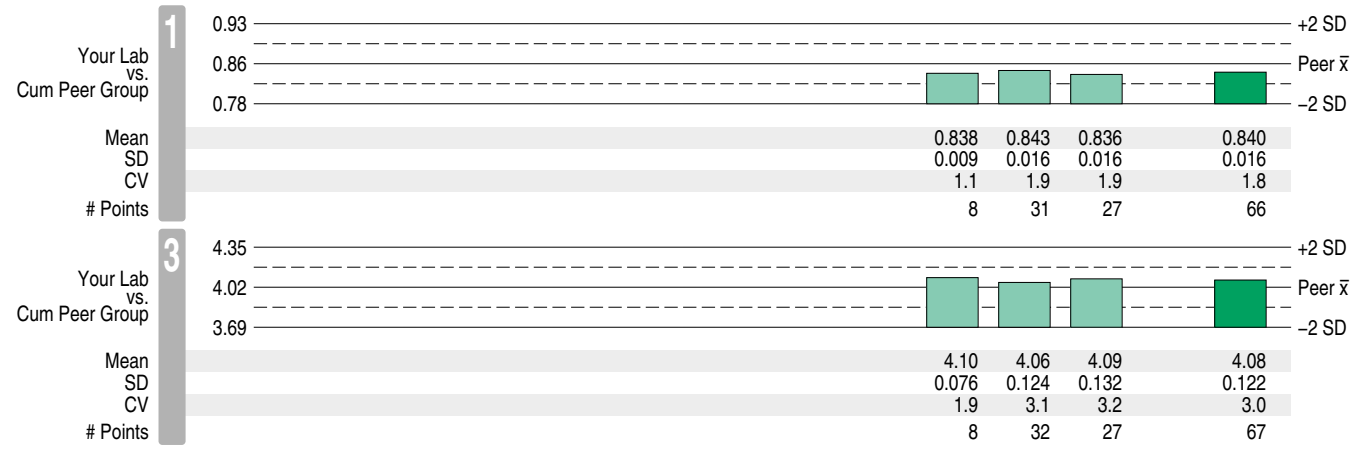
# Laboratory Histogram

Immunology • Lot 68980 • Exp 31–Mar–2023

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

**CRP (C–Reactive Protein)** **Immunoturbidimetric** mg/dL

**Siemens Dimension EXL • Dimension EXL–183197 • RCRP REF DF34 : RCRP Cal REF DC34 – Unspecified *** – Unspecified ***

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# Monthly Evaluation Report

Multiqual 1,2,3 Unassayed • 56650 • 30–Nov–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.

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# Laboratory Comparison Report

Multiqual 1,2,3 Unassayed • 56650 • 30–Nov–2022

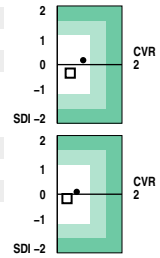
**February 2022 • 100297**

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Albumin — Bromcresol Purple (BCP) g/dL

Siemens Dimension EXL • Dimension EXL–183197 • ALB REF DF13 : Total Protein/Albumin Cal REF DC31 – Unspecified*** – Unspecified***

| Level | Mon | Cum |
|---|---|---|
| 1 • Peer CVR | 0.8 | 0.7 |
| 1 □Method CVR | 0.4 | 0.4 |
| 1 • Peer SDI | 0.15 | 0.67 |
| 1 □Method SDI | –0.29 | –0.28 |
| 3 • Peer CVR | 0.6 | 0.7 |
| 3 □Method CVR | 0.3 | 0.4 |
| 3 • Peer SDI | 0.08 | 0.68 |
| 3 □Method SDI | –0.15 | –0.14 |

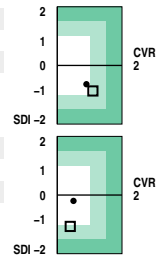



| Level | | Your Lab Mon | Your Lab Cum | Peer Group (Siemens Dimension Series) Mon | Peer Group Cum | Method Group (Bromcresol Purple (BCP)) Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| 1 | Mean | 2.35 | 2.38 | 2.34 | 2.33 | 2.39 | 2.41 |
| 1 | SD | 0.050 | 0.047 | 0.063 | 0.063 | 0.137 | 0.115 |
| 1 | CV | 2.1 | 2.0 | 2.7 | 2.7 | 5.8 | 4.8 |
| 1 | # Points | 30 | 639 | 2319 | 74635 | 8733 | 287K |
| 1 | # Labs | | | 83 | 138 | 197 | 361 |
| 3 | Mean | 4.03 | 4.09 | 4.02 | 4.03 | 4.06 | 4.11 |
| 3 | SD | 0.050 | 0.062 | 0.080 | 0.086 | 0.190 | 0.174 |
| 3 | CV | 1.2 | 1.5 | 2.0 | 2.1 | 4.7 | 4.2 |
| 3 | # Points | 30 | 635 | 2351 | 77740 | 8824 | 291K |
| 3 | # Labs | | | 84 | 151 | 199 | 376 |

## Alkaline Phosphatase — PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated U/L

Siemens Dimension EXL • Dimension EXL–183197 • ALPI REF DF150 : ALPI Cal REF DC150 – Unspecified*** – Unspecified***

| Level | Mon | Cum |
|---|---|---|
| 1 • Peer CVR | 0.9 | 0.9 |
| 1 □Method CVR | 1.1 | 1.0 |
| 1 • Peer SDI | –0.64 | –0.66 |
| 1 □Method SDI | –0.87 | –0.83 |
| 3 • Peer CVR | 0.5 | 0.8 |
| 3 □Method CVR | 0.4 | 0.5 |
| 3 • Peer SDI | –0.20 | –0.36 |
| 3 □Method SDI | –1.07 | –0.61 |

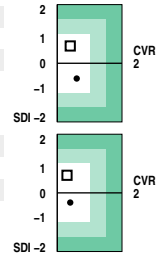



| Level | | Your Lab Mon | Your Lab Cum | Peer Group (Siemens Dimension Series) Mon | Peer Group Cum | Method Group (PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated) Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| 1 | Mean | 27.28 | 29.03 | 29.14 | 30.97 | 29.49 | 31.25 |
| 1 | SD | 2.54 | 2.37 | 2.93 | 2.95 | 2.55 | 2.66 |
| 1 | CV | 9.3 | 8.2 | 10.1 | 9.5 | 8.7 | 8.5 |
| 1 | # Points | 31 | 648 | 2324 | 71701 | 10200 | 334K |
| 1 | # Labs | | | 80 | 132 | 177 | 347 |
| 3 | Mean | 283.2 | 288.6 | 285.2 | 292.0 | 297.1 | 297.3 |
| 3 | SD | 5.02 | 7.60 | 9.83 | 9.41 | 12.99 | 14.28 |
| 3 | CV | 1.8 | 2.6 | 3.4 | 3.2 | 4.4 | 4.8 |
| 3 | # Points | 31 | 642 | 2359 | 74891 | 10316 | 343K |
| 3 | # Labs | | | 81 | 145 | 177 | 361 |

## ALT (ALAT/GPT) — UV with P5P – IFCC Ref. Proc., Calibrated U/L

Siemens Dimension EXL • Dimension EXL–183197 • ALTI REF DF143 : Enzyme II Cal REF DC143 – Unspecified*** – Unspecified***

| Level | Mon | Cum |
|---|---|---|
| 1 • Peer CVR | 0.6 | 0.8 |
| 1 □Method CVR | 0.4 | 0.0 |
| 1 • Peer SDI | –0.52 | –0.51 |
| 1 □Method SDI | 0.59 | –0.04 |
| 3 • Peer CVR | 0.4 | 0.8 |
| 3 □Method CVR | 0.3 | 0.0 |
| 3 • Peer SDI | –0.33 | –0.39 |
| 3 □Method SDI | 0.60 | –0.06 |

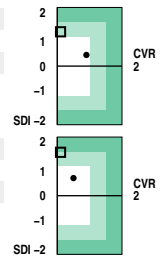



| Level | | Your Lab Mon | Your Lab Cum | Peer Group (Siemens Dimension Series) Mon | Peer Group Cum | Method Group (UV with P5P – IFCC Ref. Proc., Calibrated) Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| 1 | Mean | 29.32 | 30.42 | 30.40 | 31.45 | 27.41 | 35.30 |
| 1 | SD | 1.29 | 1.58 | 2.07 | 2.01 | 3.25 | 110.9 |
| 1 | CV | 4.4 | 5.2 | 6.8 | 6.4 | 11.9 | 314.1 |
| 1 | # Points | 30 | 646 | 2497 | 74119 | 6834 | 263K |
| 1 | # Labs | | | 83 | 135 | 186 | 423 |
| 3 | Mean | 183.9 | 186.9 | 185.9 | 189.2 | 178.8 | 228.5 |
| 3 | SD | 2.58 | 4.71 | 6.05 | 5.91 | 8.54 | 738.9 |
| 3 | CV | 1.4 | 2.5 | 3.3 | 3.1 | 4.8 | 323.4 |
| 3 | # Points | 30 | 644 | 2498 | 76985 | 6956 | 287K |
| 3 | # Labs | | | 84 | 148 | 189 | 461 |

## Amylase — CNP–triose/CNPG3 U/L

Siemens Dimension EXL • Dimension EXL–183197 • AMY REF DF17A : Enzyme Verifier Cal REF DC19 – Unspecified*** – Unspecified***

| Level | Mon | Cum |
|---|---|---|
| 1 • Peer CVR | 0.9 | 0.8 |
| 1 □Method CVR | 0.1 | 0.1 |
| 1 • Peer SDI | 0.38 | –0.37 |
| 1 □Method SDI | 1.17 | 0.88 |
| 3 • Peer CVR | 0.5 | 0.6 |
| 3 □Method CVR | 0.1 | 0.1 |
| 3 • Peer SDI | 0.60 | –0.52 |
| 3 □Method SDI | 1.48 | 1.09 |




| Level | | Your Lab Mon | Your Lab Cum | Peer Group (Siemens Dimension Series) Mon | Peer Group Cum | Method Group (CNP–triose/CNPG3) Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| 1 | Mean | 43.03 | 42.90 | 42.68 | 43.26 | 36.26 | 37.76 |
| 1 | SD | 0.820 | 0.797 | 0.934 | 0.978 | 5.79 | 5.85 |
| 1 | CV | 1.9 | 1.9 | 2.2 | 2.3 | 16.0 | 15.5 |
| 1 | # Points | 29 | 642 | 1441 | 44032 | 8748 | 222K |
| 1 | # Labs | | | 52 | 96 | 163 | 294 |
| 3 | Mean | 324.5 | 323.0 | 321.4 | 326.1 | 272.7 | 282.3 |
| 3 | SD | 2.35 | 3.57 | 5.14 | 5.92 | 35.13 | 37.51 |
| 3 | CV | 0.7 | 1.1 | 1.6 | 1.8 | 12.9 | 13.3 |
| 3 | # Points | 29 | 641 | 1458 | 43983 | 8772 | 224K |
| 3 | # Labs | | | 52 | 96 | 162 | 297 |

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.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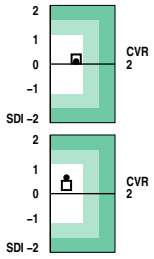
## AST (ASAT/GOT) UV with P5P U/L

Siemens Dimension EXL • Dimension EXL–183197 • AST REF DF41A : Enzyme Verifier Cal REF DC19 – Unspecified *** – Unspecified ***

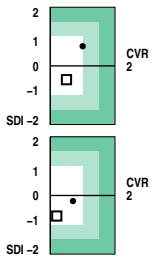
| Level | | Mon | Cum | | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | UV with P5P | |
| • Peer CVR | 1 | 0.8 | 0.8 | | Mean | 38.52 | 38.28 | 38.33 | 38.60 | 38.18 | 38.27 |
| □Method CVR | | 0.8 | 0.8 | | SD | 1.57 | 1.54 | 1.98 | 1.87 | 2.02 | 1.93 |
| • Peer SDI | | 0.09 | –0.17 | | CV | 4.1 | 4.0 | 5.2 | 4.8 | 5.3 | 5.1 |
| □Method SDI | | 0.17 | 0.00 | | # Points | 29 | 640 | 2283 | 72352 | 4396 | 151K |
| | | | | | # Labs | | | 80 | 137 | 119 | 231 |
| • Peer CVR | 3 | 0.5 | 0.7 | | Mean | 256.0 | 254.1 | 252.1 | 252.8 | 253.7 | 256.0 |
| □Method CVR | | 0.5 | 0.6 | | SD | 3.71 | 4.79 | 7.10 | 6.58 | 8.01 | 7.62 |
| • Peer SDI | | 0.55 | 0.20 | | CV | 1.5 | 1.9 | 2.8 | 2.6 | 3.2 | 3.0 |
| □Method SDI | | 0.28 | –0.24 | | # Points | 29 | 634 | 2318 | 75511 | 4440 | 154K |
| | | | | | # Labs | | | 81 | 150 | 119 | 246 |




## Bilirubin, Direct/BC (DBIL) Diazotization mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • DBI REF DF125 : TBI/DBI Cal REF DC167 – Unspecified *** – Unspecified ***

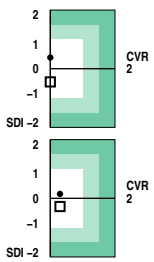
| Level | | Mon | Cum | | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | Diazotization | |
| • Peer CVR | 1 | 1.0 | 1.1 | | Mean | 0.209 | 0.214 | 0.196 | 0.204 | 0.233 | 0.239 |
| □Method CVR | | 0.5 | 0.3 | | SD | 0.022 | 0.026 | 0.020 | 0.024 | 0.052 | 0.100 |
| • Peer SDI | | 0.67 | 0.40 | | CV | 10.5 | 12.4 | 10.3 | 11.7 | 22.5 | 41.9 |
| □Method SDI | | –0.47 | –0.25 | | # Points | 29 | 648 | 2175 | 66916 | 12998 | 379K |
| | | | | | # Labs | | | 77 | 129 | 296 | 539 |
| • Peer CVR | 3 | 0.7 | 0.9 | | Mean | 1.84 | 1.93 | 1.86 | 1.96 | 2.12 | 2.14 |
| □Method CVR | | 0.2 | 0.3 | | SD | 0.078 | 0.100 | 0.107 | 0.107 | 0.395 | 0.360 |
| • Peer SDI | | –0.19 | –0.21 | | CV | 4.3 | 5.2 | 5.7 | 5.5 | 18.6 | 16.8 |
| □Method SDI | | –0.70 | –0.58 | | # Points | 29 | 634 | 2221 | 69197 | 12554 | 376K |
| | | | | | # Labs | | | 79 | 141 | 298 | 554 |




## Bilirubin, Total/TBIL Jendrassik Grof mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • TBI REF DF167 : TBI/DBI Cal REF DC167 – Unspecified *** – Unspecified ***

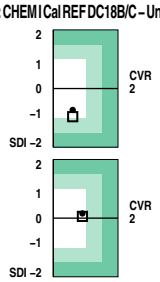
| Level | | Mon | Cum | | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | Jendrassik Grof | |
| • Peer CVR | 1 | 0.0 | 0.3 | | Mean | 0.600 | 0.598 | 0.582 | 0.581 | 0.650 | 0.672 |
| □Method CVR | | 0.0 | 0.1 | | SD | 0.000 | 0.015 | 0.047 | 0.046 | 0.111 | 0.122 |
| • Peer SDI | | 0.38 | 0.38 | | CV | 0.0 | 2.5 | 8.1 | 7.9 | 17.0 | 18.1 |
| □Method SDI | | –0.45 | –0.60 | | # Points | 29 | 636 | 2415 | 77227 | 5592 | 215K |
| | | | | | # Labs | | | 84 | 139 | 145 | 276 |
| • Peer CVR | 3 | 0.3 | 0.6 | | Mean | 6.91 | 6.90 | 6.88 | 6.89 | 6.98 | 7.12 |
| □Method CVR | | 0.3 | 0.4 | | SD | 0.065 | 0.112 | 0.210 | 0.201 | 0.260 | 0.322 |
| • Peer SDI | | 0.15 | 0.05 | | CV | 0.9 | 1.6 | 3.1 | 2.9 | 3.7 | 4.5 |
| □Method SDI | | –0.28 | –0.69 | | # Points | 29 | 633 | 2375 | 76653 | 5740 | 214K |
| | | | | | # Labs | | | 84 | 151 | 148 | 286 |




## Calcium o–cresolphthalein complexone mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • CA REF DF23A : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***

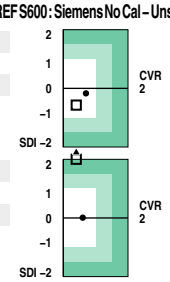
| Level | | Mon | Cum | | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | o–cresolphthalein complexone | |
| • Peer CVR | 1 | 0.6 | 0.9 | | Mean | 5.79 | 6.02 | 5.93 | 5.95 | 5.97 | 5.94 |
| □Method CVR | | 0.6 | 0.8 | | SD | 0.101 | 0.175 | 0.187 | 0.190 | 0.187 | 0.207 |
| • Peer SDI | | –0.73 | 0.35 | | CV | 1.7 | 2.9 | 3.2 | 3.2 | 3.1 | 3.5 |
| □Method SDI | | –0.96 | 0.38 | | # Points | 29 | 645 | 2431 | 74742 | 3658 | 150K |
| | | | | | # Labs | | | 85 | 137 | 122 | 230 |
| • Peer CVR | 3 | 0.9 | 0.8 | | Mean | 12.87 | 12.97 | 12.82 | 12.86 | 12.85 | 12.94 |
| □Method CVR | | 0.9 | 0.7 | | SD | 0.238 | 0.229 | 0.277 | 0.293 | 0.279 | 0.329 |
| • Peer SDI | | 0.16 | 0.39 | | CV | 1.8 | 1.8 | 2.2 | 2.3 | 2.2 | 2.5 |
| □Method SDI | | 0.06 | 0.10 | | # Points | 29 | 642 | 2466 | 77948 | 3707 | 155K |
| | | | | | # Labs | | | 86 | 151 | 122 | 246 |




## Chloride ISE indirect mEq/L

Siemens Dimension EXL • Dimension EXL–183197 • QuikLYTE REF S600 : Siemens No Cal – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | ISE indirect | |
| • Peer CVR | 1 | 0.7 | 0.8 | | Mean | 75.50 | 76.14 | 75.68 | 76.04 | 76.56 | 76.82 |
| □Method CVR | | 0.4 | 0.5 | | SD | 0.680 | 0.862 | 1.03 | 1.10 | 1.87 | 1.85 |
| • Peer SDI | | –0.17 | 0.09 | | CV | 0.9 | 1.1 | 1.4 | 1.4 | 2.4 | 2.4 |
| □Method SDI | | –0.57 | –0.37 | | # Points | 30 | 630 | 2720 | 80871 | 29706 | 959K |
| | | | | | # Labs | | | 86 | 141 | 351 | 655 |
| • Peer CVR | 3 | 0.6 | 0.7 | | Mean | 125.0 | 126.1 | 125.0 | 125.8 | 120.4 | 120.6 |
| □Method CVR | | 0.4 | 0.4 | | SD | 0.960 | 1.09 | 1.67 | 1.61 | 2.25 | 2.34 |
| • Peer SDI | | 0.01 | 0.17 | | CV | 0.8 | 0.9 | 1.3 | 1.3 | 1.9 | 1.9 |
| □Method SDI | | 2.06 | 2.34 | | # Points | 30 | 623 | 2712 | 82660 | 29663 | 973K |
| | | | | | # Labs | | | 85 | 145 | 353 | 669 |





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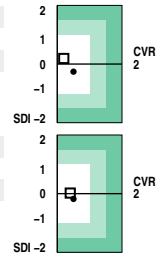
## Cholesterol, HDL — Direct measure–PEG mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • AHDL REF DF48B : AHDL Cal REF DC48B – Unspecified *** – Unspecified ***

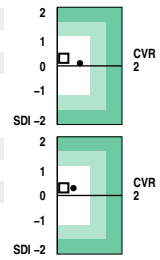
| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Direct measure–PEG | |
| • Peer CVR | 1 | 0.5 | 0.9 | | | | |
| □Method CVR | | 0.2 | 0.6 | | | | |
| • Peer SDI | | –0.26 | 0.18 | | | | |
| □Method SDI | | 0.19 | 0.29 | | | | |
| Mean | 1 | 24.69 | 24.35 | 24.95 | 24.10 | 24.27 | 23.75 |
| SD | | 0.470 | 1.20 | 1.02 | 1.33 | 2.17 | 2.01 |
| CV | | 1.9 | 4.9 | 4.1 | 5.5 | 8.9 | 8.5 |
| # Points | | 29 | 638 | 1098 | 35278 | 1849 | 64389 |
| # Labs | | | | 40 | 73 | 68 | 133 |
| • Peer CVR | 3 | 0.5 | 0.7 | | | | |
| □Method CVR | | 0.4 | 0.6 | | | | |
| • Peer SDI | | –0.18 | –0.24 | | | | |
| □Method SDI | | 0.02 | –0.07 | | | | |
| Mean | 3 | 54.17 | 56.81 | 54.82 | 57.68 | 54.09 | 57.15 |
| SD | | 1.61 | 2.53 | 3.52 | 3.64 | 4.53 | 4.51 |
| CV | | 3.0 | 4.5 | 6.4 | 6.3 | 8.4 | 7.9 |
| # Points | | 29 | 635 | 1106 | 39140 | 1869 | 68252 |
| # Labs | | | | 41 | 86 | 68 | 149 |




## Cholesterol, LDL — Direct measure mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • ALDL REF DF131 : ALDL Cal REF DC131 – Unspecified *** – Unspecified ***

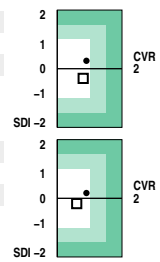
| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Direct measure | |
| • Peer CVR | 1 | 0.7 | 0.8 | | | | |
| □Method CVR | | 0.2 | 0.4 | | | | |
| • Peer SDI | | 0.09 | 0.03 | | | | |
| □Method SDI | | 0.26 | 0.26 | | | | |
| Mean | 1 | 67.41 | 67.31 | 67.27 | 67.25 | 66.31 | 66.28 |
| SD | | 1.09 | 1.62 | 1.56 | 2.12 | 4.27 | 4.01 |
| CV | | 1.6 | 2.4 | 2.3 | 3.2 | 6.4 | 6.0 |
| # Points | | 29 | 637 | 290 | 13546 | 4222 | 126K |
| # Labs | | | | 13 | 29 | 96 | 207 |
| • Peer CVR | 3 | 0.5 | 0.7 | | | | |
| □Method CVR | | 0.2 | 0.4 | | | | |
| • Peer SDI | | 0.25 | –0.04 | | | | |
| □Method SDI | | 0.26 | 0.21 | | | | |
| Mean | 3 | 155.0 | 153.3 | 153.9 | 153.5 | 152.1 | 151.0 |
| SD | | 2.26 | 4.03 | 4.21 | 5.42 | 11.31 | 10.87 |
| CV | | 1.5 | 2.6 | 2.7 | 3.5 | 7.4 | 7.2 |
| # Points | | 29 | 635 | 293 | 13454 | 4360 | 127K |
| # Labs | | | | 13 | 29 | 96 | 208 |




## Cholesterol, Total — Cholesterol oxidase, esterase, peroxidase mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • CHOL REF DF27 : CHOL Cal REF DC16 – Unspecified *** – Unspecified ***

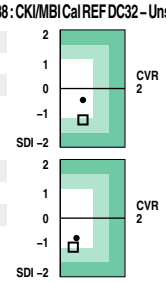
| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Cholesterol oxidase, esterase, peroxidase | |
| • Peer CVR | 1 | 0.9 | 0.7 | | | | |
| □Method CVR | | 0.8 | 0.8 | | | | |
| • Peer SDI | | 0.27 | 0.27 | | | | |
| □Method SDI | | –0.33 | –0.27 | | | | |
| Mean | 1 | 107.7 | 107.5 | 106.8 | 106.6 | 108.9 | 108.3 |
| SD | | 2.94 | 2.44 | 3.28 | 3.23 | 3.66 | 3.19 |
| CV | | 2.7 | 2.3 | 3.1 | 3.0 | 3.4 | 2.9 |
| # Points | | 30 | 634 | 1169 | 36717 | 8908 | 327K |
| # Labs | | | | 42 | 76 | 210 | 460 |
| • Peer CVR | 3 | 0.9 | 0.8 | | | | |
| □Method CVR | | 0.6 | 0.5 | | | | |
| • Peer SDI | | 0.18 | 0.14 | | | | |
| □Method SDI | | –0.18 | –0.13 | | | | |
| Mean | 3 | 264.6 | 263.3 | 263.6 | 262.5 | 266.1 | 264.4 |
| SD | | 4.76 | 4.54 | 5.55 | 6.03 | 8.03 | 8.44 |
| CV | | 1.8 | 1.7 | 2.1 | 2.3 | 3.0 | 3.2 |
| # Points | | 30 | 633 | 1185 | 40394 | 8916 | 330K |
| # Labs | | | | 43 | 89 | 212 | 483 |




## CK (Creatine Kinase) — NAC Activated – IFCC Ref. Proc., Calibrated U/L

Siemens Dimension EXL • Dimension EXL–183197 • CKI REF DF38 : CKI/MBI Cal REF DC32 – Unspecified *** – Unspecified ***

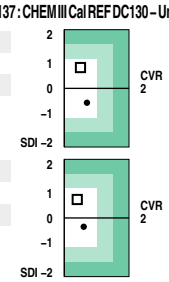
| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | NAC Activated – IFCC Ref. Proc., Calibrated | |
| • Peer CVR | 1 | 0.7 | 0.7 | | | | |
| □Method CVR | | 0.7 | 0.5 | | | | |
| • Peer SDI | | –0.39 | –0.17 | | | | |
| □Method SDI | | –1.07 | –0.64 | | | | |
| Mean | 1 | 75.41 | 77.88 | 76.51 | 78.38 | 78.37 | 80.65 |
| SD | | 1.88 | 2.16 | 2.81 | 2.94 | 2.76 | 4.35 |
| CV | | 2.5 | 2.8 | 3.7 | 3.7 | 3.5 | 5.4 |
| # Points | | 29 | 639 | 1883 | 58006 | 8126 | 265K |
| # Labs | | | | 68 | 114 | 155 | 310 |
| • Peer CVR | 3 | 0.5 | 0.8 | | | | |
| □Method CVR | | 0.4 | 0.4 | | | | |
| • Peer SDI | | –0.68 | –0.17 | | | | |
| □Method SDI | | –0.99 | –0.29 | | | | |
| Mean | 3 | 576.0 | 599.4 | 586.0 | 602.3 | 594.5 | 609.0 |
| SD | | 7.22 | 13.93 | 14.77 | 16.59 | 18.67 | 32.96 |
| CV | | 1.3 | 2.3 | 2.5 | 2.8 | 3.1 | 5.4 |
| # Points | | 29 | 635 | 1895 | 57376 | 8144 | 259K |
| # Labs | | | | 67 | 114 | 154 | 310 |




## CO2 (Carbon Dioxide) — Enzymatic mEq/L

Siemens Dimension EXL • Dimension EXL–183197 • EC02 REF DF137 : CHEM III Cal REF DC130 – Unspecified *** – Unspecified ***

| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Enzymatic | |
| • Peer CVR | 1 | 0.7 | 0.8 | | | | |
| □Method CVR | | 0.5 | 0.5 | | | | |
| • Peer SDI | | –0.49 | 0.00 | | | | |
| □Method SDI | | 0.71 | 1.00 | | | | |
| Mean | 1 | 16.23 | 17.05 | 16.80 | 17.05 | 15.14 | 15.47 |
| SD | | 0.760 | 0.936 | 1.16 | 1.18 | 1.54 | 1.58 |
| CV | | 4.7 | 5.5 | 6.9 | 6.9 | 10.2 | 10.2 |
| # Points | | 29 | 626 | 2325 | 73269 | 19441 | 626K |
| # Labs | | | | 82 | 139 | 286 | 528 |
| • Peer CVR | 3 | 0.6 | 0.8 | | | | |
| □Method CVR | | 0.4 | 0.5 | | | | |
| • Peer SDI | | –0.30 | –0.12 | | | | |
| □Method SDI | | 0.63 | 0.76 | | | | |
| Mean | 3 | 27.08 | 27.78 | 27.54 | 27.96 | 25.70 | 26.17 |
| SD | | 0.909 | 1.23 | 1.52 | 1.50 | 2.20 | 2.12 |
| CV | | 3.4 | 4.4 | 5.5 | 5.4 | 8.5 | 8.1 |
| # Points | | 29 | 621 | 2364 | 73441 | 19697 | 631K |
| # Labs | | | | 83 | 136 | 290 | 534 |





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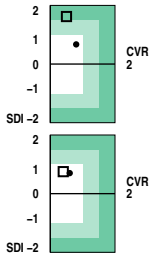
## Creatinine Alkaline picrate method, IFCC–IDMS Standardized mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • CRE2 REF DF33B : CHEM I Cal REF DC18C – Unspecified *** – Unspecified ***

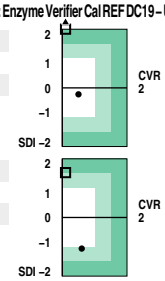
| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon (Siemens Dimension Series) | Peer Group Cum (Siemens Dimension Series) | Method Group Mon (Alkaline picrate method, IFCC–IDMS Standardized) | Method Group Cum (Alkaline picrate method, IFCC–IDMS Standardized) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | • Peer CVR | 0.8 | 0.6 | Mean | 0.736 | 0.743 | 0.706 | 0.730 | 0.637 | 0.633 |
| | □Method CVR | 0.5 | 0.4 | SD | 0.037 | 0.036 | 0.044 | 0.059 | 0.061 | 0.069 |
| | • Peer SDI | 0.67 | 0.22 | CV | 5.0 | 4.9 | 6.2 | 8.0 | 9.5 | 10.9 |
| | □Method SDI | 1.62 | 1.61 | # Points | 30 | 650 | 2308 | 78612 | 9263 | 436K |
| | | | | # Labs | | | 83 | 140 | 236 | 501 |
| 3 | • Peer CVR | 0.6 | 0.4 | Mean | 6.55 | 6.54 | 6.37 | 6.43 | 6.26 | 6.22 |
| | □Method CVR | 0.4 | 0.3 | SD | 0.149 | 0.113 | 0.251 | 0.263 | 0.384 | 0.371 |
| | • Peer SDI | 0.70 | 0.42 | CV | 2.3 | 1.7 | 3.9 | 4.1 | 6.1 | 6.0 |
| | □Method SDI | 0.75 | 0.86 | # Points | 30 | 645 | 2327 | 78795 | 9349 | 438K |
| | | | | # Labs | | | 84 | 155 | 240 | 525 |




## GGT (Gamma Glutamyltransferase) G–glutamyl–carboxy–nitroanilide U/L

Siemens Dimension EXL • Dimension EXL–183197 • GGT REF DF45A : Enzyme Verifier Cal REF DC19 – Unspecified *** – Unspecified ***

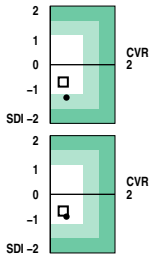
| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon (Siemens Dimension Series) | Peer Group Cum (Siemens Dimension Series) | Method Group Mon (G–glutamyl–carboxy–nitroanilide) | Method Group Cum (G–glutamyl–carboxy–nitroanilide) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | • Peer CVR | 0.5 | 0.5 | Mean | 38.50 | 38.32 | 38.84 | 39.05 | 27.83 | 29.05 |
| | □Method CVR | 0.1 | 0.1 | SD | 0.710 | 1.04 | 1.57 | 2.01 | 5.18 | 5.45 |
| | • Peer SDI | –0.22 | –0.36 | CV | 1.8 | 2.7 | 4.0 | 5.1 | 18.6 | 18.8 |
| | □Method SDI | 2.06 | 1.70 | # Points | 2 | 145 | 516 | 17118 | 4670 | 142K |
| | | | | # Labs | | | 23 | 46 | 121 | 244 |
| 3 | • Peer CVR | 0.6 | 0.5 | Mean | 152.5 | 152.4 | 156.2 | 156.3 | 124.6 | 129.7 |
| | □Method CVR | 0.1 | 0.1 | SD | 2.10 | 1.91 | 3.49 | 3.79 | 18.24 | 19.84 |
| | • Peer SDI | –1.06 | –1.03 | CV | 1.4 | 1.3 | 2.2 | 2.4 | 14.6 | 15.3 |
| | □Method SDI | 1.53 | 1.15 | # Points | 2 | 147 | 527 | 20425 | 4793 | 144K |
| | | | | # Labs | | | 24 | 59 | 125 | 265 |




## Glucose Hexokinase mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • GLUC REF DF40 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***

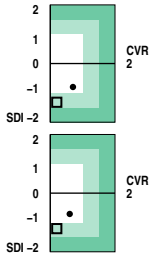
| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon (Siemens Dimension Series) | Peer Group Cum (Siemens Dimension Series) | Method Group Mon (Hexokinase) | Method Group Cum (Hexokinase) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | • Peer CVR | 0.5 | 0.8 | Mean | 56.76 | 58.49 | 58.60 | 58.74 | 57.84 | 58.07 |
| | □Method CVR | 0.4 | 0.7 | SD | 0.740 | 1.22 | 1.64 | 1.60 | 1.85 | 1.78 |
| | • Peer SDI | –1.12 | –0.15 | CV | 1.3 | 2.1 | 2.8 | 2.7 | 3.2 | 3.1 |
| | □Method SDI | –0.59 | 0.24 | # Points | 29 | 642 | 3511 | 78246 | 15148 | 409K |
| | | | | # Labs | | | 86 | 139 | 314 | 563 |
| 3 | • Peer CVR | 0.5 | 0.7 | Mean | 347.2 | 355.0 | 352.9 | 356.1 | 352.6 | 356.4 |
| | □Method CVR | 0.4 | 0.5 | SD | 3.40 | 5.37 | 7.43 | 7.60 | 9.56 | 10.01 |
| | • Peer SDI | –0.76 | –0.14 | CV | 1.0 | 1.5 | 2.1 | 2.1 | 2.7 | 2.8 |
| | □Method SDI | –0.57 | –0.14 | # Points | 29 | 639 | 3567 | 82030 | 15334 | 516K |
| | | | | # Labs | | | 87 | 152 | 318 | 589 |




## Iron Ferene Âµg/dL

Siemens Dimension EXL • Dimension EXL–183197 • IRON REF DF85 : IRON Cal REF DC85 – Unspecified *** – Unspecified ***

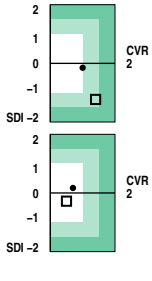
| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon (Siemens Dimension Series) | Peer Group Cum (Siemens Dimension Series) | Method Group Mon (Ferene) | Method Group Cum (Ferene) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | • Peer CVR | 0.7 | 0.8 | Mean | 70.59 | 71.11 | 71.61 | 71.27 | 75.23 | 74.31 |
| | □Method CVR | 0.2 | 0.4 | SD | 0.820 | 1.08 | 1.28 | 1.30 | 3.52 | 2.90 |
| | • Peer SDI | –0.80 | –0.13 | CV | 1.2 | 1.5 | 1.8 | 1.8 | 4.7 | 3.9 |
| | □Method SDI | –1.32 | –1.11 | # Points | 29 | 638 | 557 | 19560 | 2200 | 84379 |
| | | | | # Labs | | | 23 | 52 | 54 | 131 |
| 3 | • Peer CVR | 0.6 | 0.7 | Mean | 216.7 | 217.6 | 218.5 | 217.4 | 226.7 | 223.6 |
| | □Method CVR | 0.2 | 0.3 | SD | 1.49 | 2.05 | 2.55 | 2.83 | 8.22 | 6.18 |
| | • Peer SDI | –0.71 | 0.09 | CV | 0.7 | 0.9 | 1.2 | 1.3 | 3.6 | 2.8 |
| | □Method SDI | –1.21 | –0.97 | # Points | 29 | 633 | 551 | 19493 | 2250 | 87534 |
| | | | | # Labs | | | 23 | 53 | 55 | 135 |




## Lactic Acid Enzymatic mmol/L

Siemens Dimension EXL • Dimension EXL–183197 • LA REF DF16 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | Your Lab Mon | Your Lab Cum | Peer Group Mon (Siemens Dimension Series) | Peer Group Cum (Siemens Dimension Series) | Method Group Mon (Enzymatic) | Method Group Cum (Enzymatic) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | • Peer CVR | 1.0 | 1.1 | Mean | 1.34 | 1.42 | 1.36 | 1.45 | 1.46 | 1.48 |
| | □Method CVR | 1.4 | 1.3 | SD | 0.119 | 0.130 | 0.117 | 0.115 | 0.094 | 0.107 |
| | • Peer SDI | –0.15 | –0.21 | CV | 8.9 | 9.1 | 8.6 | 7.9 | 6.5 | 7.2 |
| | □Method SDI | –1.23 | –0.54 | # Points | 30 | 622 | 1947 | 60530 | 10244 | 280K |
| | | | | # Labs | | | 71 | 116 | 237 | 435 |
| 3 | • Peer CVR | 0.7 | 1.0 | Mean | 5.75 | 5.90 | 5.72 | 5.91 | 5.82 | 5.86 |
| | □Method CVR | 0.5 | 0.6 | SD | 0.133 | 0.184 | 0.195 | 0.187 | 0.248 | 0.330 |
| | • Peer SDI | 0.17 | –0.06 | CV | 2.3 | 3.1 | 3.4 | 3.2 | 4.3 | 5.6 |
| | □Method SDI | –0.28 | 0.13 | # Points | 30 | 618 | 1965 | 60539 | 10360 | 283K |
| | | | | # Labs | | | 71 | 116 | 237 | 443 |





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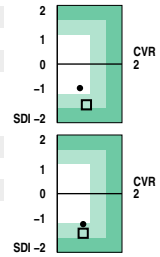
## LD (Lactate Dehydrogenase) L to P – IFCC Ref. Proc., Calibrated U/L

Siemens Dimension EXL • Dimension EXL–183197 • LDI REF DF54 : Enzyme Cal REF DC35 – Unspecified*** – Unspecified***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.7 | 0.8 |
| □Method CVR | | 0.9 | 0.8 |
| • Peer SDI | | –0.82 | –0.37 |
| □Method SDI | | –1.39 | –0.98 |
| • Peer CVR | 3 | 0.8 | 0.8 |
| □Method CVR | | 0.8 | 0.6 |
| • Peer SDI | | –1.04 | –0.25 |
| □Method SDI | | –1.35 | –0.93 |

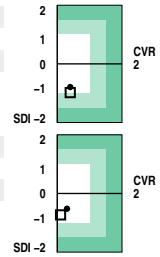



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | L to P – IFCC Ref. Proc., Calibrated | |
| Mean | 1 | 98.76 | 100.2 | 103.0 | 102.2 | 104.9 | 105.4 |
| SD | | 3.65 | 4.01 | 5.09 | 5.32 | 4.43 | 5.29 |
| CV | | 3.7 | 4.0 | 4.9 | 5.2 | 4.2 | 5.0 |
| # Points | | 29 | 632 | 1195 | 35844 | 5840 | 171K |
| # Labs | | | | 40 | 78 | 147 | 297 |
| Mean | 3 | 384.8 | 388.7 | 396.5 | 391.6 | 401.4 | 402.2 |
| SD | | 9.05 | 8.95 | 11.30 | 11.63 | 12.28 | 14.50 |
| CV | | 2.4 | 2.3 | 2.9 | 3.0 | 3.1 | 3.6 |
| # Points | | 29 | 630 | 1182 | 38894 | 5951 | 176K |
| # Labs | | | | 41 | 91 | 149 | 317 |

## Lipase Colorimetric (Siemens calibrated) U/L

Siemens Dimension EXL • Dimension EXL–183197 • LIPL REF DF56 : LIPL Cal REF DC56 – Unspecified*** – Unspecified***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.4 | 0.6 |
| □Method CVR | | 0.4 | 0.7 |
| • Peer SDI | | –0.79 | –0.71 |
| □Method SDI | | –0.98 | –0.77 |
| • Peer CVR | 3 | 0.3 | 0.3 |
| □Method CVR | | 0.1 | 0.1 |
| • Peer SDI | | –0.52 | –0.72 |
| □Method SDI | | –0.73 | –0.90 |




| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Colorimetric (Siemens calibrated) | |
| Mean | 1 | 60.07 | 68.36 | 64.97 | 75.03 | 66.46 | 74.97 |
| SD | | 2.49 | 5.41 | 6.17 | 9.37 | 6.52 | 8.59 |
| CV | | 4.1 | 7.9 | 9.5 | 12.5 | 9.8 | 11.5 |
| # Points | | 29 | 639 | 2278 | 68448 | 3062 | 99200 |
| # Labs | | | | 79 | 136 | 107 | 194 |
| Mean | 3 | 412.3 | 416.9 | 421.6 | 435.8 | 452.9 | 476.7 |
| SD | | 4.70 | 7.73 | 18.12 | 26.30 | 55.81 | 66.73 |
| CV | | 1.1 | 1.9 | 4.3 | 6.0 | 12.3 | 14.0 |
| # Points | | 29 | 634 | 2205 | 67666 | 2985 | 98518 |
| # Labs | | | | 77 | 135 | 104 | 193 |

## Lithium Colorimetric mmol/L

Siemens Dimension EXL • Dimension EXL–183197 • LI REF DF132 : Drug Cal REF DC228B – Unspecified*** – Unspecified***

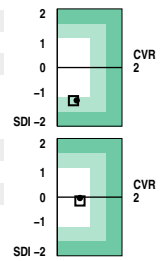
| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.7 | 1.0 |
| □Method CVR | | 0.5 | 1.0 |
| • Peer SDI | | –0.32 | –0.15 |
| □Method SDI | | –1.82 | –1.83 |
| • Peer CVR | 3 | 1.0 | 0.9 |
| □Method CVR | | 0.3 | 0.6 |
| • Peer SDI | | –1.55 | –0.33 |
| □Method SDI | | 1.14 | 1.65 |

| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Colorimetric | |
| Mean | 1 | 0.490 | 0.496 | 0.501 | 0.502 | 0.597 | 0.581 |
| SD | | 0.025 | 0.038 | 0.036 | 0.041 | 0.059 | 0.046 |
| CV | | 5.1 | 7.7 | 7.1 | 8.1 | 9.8 | 8.0 |
| # Points | | 4 | 76 | 151 | 4154 | 2235 | 65937 |
| # Labs | | | | 7 | 16 | 64 | 152 |
| Mean | 3 | 2.13 | 2.18 | 2.23 | 2.20 | 1.91 | 2.01 |
| SD | | 0.063 | 0.063 | 0.064 | 0.071 | 0.192 | 0.103 |
| CV | | 3.0 | 2.9 | 2.9 | 3.2 | 10.0 | 5.1 |
| # Points | | 4 | 82 | 143 | 4149 | 2210 | 66616 |
| # Labs | | | | 7 | 16 | 64 | 156 |

## Magnesium Methylthymol blue mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • MG REF DF57 : CHEM II Cal REF DC20 – Unspecified*** – Unspecified***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.6 | 1.0 |
| □Method CVR | | 0.5 | 0.8 |
| • Peer SDI | | –1.12 | –0.04 |
| □Method SDI | | –1.13 | –0.33 |
| • Peer CVR | 3 | 0.7 | 0.9 |
| □Method CVR | | 0.7 | 0.8 |
| • Peer SDI | | –0.03 | –0.35 |
| □Method SDI | | –0.13 | –0.62 |

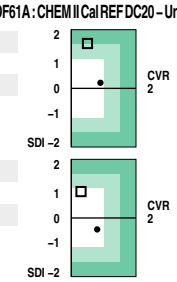



| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Methylthymol blue | |
| Mean | 1 | 1.02 | 1.06 | 1.10 | 1.06 | 1.11 | 1.09 |
| SD | | 0.038 | 0.070 | 0.074 | 0.072 | 0.080 | 0.087 |
| CV | | 3.7 | 6.5 | 6.7 | 6.8 | 7.3 | 8.0 |
| # Points | | 29 | 635 | 2316 | 69945 | 2921 | 102K |
| # Labs | | | | 80 | 133 | 109 | 193 |
| Mean | 3 | 4.18 | 4.09 | 4.18 | 4.13 | 4.19 | 4.18 |
| SD | | 0.091 | 0.113 | 0.123 | 0.121 | 0.131 | 0.142 |
| CV | | 2.2 | 2.8 | 2.9 | 2.9 | 3.1 | 3.4 |
| # Points | | 29 | 629 | 2301 | 69913 | 2903 | 102K |
| # Labs | | | | 79 | 133 | 107 | 193 |

## Phosphorus Phosphomolybdate method mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • PHOS REF DF61A : CHEM II Cal REF DC20 – Unspecified*** – Unspecified***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.9 | 0.8 |
| □Method CVR | | 0.5 | 0.7 |
| • Peer SDI | | 0.19 | 0.27 |
| □Method SDI | | 1.53 | 1.41 |
| • Peer CVR | 3 | 0.8 | 1.1 |
| □Method CVR | | 0.3 | 0.5 |
| • Peer SDI | | –0.39 | –0.28 |
| □Method SDI | | 0.90 | 0.40 |




| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Phosphomolybdate method | |
| Mean | 1 | 2.20 | 2.14 | 2.18 | 2.11 | 2.01 | 1.99 |
| SD | | 0.073 | 0.081 | 0.082 | 0.095 | 0.122 | 0.110 |
| CV | | 3.3 | 3.8 | 3.8 | 4.5 | 6.1 | 5.5 |
| # Points | | 29 | 636 | 2086 | 61147 | 16733 | 488K |
| # Labs | | | | 72 | 117 | 313 | 595 |
| Mean | 3 | 7.21 | 7.09 | 7.26 | 7.13 | 6.98 | 6.97 |
| SD | | 0.095 | 0.147 | 0.125 | 0.139 | 0.263 | 0.290 |
| CV | | 1.3 | 2.1 | 1.7 | 2.0 | 3.8 | 4.2 |
| # Points | | 29 | 633 | 2124 | 60639 | 17193 | 485K |
| # Labs | | | | 72 | 117 | 318 | 617 |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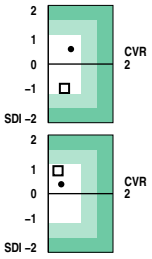
## Potassium ISE indirect mEq/L

Siemens Dimension EXL • Dimension EXL–183197 • QuikLYTE REF S600 : Siemens No Cal – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| 1 | • Peer CVR | 0.7 | 0.9 |
| | □Method CVR | 0.5 | 0.5 |
| | • Peer SDI | 0.51 | 0.03 |
| | □Method SDI | –0.83 | –0.81 |
| 3 | • Peer CVR | 0.4 | 0.7 |
| | □Method CVR | 0.3 | 0.6 |
| | • Peer SDI | 0.32 | –0.02 |
| | □Method SDI | 0.78 | 0.33 |

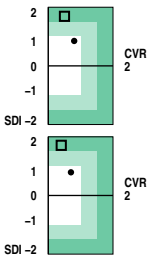



| Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Dimension EXL | | ISE indirect | |
| 1 | Mean | 2.50 | 2.48 | 2.47 | 2.48 | 2.56 | 2.55 |
| | SD | 0.032 | 0.040 | 0.045 | 0.044 | 0.071 | 0.079 |
| | CV | 1.3 | 1.6 | 1.8 | 1.8 | 2.8 | 3.1 |
| | # Points | 30 | 630 | 2824 | 82677 | 29637 | 973K |
| | # Labs | | | 86 | 141 | 350 | 656 |
| 3 | Mean | 7.60 | 7.60 | 7.57 | 7.60 | 7.52 | 7.56 |
| | SD | 0.032 | 0.064 | 0.090 | 0.093 | 0.105 | 0.106 |
| | CV | 0.4 | 0.8 | 1.2 | 1.2 | 1.4 | 1.4 |
| | # Points | 30 | 623 | 2785 | 84087 | 29728 | 1.63M |
| | # Labs | | | 86 | 145 | 354 | 669 |

## Protein, Total, Serum Biuret method g/dL

Siemens Dimension EXL • Dimension EXL–183197 • TP REF DF73 : Total Protein/Albumin Cal REF DC31 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| 1 | • Peer CVR | 0.8 | 0.8 |
| | □Method CVR | 0.5 | 0.5 |
| | • Peer SDI | 0.85 | 0.25 |
| | □Method SDI | 1.69 | 1.25 |
| 3 | • Peer CVR | 0.7 | 0.8 |
| | □Method CVR | 0.4 | 0.4 |
| | • Peer SDI | 0.79 | 0.57 |
| | □Method SDI | 1.71 | 1.41 |

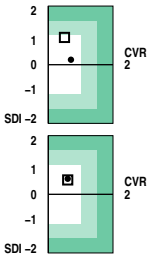



| Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Biuret method | |
| 1 | Mean | 4.22 | 4.18 | 4.15 | 4.15 | 4.00 | 3.98 |
| | SD | 0.069 | 0.077 | 0.090 | 0.092 | 0.131 | 0.155 |
| | CV | 1.6 | 1.8 | 2.2 | 2.2 | 3.3 | 3.9 |
| | # Points | 29 | 636 | 2414 | 74275 | 15182 | 559K |
| | # Labs | | | 83 | 148 | 330 | 661 |
| 3 | Mean | 7.20 | 7.18 | 7.10 | 7.11 | 6.86 | 6.88 |
| | SD | 0.089 | 0.097 | 0.128 | 0.127 | 0.198 | 0.214 |
| | CV | 1.2 | 1.4 | 1.8 | 1.8 | 2.9 | 3.1 |
| | # Points | 29 | 633 | 2443 | 76911 | 15263 | 492K |
| | # Labs | | | 84 | 161 | 332 | 682 |

## Sodium ISE indirect mEq/L

Siemens Dimension EXL • Dimension EXL–183197 • QuikLYTE REF S600 : Siemens No Cal – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| 1 | • Peer CVR | 0.7 | 0.8 |
| | □Method CVR | 0.5 | 0.7 |
| | • Peer SDI | 0.17 | –0.03 |
| | □Method SDI | 0.93 | 0.89 |
| 3 | • Peer CVR | 0.6 | 0.7 |
| | □Method CVR | 0.6 | 0.8 |
| | • Peer SDI | 0.53 | –0.13 |
| | □Method SDI | 0.49 | 0.03 |

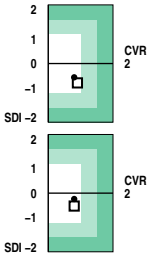



| Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | ISE indirect | |
| 1 | Mean | 115.5 | 115.6 | 115.3 | 115.6 | 113.9 | 114.2 |
| | SD | 0.940 | 1.16 | 1.37 | 1.44 | 1.75 | 1.57 |
| | CV | 0.8 | 1.0 | 1.2 | 1.2 | 1.5 | 1.4 |
| | # Points | 30 | 630 | 2669 | 80638 | 27792 | 906K |
| | # Labs | | | 85 | 139 | 351 | 654 |
| 3 | Mean | 156.1 | 155.6 | 155.2 | 155.8 | 155.3 | 155.5 |
| | SD | 0.980 | 1.18 | 1.57 | 1.72 | 1.55 | 1.56 |
| | CV | 0.6 | 0.8 | 1.0 | 1.1 | 1.0 | 1.0 |
| | # Points | 30 | 622 | 2699 | 82405 | 27733 | 920K |
| | # Labs | | | 85 | 144 | 354 | 669 |

## TIBC (Total Iron Binding Capacity) Ferene Âµg/dL

Siemens Dimension EXL • Dimension EXL–183197 • IBCT REF DF84 : IBCT Cal REF DC84 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| 1 | • Peer CVR | 0.8 | 0.9 |
| | □Method CVR | 0.9 | 1.0 |
| | • Peer SDI | –0.47 | 0.01 |
| | □Method SDI | –0.66 | –0.07 |
| 3 | • Peer CVR | 0.8 | 0.8 |
| | □Method CVR | 0.8 | 0.8 |
| | • Peer SDI | –0.20 | 0.10 |
| | □Method SDI | –0.44 | –0.17 |

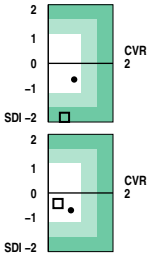



| Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Ferene | |
| 1 | Mean | 180.2 | 187.6 | 184.7 | 187.6 | 186.1 | 188.2 |
| | SD | 7.38 | 8.81 | 9.60 | 9.51 | 8.97 | 9.00 |
| | CV | 4.1 | 4.7 | 5.2 | 5.1 | 4.8 | 4.8 |
| | # Points | 29 | 633 | 559 | 18971 | 829 | 32699 |
| | # Labs | | | 22 | 47 | 33 | 75 |
| 3 | Mean | 344.8 | 348.8 | 346.8 | 347.8 | 349.4 | 350.6 |
| | SD | 8.30 | 8.01 | 9.95 | 9.97 | 10.53 | 10.37 |
| | CV | 2.4 | 2.3 | 2.9 | 2.9 | 3.0 | 3.0 |
| | # Points | 29 | 629 | 554 | 18818 | 828 | 32527 |
| | # Labs | | | 22 | 47 | 32 | 75 |

## Triglycerides Enzymatic, end point mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • TGL REF DF69A : CHEM II Cal REF DC20 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| 1 | • Peer CVR | 0.8 | 0.8 |
| | □Method CVR | 0.5 | 0.6 |
| | • Peer SDI | –0.55 | –0.30 |
| | □Method SDI | –1.84 | –1.64 |
| 3 | • Peer CVR | 0.7 | 0.8 |
| | □Method CVR | 0.3 | 0.3 |
| | • Peer SDI | –0.59 | –0.15 |
| | □Method SDI | –0.36 | –0.15 |




| Level | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Enzymatic, end point | |
| 1 | Mean | 85.50 | 86.00 | 86.96 | 86.91 | 93.92 | 93.22 |
| | SD | 2.10 | 2.38 | 2.64 | 3.05 | 4.57 | 4.41 |
| | CV | 2.5 | 2.8 | 3.0 | 3.5 | 4.9 | 4.7 |
| | # Points | 29 | 634 | 1212 | 37856 | 11177 | 338K |
| | # Labs | | | 43 | 77 | 223 | 455 |
| 3 | Mean | 215.2 | 216.3 | 217.9 | 216.9 | 219.5 | 217.7 |
| | SD | 3.07 | 3.47 | 4.59 | 4.17 | 12.26 | 10.00 |
| | CV | 1.4 | 1.6 | 2.1 | 1.9 | 5.6 | 4.6 |
| | # Points | 29 | 631 | 1228 | 41353 | 11257 | 343K |
| | # Labs | | | 44 | 90 | 226 | 476 |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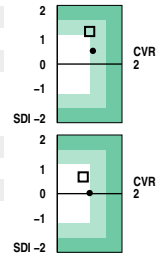
## Urea Nitrogen — Urease, UV mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • BUN REF DF21 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 1.1 | 0.9 |
| □Method CVR | 1 | 1.0 | 0.9 |
| • Peer SDI | 1 | 0.45 | 0.00 |
| □Method SDI | 1 | 1.11 | 0.60 |
| • Peer CVR | 3 | 1.0 | 0.8 |
| □Method CVR | 3 | 0.8 | 0.7 |
| • Peer SDI | 3 | 0.02 | 0.02 |
| □Method SDI | 3 | 0.57 | 0.48 |

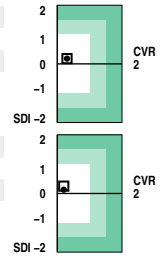



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Urease, UV | |
| Mean | 1 | 16.03 | 15.57 | 15.66 | 15.57 | 15.12 | 15.12 |
| SD | 1 | 0.910 | 0.700 | 0.812 | 0.773 | 0.819 | 0.747 |
| CV | 1 | 5.7 | 4.5 | 5.2 | 5.0 | 5.4 | 4.9 |
| # Points | 1 | 31 | 650 | 2513 | 78222 | 18593 | 525K |
| # Labs | 1 | | | 85 | 139 | 321 | 581 |
| Mean | 3 | 71.07 | 70.86 | 71.03 | 70.82 | 69.50 | 69.67 |
| SD | 3 | 2.29 | 1.80 | 2.34 | 2.34 | 2.71 | 2.45 |
| CV | 3 | 3.2 | 2.5 | 3.3 | 3.3 | 3.9 | 3.5 |
| # Points | 3 | 31 | 649 | 2523 | 81551 | 18744 | 531K |
| # Labs | 3 | | | 86 | 152 | 325 | 604 |

## Uric Acid — Uricase, UV mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • URCA REF DF77 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.3 | 0.4 |
| □Method CVR | 1 | 0.3 | 0.4 |
| • Peer SDI | 1 | 0.18 | –0.05 |
| □Method SDI | 1 | 0.18 | –0.07 |
| • Peer CVR | 3 | 0.2 | 0.2 |
| □Method CVR | 3 | 0.2 | 0.3 |
| • Peer SDI | 3 | 0.13 | –0.07 |
| □Method SDI | 3 | 0.25 | 0.05 |




| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Uricase, UV | |
| Mean | 1 | 3.64 | 3.59 | 3.60 | 3.60 | 3.60 | 3.60 |
| SD | 1 | 0.070 | 0.074 | 0.227 | 0.212 | 0.206 | 0.182 |
| CV | 1 | 1.9 | 2.1 | 6.3 | 5.9 | 5.7 | 5.0 |
| # Points | 1 | 29 | 631 | 1734 | 52961 | 2239 | 77505 |
| # Labs | 1 | | | 65 | 112 | 84 | 165 |
| Mean | 3 | 9.99 | 9.90 | 9.91 | 9.94 | 9.86 | 9.88 |
| SD | 3 | 0.120 | 0.133 | 0.598 | 0.548 | 0.546 | 0.478 |
| CV | 3 | 1.2 | 1.3 | 6.0 | 5.5 | 5.5 | 4.8 |
| # Points | 3 | 29 | 627 | 1762 | 56252 | 2262 | 80876 |
| # Labs | 3 | | | 66 | 125 | 84 | 178 |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**February 2022 • 100297**

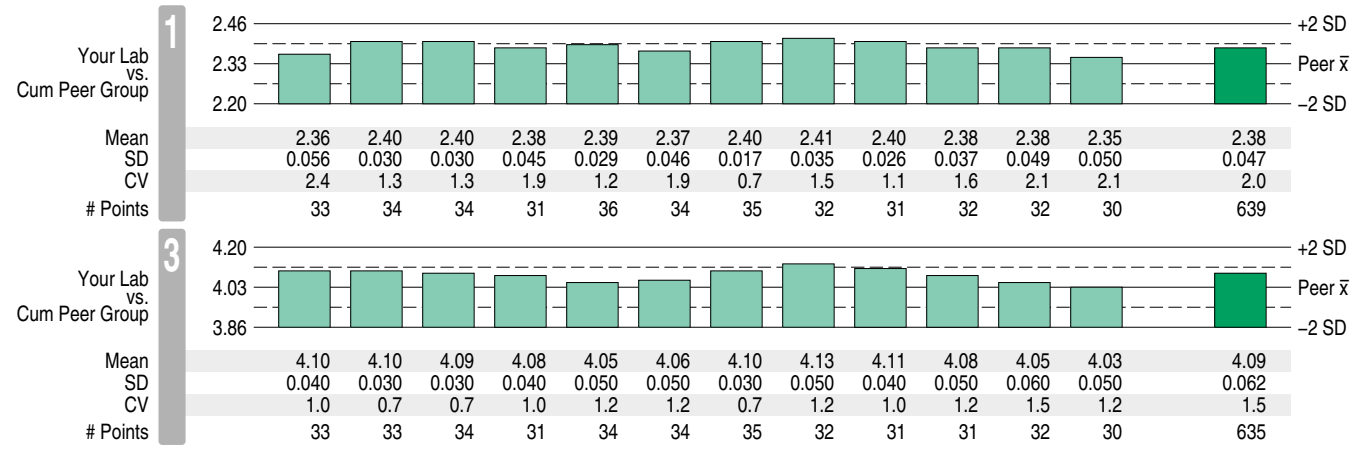
# Laboratory Histogram

Multiqual 1,2,3 Unassayed • Lot 56650 • Exp 30–Nov–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Albumin Bromcresol Purple (BCP) g/dL

Siemens Dimension EXL • Dimension EXL–183197 • ALB REF DF13 : Total Protein/Albumin Cal REF DC31 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 2.36 | 2.40 | 2.40 | 2.38 | 2.39 | 2.37 | 2.40 | 2.41 | 2.40 | 2.38 | 2.38 | 2.35 | 2.38 |
| 1 SD | 0.056 | 0.030 | 0.030 | 0.045 | 0.029 | 0.046 | 0.017 | 0.035 | 0.026 | 0.037 | 0.049 | 0.050 | 0.047 |
| 1 CV | 2.4 | 1.3 | 1.3 | 1.9 | 1.2 | 1.9 | 0.7 | 1.5 | 1.1 | 1.6 | 2.1 | 2.1 | 2.0 |
| 1 # Points | 33 | 34 | 34 | 31 | 36 | 34 | 35 | 32 | 31 | 32 | 32 | 30 | 639 |
| 3 Mean | 4.10 | 4.10 | 4.09 | 4.08 | 4.05 | 4.06 | 4.10 | 4.13 | 4.11 | 4.08 | 4.05 | 4.03 | 4.09 |
| 3 SD | 0.040 | 0.030 | 0.030 | 0.040 | 0.050 | 0.050 | 0.030 | 0.050 | 0.040 | 0.050 | 0.060 | 0.050 | 0.062 |
| 3 CV | 1.0 | 0.7 | 0.7 | 1.0 | 1.2 | 1.2 | 0.7 | 1.2 | 1.0 | 1.2 | 1.5 | 1.2 | 1.5 |
| 3 # Points | 33 | 33 | 34 | 31 | 34 | 34 | 35 | 32 | 31 | 31 | 32 | 30 | 635 |

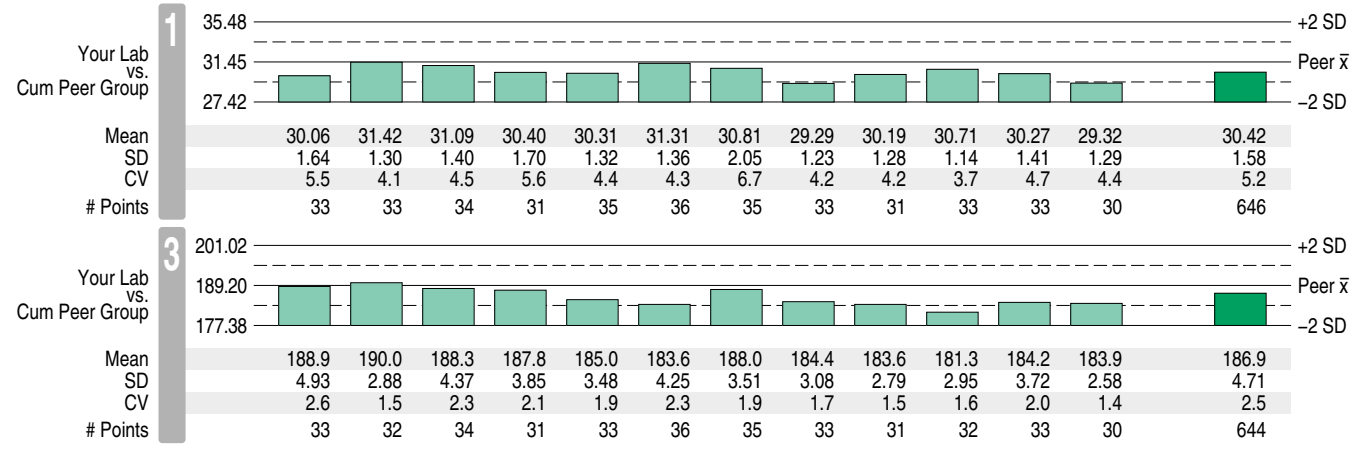
## Alkaline Phosphatase PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated U/L

Siemens Dimension EXL • Dimension EXL–183197 • ALPI REF DF150 : ALPI Cal REF DC150 – Unspecified *** – Unspecified ***

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 30.67 | 31.27 | 31.95 | 31.70 | 28.94 | 27.24 | 28.79 | 27.88 | 26.24 | 26.12 | 25.75 | 27.28 | 29.03 |
| 1 SD | 1.11 | 1.19 | 1.26 | 1.56 | 1.53 | 1.22 | 1.30 | 1.26 | 1.95 | 1.22 | 1.08 | 2.54 | 2.37 |
| 1 CV | 3.6 | 3.8 | 3.9 | 4.9 | 5.3 | 4.5 | 4.5 | 4.5 | 7.4 | 4.7 | 4.2 | 9.3 | 8.2 |
| 1 # Points | 33 | 34 | 35 | 30 | 35 | 38 | 34 | 34 | 33 | 33 | 32 | 31 | 648 |
| 3 Mean | 291.5 | 291.8 | 294.2 | 298.6 | 288.1 | 280.6 | 276.4 | 282.1 | 285.9 | 288.0 | 281.4 | 283.2 | 288.6 |
| 3 SD | 5.10 | 5.60 | 7.20 | 5.80 | 5.90 | 6.88 | 3.99 | 4.77 | 6.68 | 6.14 | 4.02 | 5.02 | 7.60 |
| 3 CV | 1.7 | 1.9 | 2.4 | 1.9 | 2.0 | 2.5 | 1.4 | 1.7 | 2.3 | 2.1 | 1.4 | 1.8 | 2.6 |
| 3 # Points | 33 | 33 | 35 | 30 | 33 | 35 | 34 | 34 | 33 | 32 | 32 | 31 | 642 |

## ALT (ALAT/GPT) UV with P5P – IFCC Ref. Proc., Calibrated U/L

Siemens Dimension EXL • Dimension EXL–183197 • ALTI REF DF143 : Enzyme II Cal REF DC143 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 30.06 | 31.42 | 31.09 | 30.40 | 30.31 | 31.31 | 30.81 | 29.29 | 30.19 | 30.71 | 30.27 | 29.32 | 30.42 |
| 1 SD | 1.64 | 1.30 | 1.40 | 1.70 | 1.32 | 1.36 | 2.05 | 1.23 | 1.28 | 1.14 | 1.41 | 1.29 | 1.58 |
| 1 CV | 5.5 | 4.1 | 4.5 | 5.6 | 4.4 | 4.3 | 6.7 | 4.2 | 4.2 | 3.7 | 4.7 | 4.4 | 5.2 |
| 1 # Points | 33 | 33 | 34 | 31 | 35 | 36 | 35 | 33 | 31 | 33 | 33 | 30 | 646 |
| 3 Mean | 188.9 | 190.0 | 188.3 | 187.8 | 185.0 | 183.6 | 188.0 | 184.4 | 183.6 | 181.3 | 184.2 | 183.9 | 186.9 |
| 3 SD | 4.93 | 2.88 | 4.37 | 3.85 | 3.48 | 4.25 | 3.51 | 3.08 | 2.79 | 2.95 | 3.72 | 2.58 | 4.71 |
| 3 CV | 2.6 | 1.5 | 2.3 | 2.1 | 1.9 | 2.3 | 1.9 | 1.7 | 1.5 | 1.6 | 2.0 | 1.4 | 2.5 |
| 3 # Points | 33 | 32 | 34 | 31 | 33 | 36 | 35 | 33 | 31 | 32 | 33 | 30 | 644 |

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.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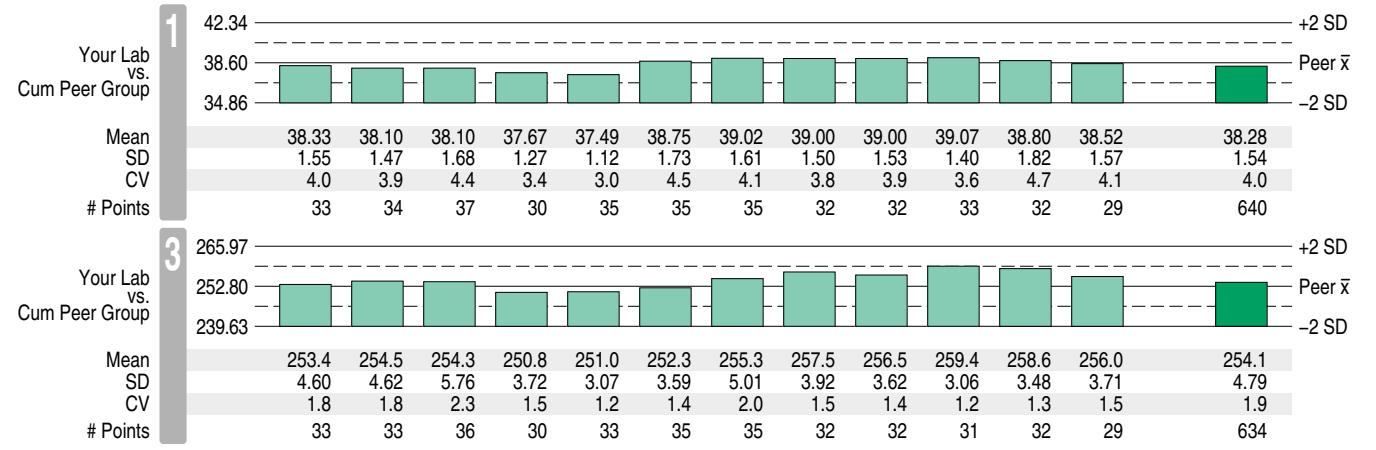
## Amylase CNP–triose/CNPG3 U/L

Siemens Dimension EXL • Dimension EXL–183197 • AMY REF DF17A : Enzyme Verifier Cal REF DC19 – Unspecified *** – Unspecified ***

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 42.62 | 42.94 | 42.44 | 42.39 | 42.66 | 42.50 | 42.26 | 42.61 | 43.00 | 43.16 | 43.15 | 43.03 | 42.90 |
| SD | 0.732 | 0.747 | 0.660 | 0.803 | 0.938 | 0.707 | 0.960 | 0.770 | 0.680 | 0.720 | 0.840 | 0.820 | 0.797 |
| CV | 1.7 | 1.7 | 1.6 | 1.9 | 2.2 | 1.7 | 2.3 | 1.8 | 1.6 | 1.7 | 1.9 | 1.9 | 1.9 |
| # Points | 41 | 33 | 34 | 31 | 35 | 34 | 34 | 32 | 31 | 32 | 32 | 29 | 642 |
| Mean | 320.0 | 319.9 | 319.7 | 317.7 | 321.2 | 320.2 | 320.7 | 324.2 | 324.5 | 326.2 | 325.6 | 324.5 | 323.0 |
| SD | 2.62 | 2.43 | 2.77 | 2.88 | 2.60 | 2.14 | 2.92 | 2.85 | 2.10 | 2.31 | 2.20 | 2.35 | 3.57 |
| CV | 0.8 | 0.8 | 0.9 | 0.9 | 0.8 | 0.7 | 0.9 | 0.9 | 0.6 | 0.7 | 0.7 | 0.7 | 1.1 |
| # Points | 44 | 32 | 34 | 31 | 33 | 34 | 34 | 32 | 31 | 31 | 32 | 29 | 641 |

## AST (ASAT/GOT) UV with P5P U/L

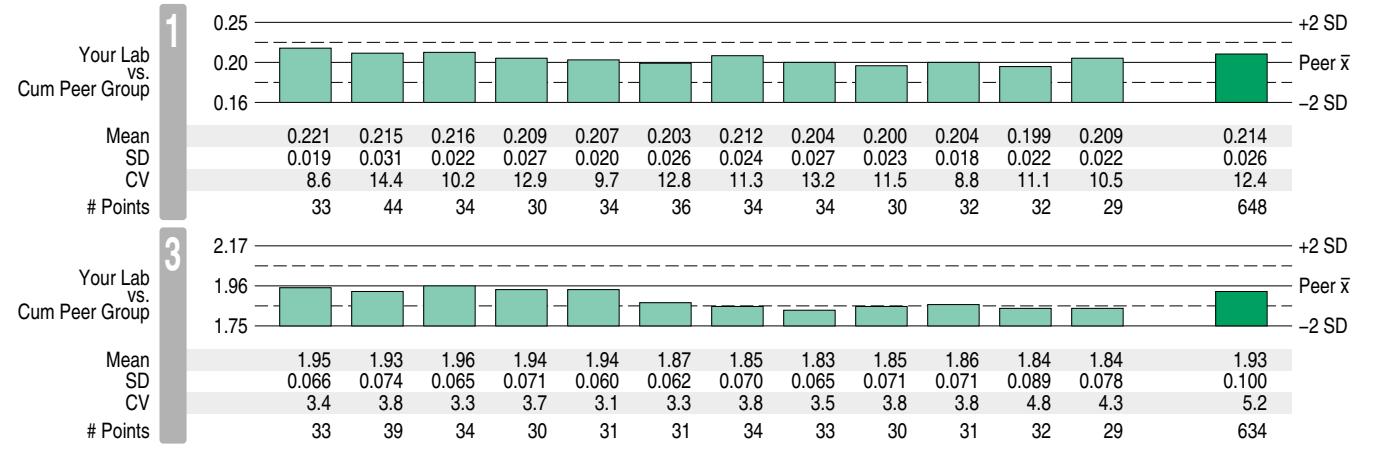
Siemens Dimension EXL • Dimension EXL–183197 • AST REF DF41A : Enzyme Verifier Cal REF DC19 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 38.33 | 38.10 | 38.10 | 37.67 | 37.49 | 38.75 | 39.02 | 39.00 | 39.00 | 39.07 | 38.80 | 38.52 | 38.28 |
| SD | 1.55 | 1.47 | 1.68 | 1.27 | 1.12 | 1.73 | 1.61 | 1.50 | 1.53 | 1.40 | 1.82 | 1.57 | 1.54 |
| CV | 4.0 | 3.9 | 4.4 | 3.4 | 3.0 | 4.5 | 4.1 | 3.8 | 3.9 | 3.6 | 4.7 | 4.1 | 4.0 |
| # Points | 33 | 34 | 37 | 30 | 35 | 35 | 35 | 32 | 32 | 33 | 32 | 29 | 640 |
| Mean | 253.4 | 254.5 | 254.3 | 250.8 | 251.0 | 252.3 | 255.3 | 257.5 | 256.5 | 259.4 | 258.6 | 256.0 | 254.1 |
| SD | 4.60 | 4.62 | 5.76 | 3.72 | 3.07 | 3.59 | 5.01 | 3.92 | 3.62 | 3.06 | 3.48 | 3.71 | 4.79 |
| CV | 1.8 | 1.8 | 2.3 | 1.5 | 1.2 | 1.4 | 2.0 | 1.5 | 1.4 | 1.2 | 1.3 | 1.5 | 1.9 |
| # Points | 33 | 33 | 36 | 30 | 33 | 35 | 35 | 32 | 32 | 31 | 32 | 29 | 634 |

## Bilirubin, Direct/BC (DBIL) Diazotization mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • DBI REF DF125 : TBI/DBI Cal REF DC167 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 0.221 | 0.215 | 0.216 | 0.209 | 0.207 | 0.203 | 0.212 | 0.204 | 0.200 | 0.204 | 0.199 | 0.209 | 0.214 |
| SD | 0.019 | 0.031 | 0.022 | 0.027 | 0.020 | 0.026 | 0.024 | 0.027 | 0.023 | 0.018 | 0.022 | 0.022 | 0.026 |
| CV | 8.6 | 14.4 | 10.2 | 12.9 | 9.7 | 12.8 | 11.3 | 13.2 | 11.5 | 8.8 | 11.1 | 10.5 | 12.4 |
| # Points | 33 | 44 | 34 | 30 | 34 | 36 | 34 | 34 | 30 | 32 | 32 | 29 | 648 |
| Mean | 1.95 | 1.93 | 1.96 | 1.94 | 1.94 | 1.87 | 1.85 | 1.83 | 1.85 | 1.86 | 1.84 | 1.84 | 1.93 |
| SD | 0.066 | 0.074 | 0.065 | 0.071 | 0.060 | 0.062 | 0.070 | 0.065 | 0.071 | 0.071 | 0.089 | 0.078 | 0.100 |
| CV | 3.4 | 3.8 | 3.3 | 3.7 | 3.1 | 3.3 | 3.8 | 3.5 | 3.8 | 3.8 | 4.8 | 4.3 | 5.2 |
| # Points | 33 | 39 | 34 | 30 | 31 | 31 | 34 | 33 | 30 | 31 | 32 | 29 | 634 |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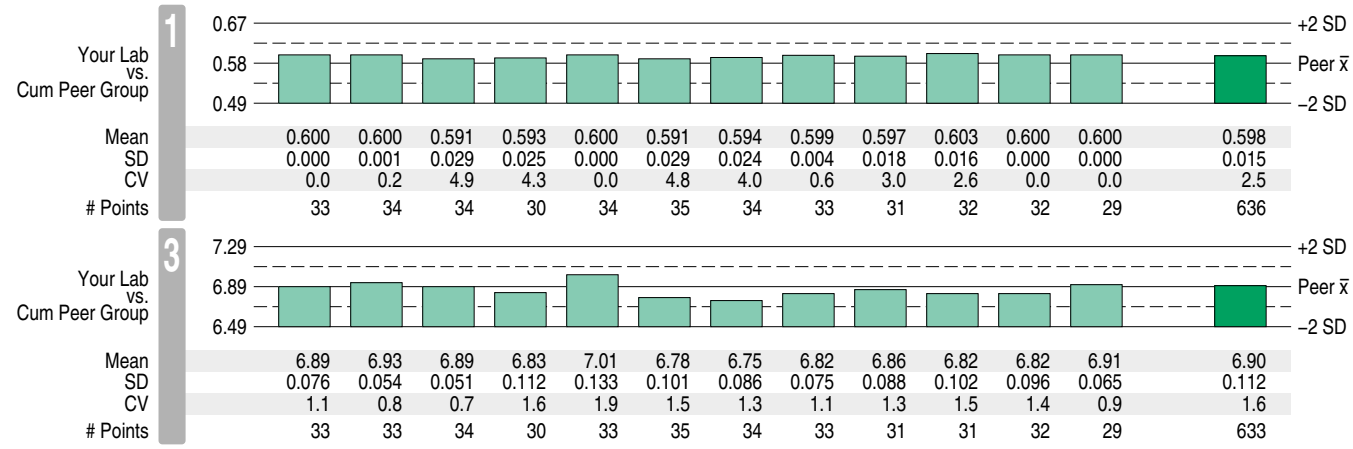
## Bilirubin, Total/TBIL Jendrassik Grof mg/dL

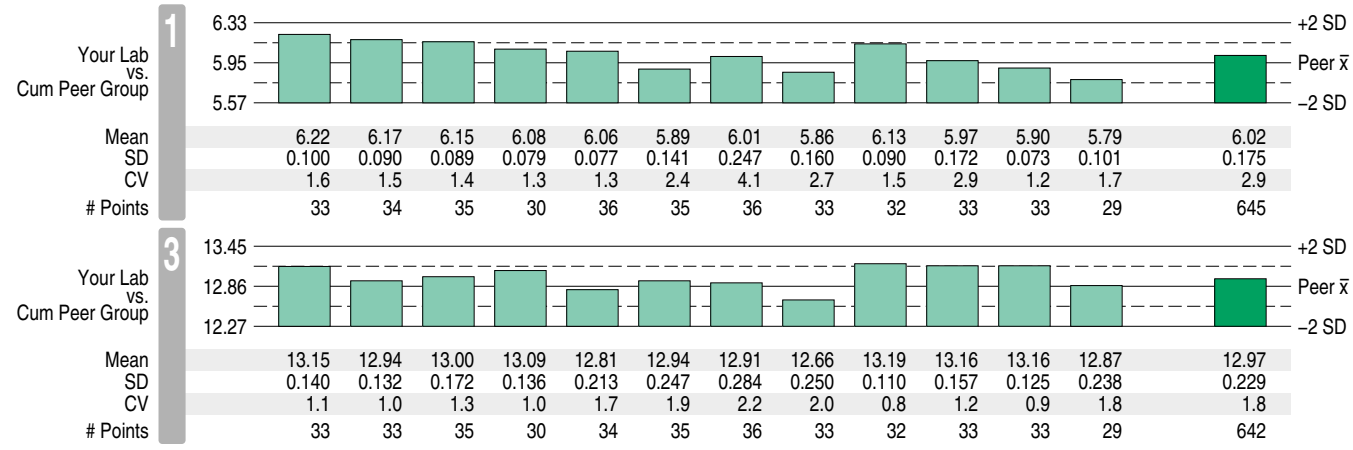
Siemens Dimension EXL • Dimension EXL–183197 • TBI REF DF167 : TBI/DBI Cal REF DC167 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 0.600 | 0.600 | 0.591 | 0.593 | 0.600 | 0.591 | 0.594 | 0.599 | 0.597 | 0.603 | 0.600 | 0.600 | 0.598 |
| SD | 0.000 | 0.001 | 0.029 | 0.025 | 0.000 | 0.029 | 0.024 | 0.004 | 0.018 | 0.016 | 0.000 | 0.000 | 0.015 |
| CV | 0.0 | 0.2 | 4.9 | 4.3 | 0.0 | 4.8 | 4.0 | 0.6 | 3.0 | 2.6 | 0.0 | 0.0 | 2.5 |
| # Points | 33 | 34 | 34 | 30 | 34 | 35 | 34 | 33 | 31 | 32 | 32 | 29 | 636 |
| Mean | 6.89 | 6.93 | 6.89 | 6.83 | 7.01 | 6.78 | 6.75 | 6.82 | 6.86 | 6.82 | 6.82 | 6.91 | 6.90 |
| SD | 0.076 | 0.054 | 0.051 | 0.112 | 0.133 | 0.101 | 0.086 | 0.075 | 0.088 | 0.102 | 0.096 | 0.065 | 0.112 |
| CV | 1.1 | 0.8 | 0.7 | 1.6 | 1.9 | 1.5 | 1.3 | 1.1 | 1.3 | 1.5 | 1.4 | 0.9 | 1.6 |
| # Points | 33 | 33 | 34 | 30 | 33 | 35 | 34 | 33 | 31 | 31 | 32 | 29 | 633 |

## Calcium o–cresolphthalein complexone mg/dL

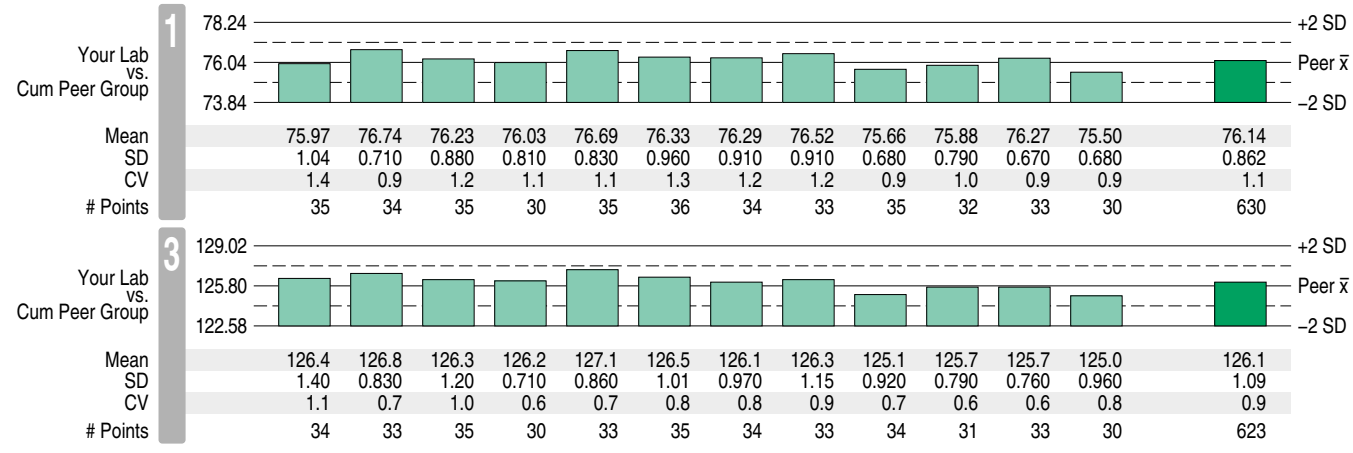
Siemens Dimension EXL • Dimension EXL–183197 • CA REF DF23A : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 6.22 | 6.17 | 6.15 | 6.08 | 6.06 | 5.89 | 6.01 | 5.86 | 6.13 | 5.97 | 5.90 | 5.79 | 6.02 |
| SD | 0.100 | 0.090 | 0.089 | 0.079 | 0.077 | 0.141 | 0.247 | 0.160 | 0.090 | 0.172 | 0.073 | 0.101 | 0.175 |
| CV | 1.6 | 1.5 | 1.4 | 1.3 | 1.3 | 2.4 | 4.1 | 2.7 | 1.5 | 2.9 | 1.2 | 1.7 | 2.9 |
| # Points | 33 | 34 | 35 | 30 | 36 | 35 | 36 | 33 | 32 | 33 | 33 | 29 | 645 |
| Mean | 13.15 | 12.94 | 13.00 | 13.09 | 12.81 | 12.94 | 12.91 | 12.66 | 13.19 | 13.16 | 13.16 | 12.87 | 12.97 |
| SD | 0.140 | 0.132 | 0.172 | 0.136 | 0.213 | 0.247 | 0.284 | 0.250 | 0.110 | 0.157 | 0.125 | 0.238 | 0.229 |
| CV | 1.1 | 1.0 | 1.3 | 1.0 | 1.7 | 1.9 | 2.2 | 2.0 | 0.8 | 1.2 | 0.9 | 1.8 | 1.8 |
| # Points | 33 | 33 | 35 | 30 | 34 | 35 | 36 | 33 | 32 | 33 | 33 | 29 | 642 |

## Chloride ISE indirect mEq/L

Siemens Dimension EXL • Dimension EXL–183197 • QuikLYTE REF S600 : Siemens No Cal – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 75.97 | 76.74 | 76.23 | 76.03 | 76.69 | 76.33 | 76.29 | 76.52 | 75.66 | 75.88 | 76.27 | 75.50 | 76.14 |
| SD | 1.04 | 0.710 | 0.880 | 0.810 | 0.830 | 0.960 | 0.910 | 0.910 | 0.680 | 0.790 | 0.670 | 0.680 | 0.862 |
| CV | 1.4 | 0.9 | 1.2 | 1.1 | 1.1 | 1.3 | 1.2 | 1.2 | 0.9 | 1.0 | 0.9 | 0.9 | 1.1 |
| # Points | 35 | 34 | 35 | 30 | 35 | 36 | 34 | 33 | 35 | 32 | 33 | 30 | 630 |
| Mean | 126.4 | 126.8 | 126.3 | 126.2 | 127.1 | 126.5 | 126.1 | 126.3 | 125.1 | 125.7 | 125.7 | 125.0 | 126.1 |
| SD | 1.40 | 0.830 | 1.20 | 0.710 | 0.860 | 1.01 | 0.970 | 1.15 | 0.920 | 0.790 | 0.760 | 0.960 | 1.09 |
| CV | 1.1 | 0.7 | 1.0 | 0.6 | 0.7 | 0.8 | 0.8 | 0.9 | 0.7 | 0.6 | 0.6 | 0.8 | 0.9 |
| # Points | 34 | 33 | 35 | 30 | 33 | 35 | 34 | 33 | 34 | 31 | 33 | 30 | 623 |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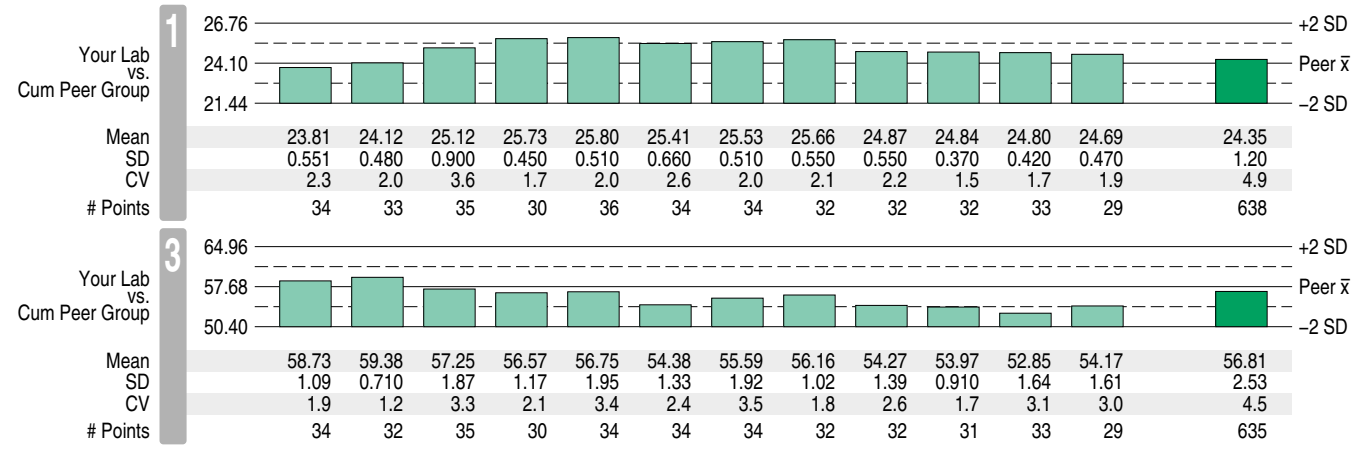
## Cholesterol, HDL — Direct measure–PEG mg/dL

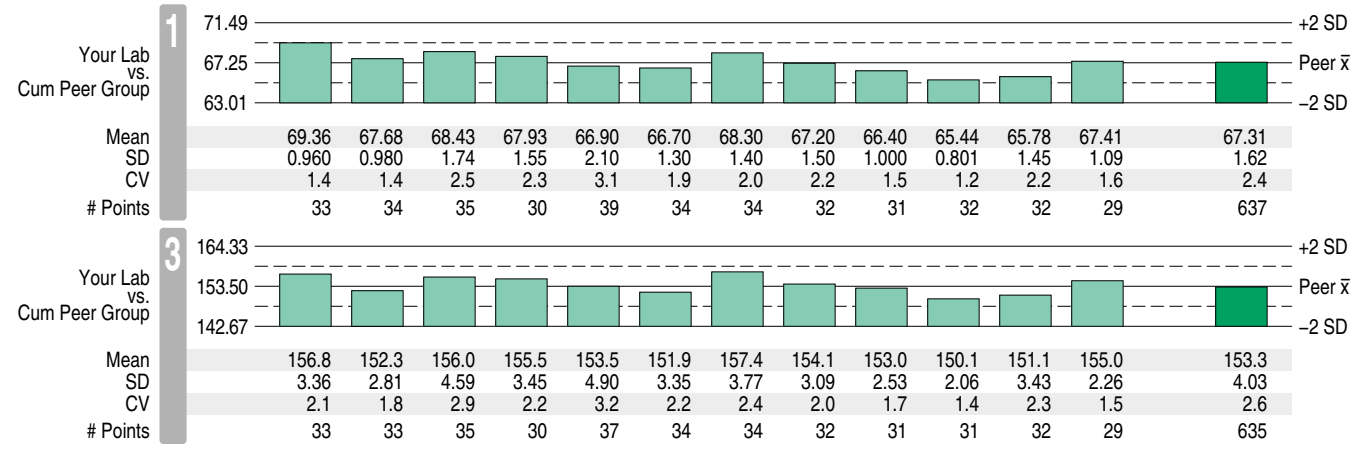
Siemens Dimension EXL • Dimension EXL–183197 • AHDL REF DF48B : AHDL Cal REF DC48B – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 23.81 | 24.12 | 25.12 | 25.73 | 25.80 | 25.41 | 25.53 | 25.66 | 24.87 | 24.84 | 24.80 | 24.69 | 24.35 |
| SD | 0.551 | 0.480 | 0.900 | 0.450 | 0.510 | 0.660 | 0.510 | 0.550 | 0.550 | 0.370 | 0.420 | 0.470 | 1.20 |
| CV | 2.3 | 2.0 | 3.6 | 1.7 | 2.0 | 2.6 | 2.0 | 2.1 | 2.2 | 1.5 | 1.7 | 1.9 | 4.9 |
| # Points | 34 | 33 | 35 | 30 | 36 | 34 | 34 | 32 | 32 | 32 | 33 | 29 | 638 |
| Mean | 58.73 | 59.38 | 57.25 | 56.57 | 56.75 | 54.38 | 55.59 | 56.16 | 54.27 | 53.97 | 52.85 | 54.17 | 56.81 |
| SD | 1.09 | 0.710 | 1.87 | 1.17 | 1.95 | 1.33 | 1.92 | 1.02 | 1.39 | 0.910 | 1.64 | 1.61 | 2.53 |
| CV | 1.9 | 1.2 | 3.3 | 2.1 | 3.4 | 2.4 | 3.5 | 1.8 | 2.6 | 1.7 | 3.1 | 3.0 | 4.5 |
| # Points | 34 | 32 | 35 | 30 | 34 | 34 | 34 | 32 | 32 | 31 | 33 | 29 | 635 |

## Cholesterol, LDL — Direct measure mg/dL

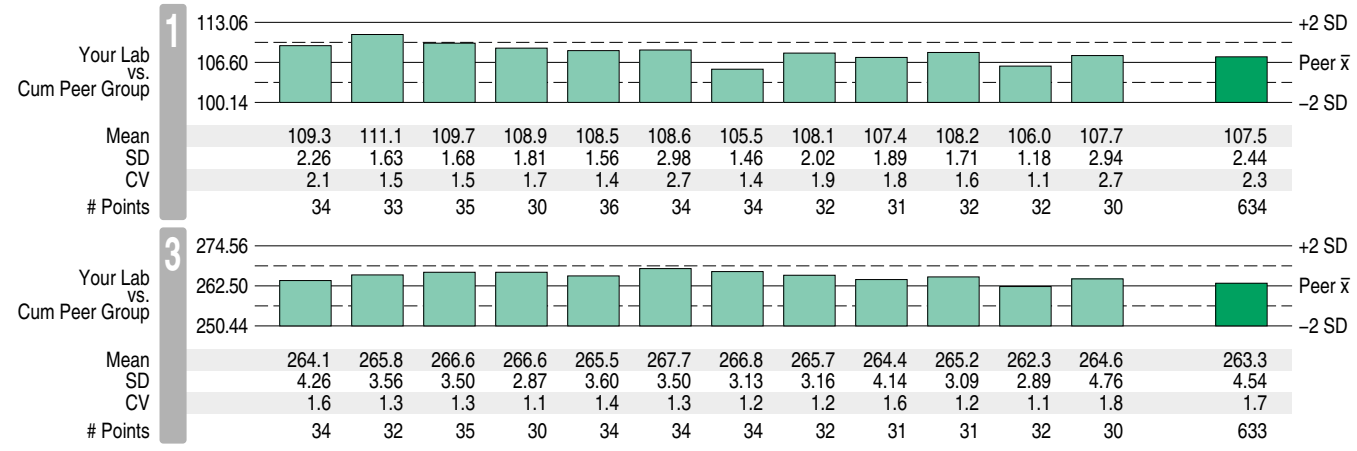
Siemens Dimension EXL • Dimension EXL–183197 • ALDL REF DF131 : ALDL Cal REF DC131 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 69.36 | 67.68 | 68.43 | 67.93 | 66.90 | 66.70 | 68.30 | 67.20 | 66.40 | 65.44 | 65.78 | 67.41 | 67.31 |
| SD | 0.960 | 0.980 | 1.74 | 1.55 | 2.10 | 1.30 | 1.40 | 1.50 | 1.000 | 0.801 | 1.45 | 1.09 | 1.62 |
| CV | 1.4 | 1.4 | 2.5 | 2.3 | 3.1 | 1.9 | 2.0 | 2.2 | 1.5 | 1.2 | 2.2 | 1.6 | 2.4 |
| # Points | 33 | 34 | 35 | 30 | 39 | 34 | 34 | 32 | 31 | 32 | 32 | 29 | 637 |
| Mean | 156.8 | 152.3 | 156.0 | 155.5 | 153.5 | 151.9 | 157.4 | 154.1 | 153.0 | 150.1 | 151.1 | 155.0 | 153.3 |
| SD | 3.36 | 2.81 | 4.59 | 3.45 | 4.90 | 3.35 | 3.77 | 3.09 | 2.53 | 2.06 | 3.43 | 2.26 | 4.03 |
| CV | 2.1 | 1.8 | 2.9 | 2.2 | 3.2 | 2.2 | 2.4 | 2.0 | 1.7 | 1.4 | 2.3 | 1.5 | 2.6 |
| # Points | 33 | 33 | 35 | 30 | 37 | 34 | 34 | 32 | 31 | 31 | 32 | 29 | 635 |

## Cholesterol, Total — Cholesterol oxidase, esterase, peroxidase mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • CHOL REF DF27 : CHOL Cal REF DC16 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 109.3 | 111.1 | 109.7 | 108.9 | 108.5 | 108.6 | 105.5 | 108.1 | 107.4 | 108.2 | 106.0 | 107.7 | 107.5 |
| SD | 2.26 | 1.63 | 1.68 | 1.81 | 1.56 | 2.98 | 1.46 | 2.02 | 1.89 | 1.71 | 1.18 | 2.94 | 2.44 |
| CV | 2.1 | 1.5 | 1.5 | 1.7 | 1.4 | 2.7 | 1.4 | 1.9 | 1.8 | 1.6 | 1.1 | 2.7 | 2.3 |
| # Points | 34 | 33 | 35 | 30 | 36 | 34 | 34 | 32 | 31 | 32 | 32 | 30 | 634 |
| Mean | 264.1 | 265.8 | 266.6 | 266.6 | 265.5 | 267.7 | 266.8 | 265.7 | 264.4 | 265.2 | 262.3 | 264.6 | 263.3 |
| SD | 4.26 | 3.56 | 3.50 | 2.87 | 3.60 | 3.50 | 3.13 | 3.16 | 4.14 | 3.09 | 2.89 | 4.76 | 4.54 |
| CV | 1.6 | 1.3 | 1.3 | 1.1 | 1.4 | 1.3 | 1.2 | 1.2 | 1.6 | 1.2 | 1.1 | 1.8 | 1.7 |
| # Points | 34 | 32 | 35 | 30 | 34 | 34 | 34 | 32 | 31 | 31 | 32 | 30 | 633 |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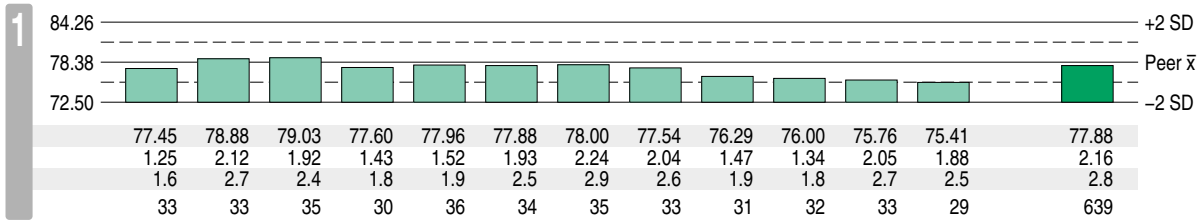
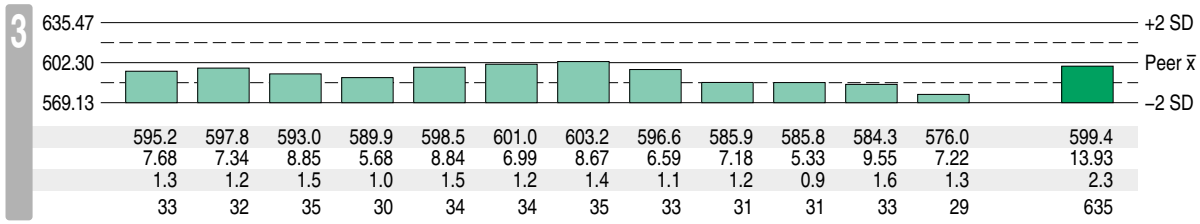
## CK (Creatine Kinase) NAC Activated – IFCC Ref. Proc., Calibrated U/L

Siemens Dimension EXL • Dimension EXL–183197 • CKI REF DF38 : CKI/MBI Cal REF DC32 – Unspecified *** – Unspecified ***



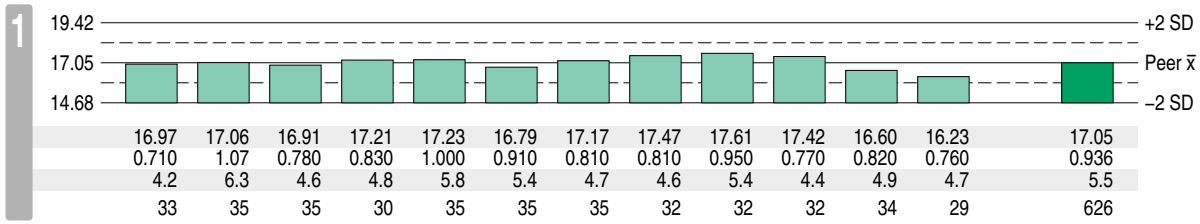

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 77.45 | 78.88 | 79.03 | 77.60 | 77.96 | 77.88 | 78.00 | 77.54 | 76.29 | 76.00 | 75.76 | 75.41 | 77.88 |
| SD | 1.25 | 2.12 | 1.92 | 1.43 | 1.52 | 1.93 | 2.24 | 2.04 | 1.47 | 1.34 | 2.05 | 1.88 | 2.16 |
| CV | 1.6 | 2.7 | 2.4 | 1.8 | 1.9 | 2.5 | 2.9 | 2.6 | 1.9 | 1.8 | 2.7 | 2.5 | 2.8 |
| # Points | 33 | 33 | 35 | 30 | 36 | 34 | 35 | 33 | 31 | 32 | 33 | 29 | 639 |



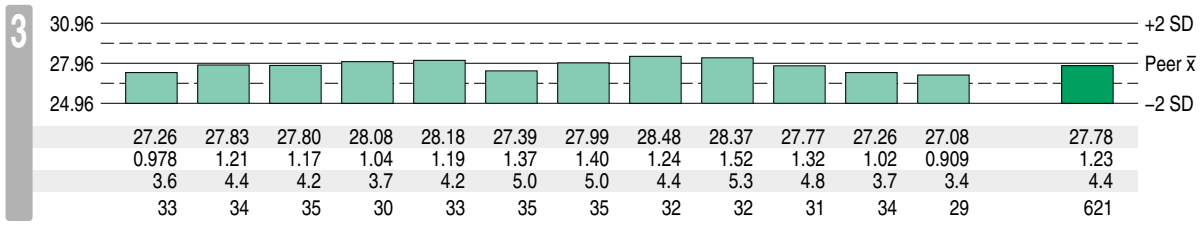

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 595.2 | 597.8 | 593.0 | 589.9 | 598.5 | 601.0 | 603.2 | 596.6 | 585.9 | 585.8 | 584.3 | 576.0 | 599.4 |
| SD | 7.68 | 7.34 | 8.85 | 5.68 | 8.84 | 6.99 | 8.67 | 6.59 | 7.18 | 5.33 | 9.55 | 7.22 | 13.93 |
| CV | 1.3 | 1.2 | 1.5 | 1.0 | 1.5 | 1.2 | 1.4 | 1.1 | 1.2 | 0.9 | 1.6 | 1.3 | 2.3 |
| # Points | 33 | 32 | 35 | 30 | 34 | 34 | 35 | 33 | 31 | 31 | 33 | 29 | 635 |

## CO2 (Carbon Dioxide) Enzymatic mEq/L

Siemens Dimension EXL • Dimension EXL–183197 • EC02 REF DF137 : CHEM III Cal REF DC130 – Unspecified *** – Unspecified ***



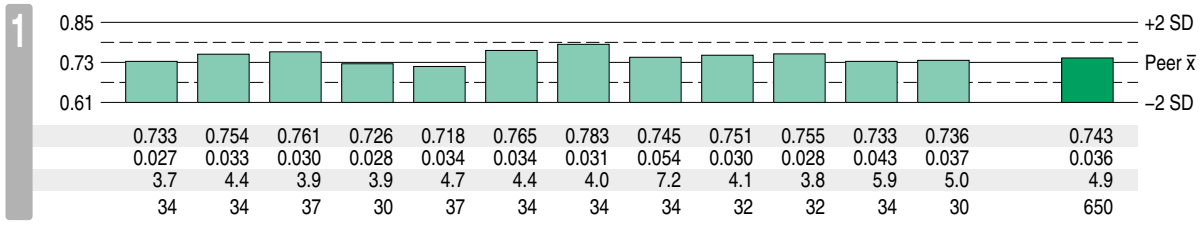

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 16.97 | 17.06 | 16.91 | 17.21 | 17.23 | 16.79 | 17.17 | 17.47 | 17.61 | 17.42 | 16.60 | 16.23 | 17.05 |
| SD | 0.710 | 1.07 | 0.780 | 0.830 | 1.000 | 0.910 | 0.810 | 0.810 | 0.950 | 0.770 | 0.820 | 0.760 | 0.936 |
| CV | 4.2 | 6.3 | 4.6 | 4.8 | 5.8 | 5.4 | 4.7 | 4.6 | 5.4 | 4.4 | 4.9 | 4.7 | 5.5 |
| # Points | 33 | 35 | 35 | 30 | 35 | 35 | 35 | 32 | 32 | 32 | 34 | 29 | 626 |



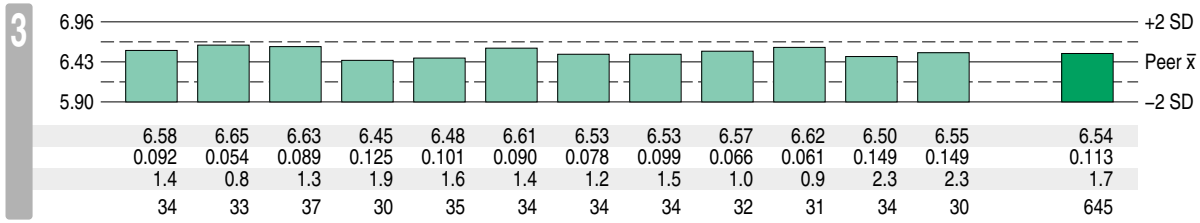

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 27.26 | 27.83 | 27.80 | 28.08 | 28.18 | 27.39 | 27.99 | 28.48 | 28.37 | 27.77 | 27.26 | 27.08 | 27.78 |
| SD | 0.978 | 1.21 | 1.17 | 1.04 | 1.19 | 1.37 | 1.40 | 1.24 | 1.52 | 1.32 | 1.02 | 0.909 | 1.23 |
| CV | 3.6 | 4.4 | 4.2 | 3.7 | 4.2 | 5.0 | 5.0 | 4.4 | 5.3 | 4.8 | 3.7 | 3.4 | 4.4 |
| # Points | 33 | 34 | 35 | 30 | 33 | 35 | 35 | 32 | 32 | 31 | 34 | 29 | 621 |

## Creatinine Alkaline picrate method, IFCC–IDMS Standardized mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • CRE2 REF DF33B : CHEM I Cal REF DC18C – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 0.733 | 0.754 | 0.761 | 0.726 | 0.718 | 0.765 | 0.783 | 0.745 | 0.751 | 0.755 | 0.733 | 0.736 | 0.743 |
| SD | 0.027 | 0.033 | 0.030 | 0.028 | 0.034 | 0.034 | 0.031 | 0.054 | 0.030 | 0.028 | 0.043 | 0.037 | 0.036 |
| CV | 3.7 | 4.4 | 3.9 | 3.9 | 4.7 | 4.4 | 4.0 | 7.2 | 4.1 | 3.8 | 5.9 | 5.0 | 4.9 |
| # Points | 34 | 34 | 37 | 30 | 37 | 34 | 34 | 34 | 32 | 32 | 34 | 30 | 650 |




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 6.58 | 6.65 | 6.63 | 6.45 | 6.48 | 6.61 | 6.53 | 6.53 | 6.57 | 6.62 | 6.50 | 6.55 | 6.54 |
| SD | 0.092 | 0.054 | 0.089 | 0.125 | 0.101 | 0.090 | 0.078 | 0.099 | 0.066 | 0.061 | 0.149 | 0.149 | 0.113 |
| CV | 1.4 | 0.8 | 1.3 | 1.9 | 1.6 | 1.4 | 1.2 | 1.5 | 1.0 | 0.9 | 2.3 | 2.3 | 1.7 |
| # Points | 34 | 33 | 37 | 30 | 35 | 34 | 34 | 34 | 32 | 31 | 34 | 30 | 645 |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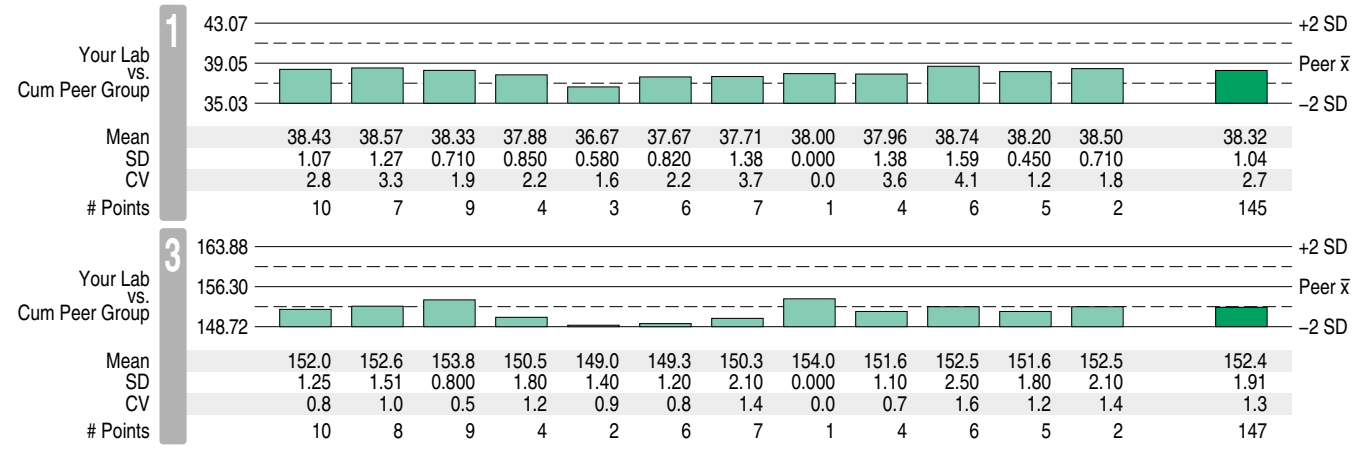
## GGT (Gamma Glutamyltransferase) G–glutamyl–carboxy–nitroanilide U/L

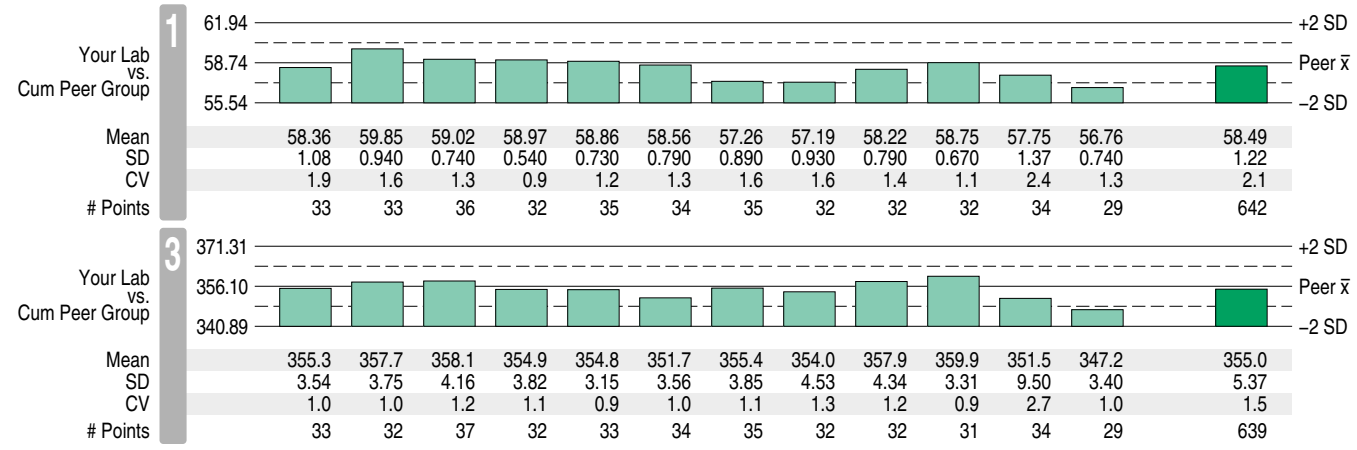
Siemens Dimension EXL • Dimension EXL–183197 • GGT REF DF45A : Enzyme Verifier Cal REF DC19 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 38.43 | 38.57 | 38.33 | 37.88 | 36.67 | 37.67 | 37.71 | 38.00 | 37.96 | 38.74 | 38.20 | 38.50 | 38.32 |
| SD | 1.07 | 1.27 | 0.710 | 0.850 | 0.580 | 0.820 | 1.38 | 0.000 | 1.38 | 1.59 | 0.450 | 0.710 | 1.04 |
| CV | 2.8 | 3.3 | 1.9 | 2.2 | 1.6 | 2.2 | 3.7 | 0.0 | 3.6 | 4.1 | 1.2 | 1.8 | 2.7 |
| # Points | 10 | 7 | 9 | 4 | 3 | 6 | 7 | 1 | 4 | 6 | 5 | 2 | 145 |
| Mean | 152.0 | 152.6 | 153.8 | 150.5 | 149.0 | 149.3 | 150.3 | 154.0 | 151.6 | 152.5 | 151.6 | 152.5 | 152.4 |
| SD | 1.25 | 1.51 | 0.800 | 1.80 | 1.40 | 1.20 | 2.10 | 0.000 | 1.10 | 2.50 | 1.80 | 2.10 | 1.91 |
| CV | 0.8 | 1.0 | 0.5 | 1.2 | 0.9 | 0.8 | 1.4 | 0.0 | 0.7 | 1.6 | 1.2 | 1.4 | 1.3 |
| # Points | 10 | 8 | 9 | 4 | 2 | 6 | 7 | 1 | 4 | 6 | 5 | 2 | 147 |

## Glucose Hexokinase mg/dL

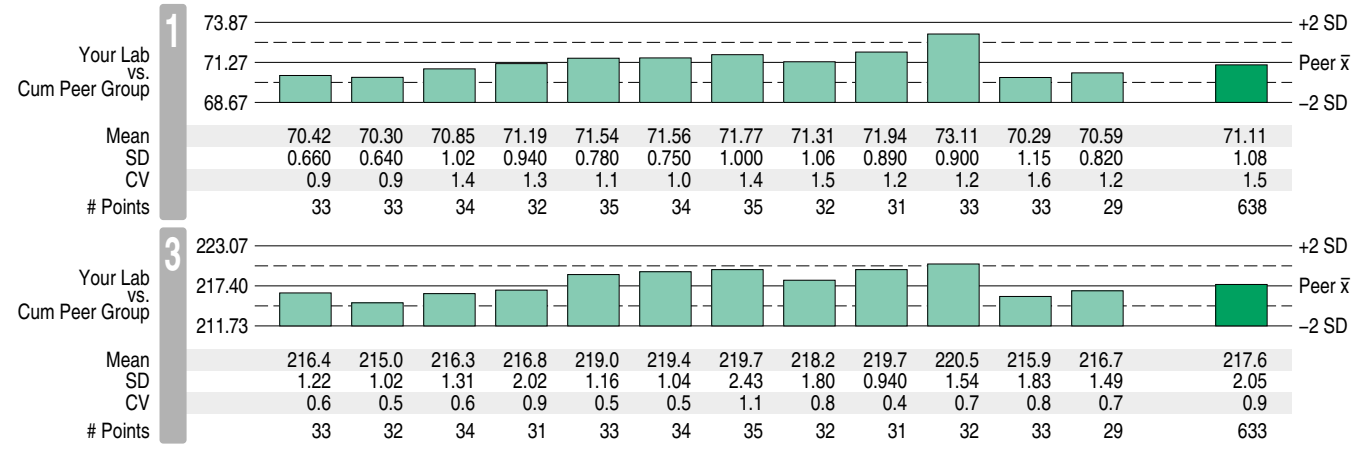
Siemens Dimension EXL • Dimension EXL–183197 • GLUC REF DF40 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 58.36 | 59.85 | 59.02 | 58.97 | 58.86 | 58.56 | 57.26 | 57.19 | 58.22 | 58.75 | 57.75 | 56.76 | 58.49 |
| SD | 1.08 | 0.940 | 0.740 | 0.540 | 0.730 | 0.790 | 0.890 | 0.930 | 0.790 | 0.670 | 1.37 | 0.740 | 1.22 |
| CV | 1.9 | 1.6 | 1.3 | 0.9 | 1.2 | 1.3 | 1.6 | 1.6 | 1.4 | 1.1 | 2.4 | 1.3 | 2.1 |
| # Points | 33 | 33 | 36 | 32 | 35 | 34 | 35 | 32 | 32 | 32 | 34 | 29 | 642 |
| Mean | 355.3 | 357.7 | 358.1 | 354.9 | 354.8 | 351.7 | 355.4 | 354.0 | 357.9 | 359.9 | 351.5 | 347.2 | 355.0 |
| SD | 3.54 | 3.75 | 4.16 | 3.82 | 3.15 | 3.56 | 3.85 | 4.53 | 4.34 | 3.31 | 9.50 | 3.40 | 5.37 |
| CV | 1.0 | 1.0 | 1.2 | 1.1 | 0.9 | 1.0 | 1.1 | 1.3 | 1.2 | 0.9 | 2.7 | 1.0 | 1.5 |
| # Points | 33 | 32 | 37 | 32 | 33 | 34 | 35 | 32 | 32 | 31 | 34 | 29 | 639 |

## Iron Ferene Âµg/dL

Siemens Dimension EXL • Dimension EXL–183197 • IRON REF DF85 : IRON Cal REF DC85 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 70.42 | 70.30 | 70.85 | 71.19 | 71.54 | 71.56 | 71.77 | 71.31 | 71.94 | 73.11 | 70.29 | 70.59 | 71.11 |
| SD | 0.660 | 0.640 | 1.02 | 0.940 | 0.780 | 0.750 | 1.000 | 1.06 | 0.890 | 0.900 | 1.15 | 0.820 | 1.08 |
| CV | 0.9 | 0.9 | 1.4 | 1.3 | 1.1 | 1.0 | 1.4 | 1.5 | 1.2 | 1.2 | 1.6 | 1.2 | 1.5 |
| # Points | 33 | 33 | 34 | 32 | 35 | 34 | 35 | 32 | 31 | 33 | 33 | 29 | 638 |
| Mean | 216.4 | 215.0 | 216.3 | 216.8 | 219.0 | 219.4 | 219.7 | 218.2 | 219.7 | 220.5 | 215.9 | 216.7 | 217.6 |
| SD | 1.22 | 1.02 | 1.31 | 2.02 | 1.16 | 1.04 | 2.43 | 1.80 | 0.940 | 1.54 | 1.83 | 1.49 | 2.05 |
| CV | 0.6 | 0.5 | 0.6 | 0.9 | 0.5 | 0.5 | 1.1 | 0.8 | 0.4 | 0.7 | 0.8 | 0.7 | 0.9 |
| # Points | 33 | 32 | 34 | 31 | 33 | 34 | 35 | 32 | 31 | 32 | 33 | 29 | 633 |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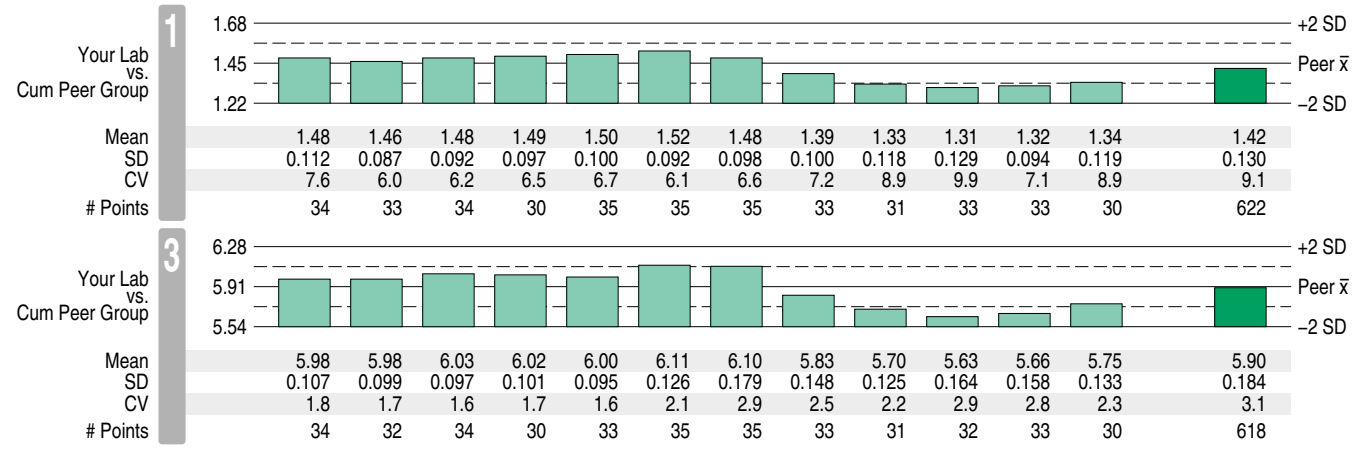
## Lactic Acid Enzymatic mmol/L

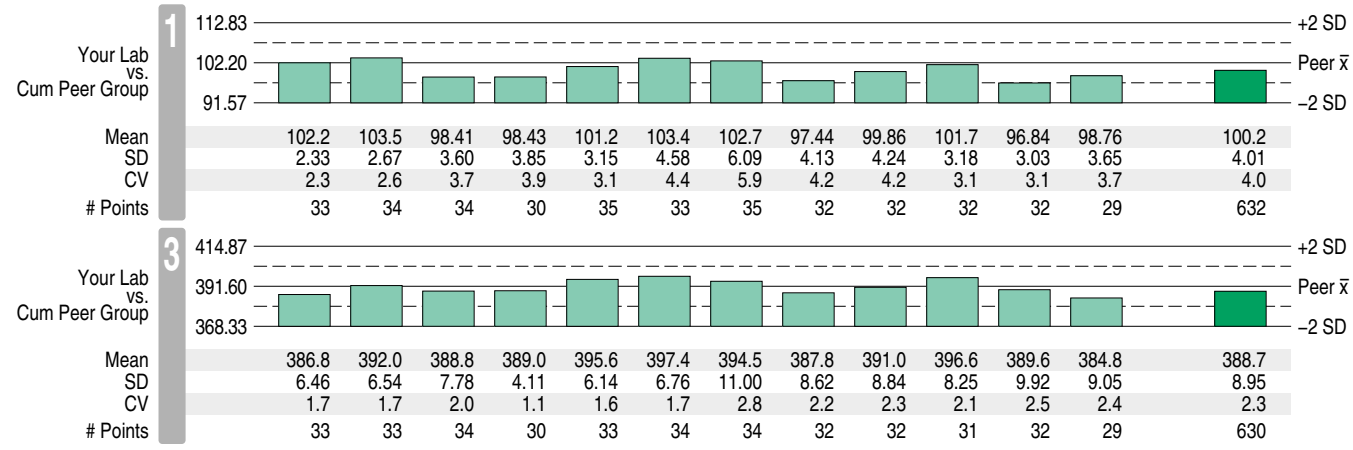
Siemens Dimension EXL • Dimension EXL–183197 • LA REF DF16 : CHEM I Cal REF DC18B/C – Unspecified*** – Unspecified***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 1.48 | 1.46 | 1.48 | 1.49 | 1.50 | 1.52 | 1.48 | 1.39 | 1.33 | 1.31 | 1.32 | 1.34 | 1.42 |
| SD | 0.112 | 0.087 | 0.092 | 0.097 | 0.100 | 0.092 | 0.098 | 0.100 | 0.118 | 0.129 | 0.094 | 0.119 | 0.130 |
| CV | 7.6 | 6.0 | 6.2 | 6.5 | 6.7 | 6.1 | 6.6 | 7.2 | 8.9 | 9.9 | 7.1 | 8.9 | 9.1 |
| # Points | 34 | 33 | 34 | 30 | 35 | 35 | 35 | 33 | 31 | 33 | 33 | 30 | 622 |
| 3 Mean | 5.98 | 5.98 | 6.03 | 6.02 | 6.00 | 6.11 | 6.10 | 5.83 | 5.70 | 5.63 | 5.66 | 5.75 | 5.90 |
| SD | 0.107 | 0.099 | 0.097 | 0.101 | 0.095 | 0.126 | 0.179 | 0.148 | 0.125 | 0.164 | 0.158 | 0.133 | 0.184 |
| CV | 1.8 | 1.7 | 1.6 | 1.7 | 1.6 | 2.1 | 2.9 | 2.5 | 2.2 | 2.9 | 2.8 | 2.3 | 3.1 |
| # Points | 34 | 32 | 34 | 30 | 33 | 35 | 35 | 33 | 31 | 32 | 33 | 30 | 618 |

## LD (Lactate Dehydrogenase) L to P – IFCC Ref. Proc., Calibrated U/L

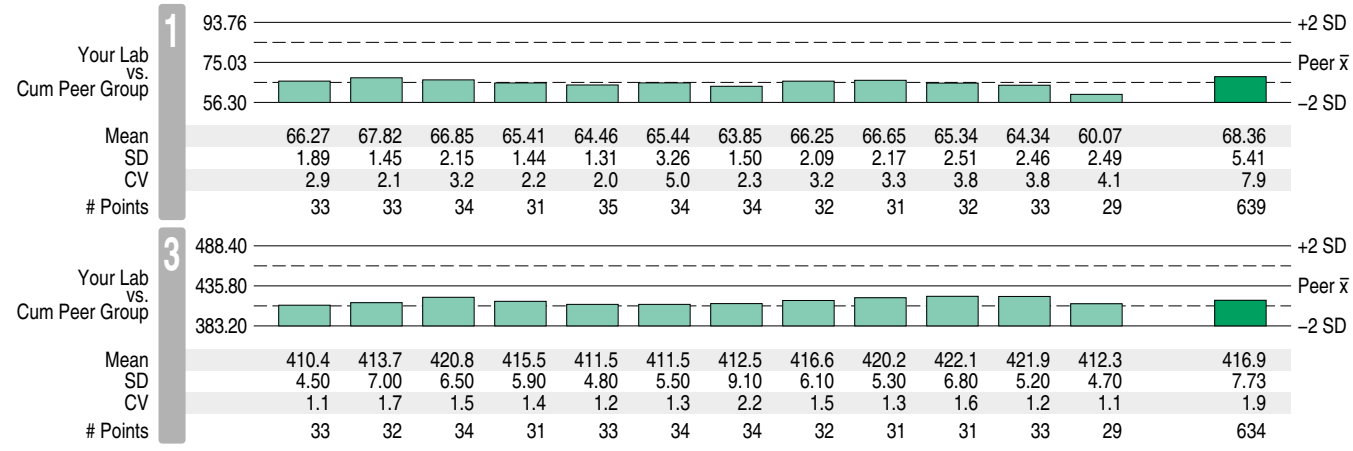
Siemens Dimension EXL • Dimension EXL–183197 • LDI REF DF54 : Enzyme Cal REF DC35 – Unspecified*** – Unspecified***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 102.2 | 103.5 | 98.41 | 98.43 | 101.2 | 103.4 | 102.7 | 97.44 | 99.86 | 101.7 | 96.84 | 98.76 | 100.2 |
| SD | 2.33 | 2.67 | 3.60 | 3.85 | 3.15 | 4.58 | 6.09 | 4.13 | 4.24 | 3.18 | 3.03 | 3.65 | 4.01 |
| CV | 2.3 | 2.6 | 3.7 | 3.9 | 3.1 | 4.4 | 5.9 | 4.2 | 4.2 | 3.1 | 3.1 | 3.7 | 4.0 |
| # Points | 33 | 34 | 34 | 30 | 35 | 33 | 35 | 32 | 32 | 32 | 32 | 29 | 632 |
| 3 Mean | 386.8 | 392.0 | 388.8 | 389.0 | 395.6 | 397.4 | 394.5 | 387.8 | 391.0 | 396.6 | 389.6 | 384.8 | 388.7 |
| SD | 6.46 | 6.54 | 7.78 | 4.11 | 6.14 | 6.76 | 11.00 | 8.62 | 8.84 | 8.25 | 9.92 | 9.05 | 8.95 |
| CV | 1.7 | 1.7 | 2.0 | 1.1 | 1.6 | 1.7 | 2.8 | 2.2 | 2.3 | 2.1 | 2.5 | 2.4 | 2.3 |
| # Points | 33 | 33 | 34 | 30 | 33 | 34 | 34 | 32 | 32 | 31 | 32 | 29 | 630 |

## Lipase Colorimetric (Siemens calibrated) U/L

Siemens Dimension EXL • Dimension EXL–183197 • LIPL REF DF56 : LIPL Cal REF DC56 – Unspecified*** – Unspecified***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 66.27 | 67.82 | 66.85 | 65.41 | 64.46 | 65.44 | 63.85 | 66.25 | 66.65 | 65.34 | 64.34 | 60.07 | 68.36 |
| SD | 1.89 | 1.45 | 2.15 | 1.44 | 1.31 | 3.26 | 1.50 | 2.09 | 2.17 | 2.51 | 2.46 | 2.49 | 5.41 |
| CV | 2.9 | 2.1 | 3.2 | 2.2 | 2.0 | 5.0 | 2.3 | 3.2 | 3.3 | 3.8 | 3.8 | 4.1 | 7.9 |
| # Points | 33 | 33 | 34 | 31 | 35 | 34 | 34 | 32 | 31 | 32 | 33 | 29 | 639 |
| 3 Mean | 410.4 | 413.7 | 420.8 | 415.5 | 411.5 | 411.5 | 412.5 | 416.6 | 420.2 | 422.1 | 421.9 | 412.3 | 416.9 |
| SD | 4.50 | 7.00 | 6.50 | 5.90 | 4.80 | 5.50 | 9.10 | 6.10 | 5.30 | 6.80 | 5.20 | 4.70 | 7.73 |
| CV | 1.1 | 1.7 | 1.5 | 1.4 | 1.2 | 1.3 | 2.2 | 1.5 | 1.3 | 1.6 | 1.2 | 1.1 | 1.9 |
| # Points | 33 | 32 | 34 | 31 | 33 | 34 | 34 | 32 | 31 | 31 | 33 | 29 | 634 |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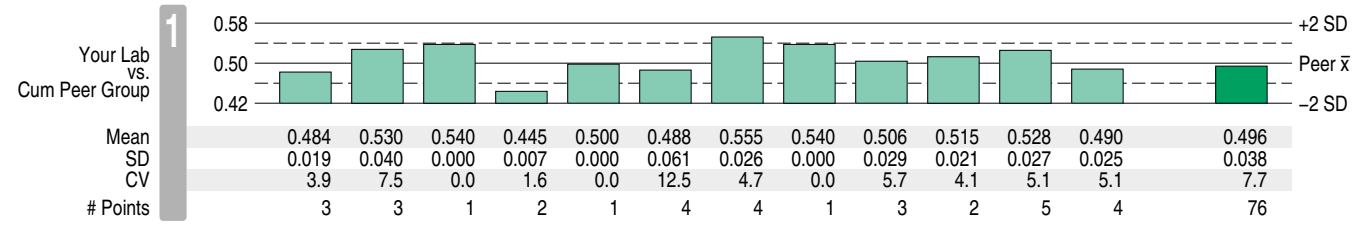
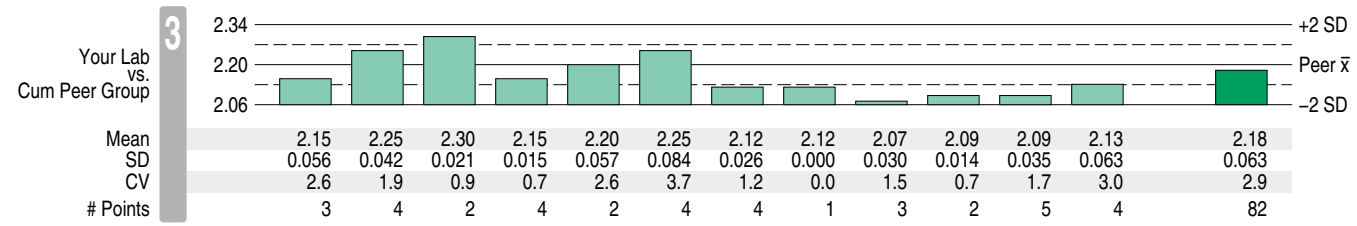
## Lithium Colorimetric mmol/L

Siemens Dimension EXL • Dimension EXL–183197 • LI REF DF132 : Drug Cal REF DC228B – Unspecified *** – Unspecified ***



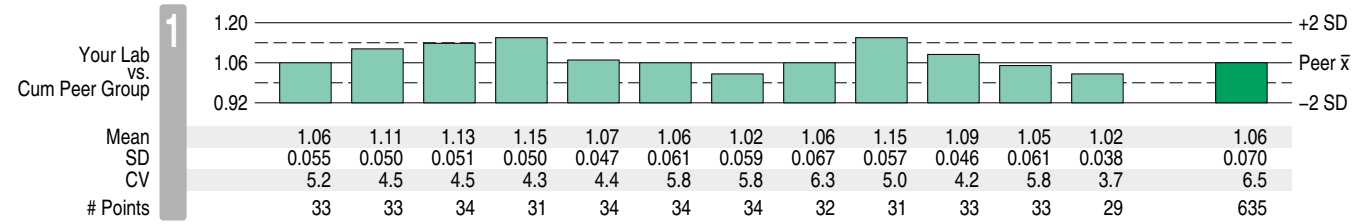

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 0.484 | 0.530 | 0.540 | 0.445 | 0.500 | 0.488 | 0.555 | 0.540 | 0.506 | 0.515 | 0.528 | 0.490 | 0.496 |
| SD | 0.019 | 0.040 | 0.000 | 0.007 | 0.000 | 0.061 | 0.026 | 0.000 | 0.029 | 0.021 | 0.027 | 0.025 | 0.038 |
| CV | 3.9 | 7.5 | 0.0 | 1.6 | 0.0 | 12.5 | 4.7 | 0.0 | 5.7 | 4.1 | 5.1 | 5.1 | 7.7 |
| # Points | 3 | 3 | 1 | 2 | 1 | 4 | 4 | 1 | 3 | 2 | 5 | 4 | 76 |



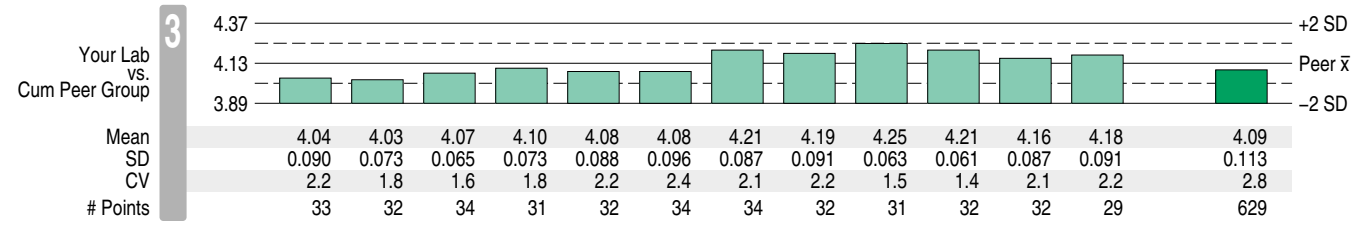

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 2.15 | 2.25 | 2.30 | 2.15 | 2.20 | 2.25 | 2.12 | 2.12 | 2.07 | 2.09 | 2.09 | 2.13 | 2.18 |
| SD | 0.056 | 0.042 | 0.021 | 0.015 | 0.057 | 0.084 | 0.026 | 0.000 | 0.030 | 0.014 | 0.035 | 0.063 | 0.063 |
| CV | 2.6 | 1.9 | 0.9 | 0.7 | 2.6 | 3.7 | 1.2 | 0.0 | 1.5 | 0.7 | 1.7 | 3.0 | 2.9 |
| # Points | 3 | 4 | 2 | 4 | 2 | 4 | 4 | 1 | 3 | 2 | 5 | 4 | 82 |

## Magnesium Methylthymol blue mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • MG REF DF57 : CHEM II Cal REF DC20 – Unspecified *** – Unspecified ***



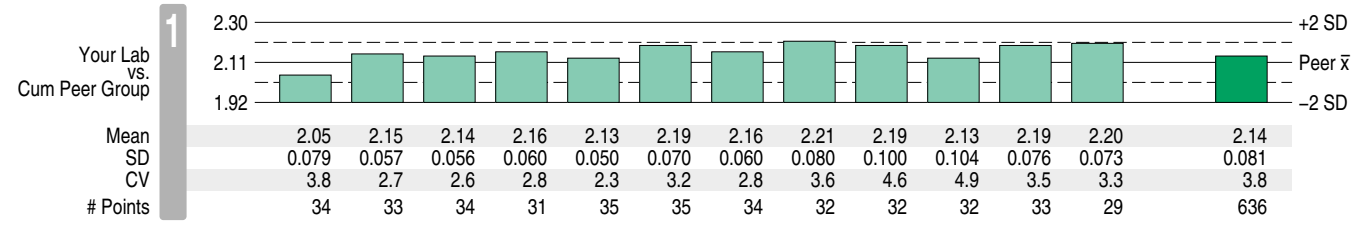

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 1.06 | 1.11 | 1.13 | 1.15 | 1.07 | 1.06 | 1.02 | 1.06 | 1.15 | 1.09 | 1.05 | 1.02 | 1.06 |
| SD | 0.055 | 0.050 | 0.051 | 0.050 | 0.047 | 0.061 | 0.059 | 0.067 | 0.057 | 0.046 | 0.061 | 0.038 | 0.070 |
| CV | 5.2 | 4.5 | 4.5 | 4.3 | 4.4 | 5.8 | 5.8 | 6.3 | 5.0 | 4.2 | 5.8 | 3.7 | 6.5 |
| # Points | 33 | 33 | 34 | 31 | 34 | 34 | 34 | 32 | 31 | 33 | 33 | 29 | 635 |



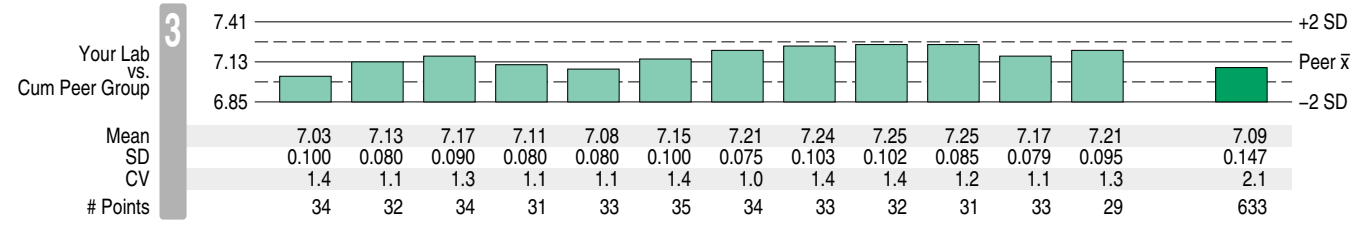

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 4.04 | 4.03 | 4.07 | 4.10 | 4.08 | 4.08 | 4.21 | 4.19 | 4.25 | 4.21 | 4.16 | 4.18 | 4.09 |
| SD | 0.090 | 0.073 | 0.065 | 0.073 | 0.088 | 0.096 | 0.087 | 0.091 | 0.063 | 0.061 | 0.087 | 0.091 | 0.113 |
| CV | 2.2 | 1.8 | 1.6 | 1.8 | 2.2 | 2.4 | 2.1 | 2.2 | 1.5 | 1.4 | 2.1 | 2.2 | 2.8 |
| # Points | 33 | 32 | 34 | 31 | 32 | 34 | 34 | 32 | 31 | 32 | 32 | 29 | 629 |

## Phosphorus Phosphomolybdate method mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • PHOS REF DF61A : CHEM II Cal REF DC20 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 2.05 | 2.15 | 2.14 | 2.16 | 2.13 | 2.19 | 2.16 | 2.21 | 2.19 | 2.13 | 2.19 | 2.20 | 2.14 |
| SD | 0.079 | 0.057 | 0.056 | 0.060 | 0.050 | 0.070 | 0.060 | 0.080 | 0.100 | 0.104 | 0.076 | 0.073 | 0.081 |
| CV | 3.8 | 2.7 | 2.6 | 2.8 | 2.3 | 3.2 | 2.8 | 3.6 | 4.6 | 4.9 | 3.5 | 3.3 | 3.8 |
| # Points | 34 | 33 | 34 | 31 | 35 | 35 | 34 | 32 | 32 | 32 | 33 | 29 | 636 |




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 7.03 | 7.13 | 7.17 | 7.11 | 7.08 | 7.15 | 7.21 | 7.24 | 7.25 | 7.25 | 7.17 | 7.21 | 7.09 |
| SD | 0.100 | 0.080 | 0.090 | 0.080 | 0.080 | 0.100 | 0.075 | 0.103 | 0.102 | 0.085 | 0.079 | 0.095 | 0.147 |
| CV | 1.4 | 1.1 | 1.3 | 1.1 | 1.1 | 1.4 | 1.0 | 1.4 | 1.4 | 1.2 | 1.1 | 1.3 | 2.1 |
| # Points | 34 | 32 | 34 | 31 | 33 | 35 | 34 | 33 | 32 | 31 | 33 | 29 | 633 |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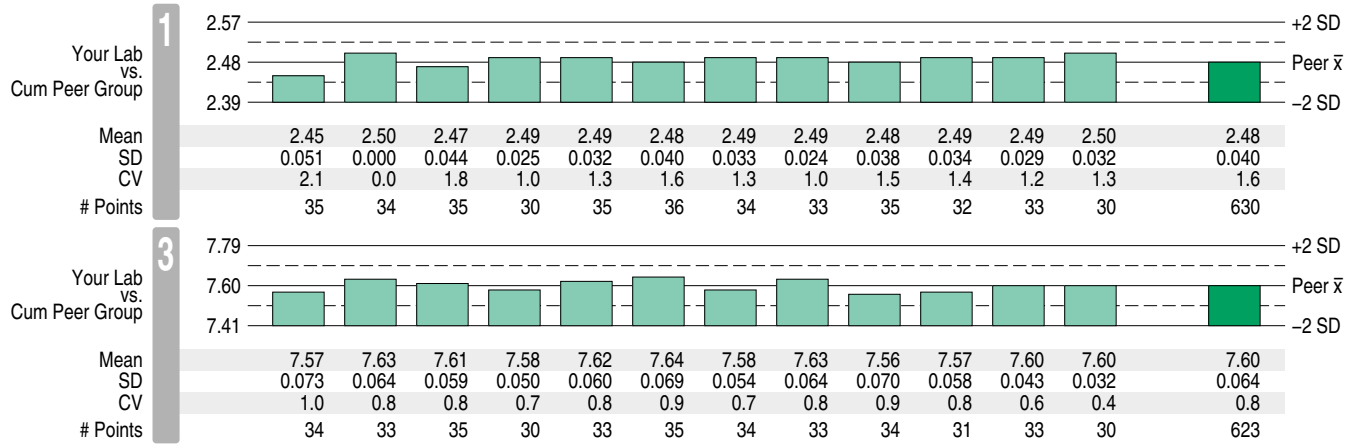
## Potassium ISE indirect mEq/L

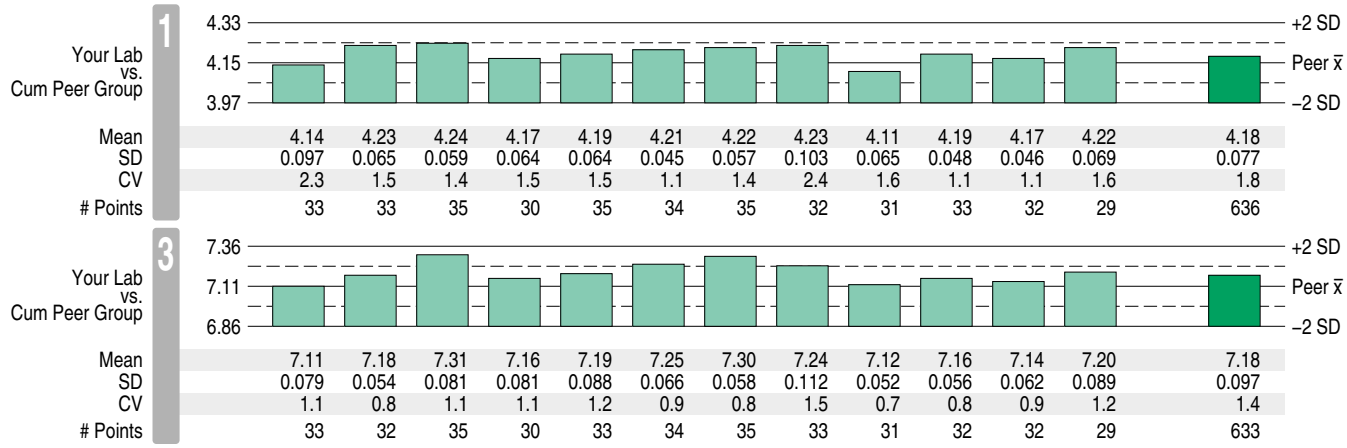
Siemens Dimension EXL • Dimension EXL–183197 • QuikLYTE REF S600 : Siemens No Cal – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 2.45 | 2.50 | 2.47 | 2.49 | 2.49 | 2.48 | 2.49 | 2.49 | 2.48 | 2.49 | 2.49 | 2.50 | 2.48 |
| SD | 0.051 | 0.000 | 0.044 | 0.025 | 0.032 | 0.040 | 0.033 | 0.024 | 0.038 | 0.034 | 0.029 | 0.032 | 0.040 |
| CV | 2.1 | 0.0 | 1.8 | 1.0 | 1.3 | 1.6 | 1.3 | 1.0 | 1.5 | 1.4 | 1.2 | 1.3 | 1.6 |
| # Points | 35 | 34 | 35 | 30 | 35 | 36 | 34 | 33 | 35 | 32 | 33 | 30 | 630 |
| 3 Mean | 7.57 | 7.63 | 7.61 | 7.58 | 7.62 | 7.64 | 7.58 | 7.63 | 7.56 | 7.57 | 7.60 | 7.60 | 7.60 |
| SD | 0.073 | 0.064 | 0.059 | 0.050 | 0.060 | 0.069 | 0.054 | 0.064 | 0.070 | 0.058 | 0.043 | 0.032 | 0.064 |
| CV | 1.0 | 0.8 | 0.8 | 0.7 | 0.8 | 0.9 | 0.7 | 0.8 | 0.9 | 0.8 | 0.6 | 0.4 | 0.8 |
| # Points | 34 | 33 | 35 | 30 | 33 | 35 | 34 | 33 | 34 | 31 | 33 | 30 | 623 |

## Protein, Total, Serum Biuret method g/dL

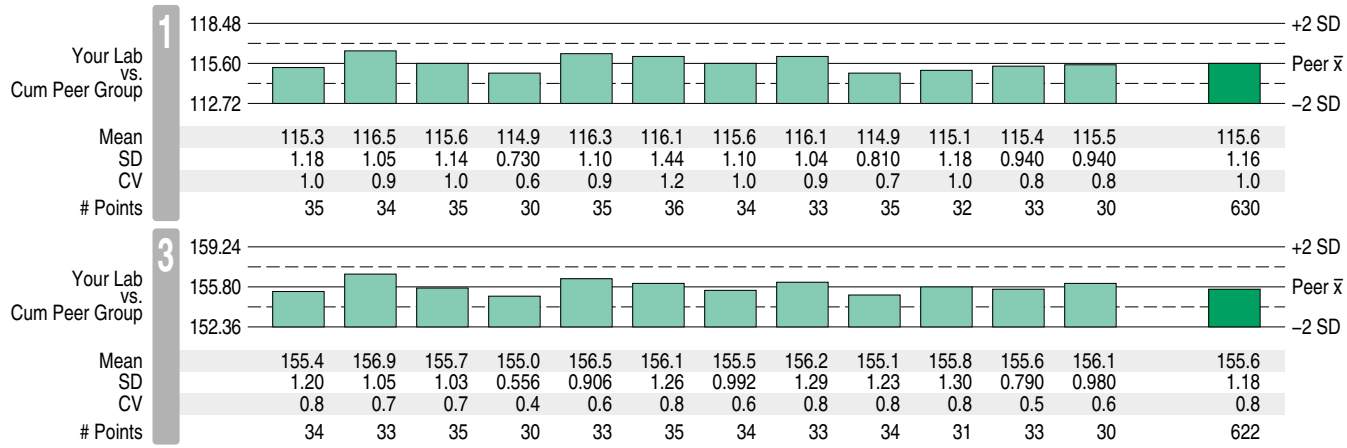
Siemens Dimension EXL • Dimension EXL–183197 • TP REF DF73 : Total Protein/Albumin Cal REF DC31 – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 4.14 | 4.23 | 4.24 | 4.17 | 4.19 | 4.21 | 4.22 | 4.23 | 4.11 | 4.19 | 4.17 | 4.22 | 4.18 |
| SD | 0.097 | 0.065 | 0.059 | 0.064 | 0.064 | 0.045 | 0.057 | 0.103 | 0.065 | 0.048 | 0.046 | 0.069 | 0.077 |
| CV | 2.3 | 1.5 | 1.4 | 1.5 | 1.5 | 1.1 | 1.4 | 2.4 | 1.6 | 1.1 | 1.1 | 1.6 | 1.8 |
| # Points | 33 | 33 | 35 | 30 | 35 | 34 | 35 | 32 | 31 | 33 | 32 | 29 | 636 |
| 3 Mean | 7.11 | 7.18 | 7.31 | 7.16 | 7.19 | 7.25 | 7.30 | 7.24 | 7.12 | 7.16 | 7.14 | 7.20 | 7.18 |
| SD | 0.079 | 0.054 | 0.081 | 0.081 | 0.088 | 0.066 | 0.058 | 0.112 | 0.052 | 0.056 | 0.062 | 0.089 | 0.097 |
| CV | 1.1 | 0.8 | 1.1 | 1.1 | 1.2 | 0.9 | 0.8 | 1.5 | 0.7 | 0.8 | 0.9 | 1.2 | 1.4 |
| # Points | 33 | 32 | 35 | 30 | 33 | 34 | 35 | 33 | 31 | 32 | 32 | 29 | 633 |

## Sodium ISE indirect mEq/L

Siemens Dimension EXL • Dimension EXL–183197 • QuikLYTE REF S600 : Siemens No Cal – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 115.3 | 116.5 | 115.6 | 114.9 | 116.3 | 116.1 | 115.6 | 116.1 | 114.9 | 115.1 | 115.4 | 115.5 | 115.6 |
| SD | 1.18 | 1.05 | 1.14 | 0.730 | 1.10 | 1.44 | 1.10 | 1.04 | 0.810 | 1.18 | 0.940 | 0.940 | 1.16 |
| CV | 1.0 | 0.9 | 1.0 | 0.6 | 0.9 | 1.2 | 1.0 | 0.9 | 0.7 | 1.0 | 0.8 | 0.8 | 1.0 |
| # Points | 35 | 34 | 35 | 30 | 35 | 36 | 34 | 33 | 35 | 32 | 33 | 30 | 630 |
| 3 Mean | 155.4 | 156.9 | 155.7 | 155.0 | 156.5 | 156.1 | 155.5 | 156.2 | 155.1 | 155.8 | 155.6 | 156.1 | 155.6 |
| SD | 1.20 | 1.05 | 1.03 | 0.556 | 0.906 | 1.26 | 0.992 | 1.29 | 1.23 | 1.30 | 0.790 | 0.980 | 1.18 |
| CV | 0.8 | 0.7 | 0.7 | 0.4 | 0.6 | 0.8 | 0.6 | 0.8 | 0.8 | 0.8 | 0.5 | 0.6 | 0.8 |
| # Points | 34 | 33 | 35 | 30 | 33 | 35 | 34 | 33 | 34 | 31 | 33 | 30 | 622 |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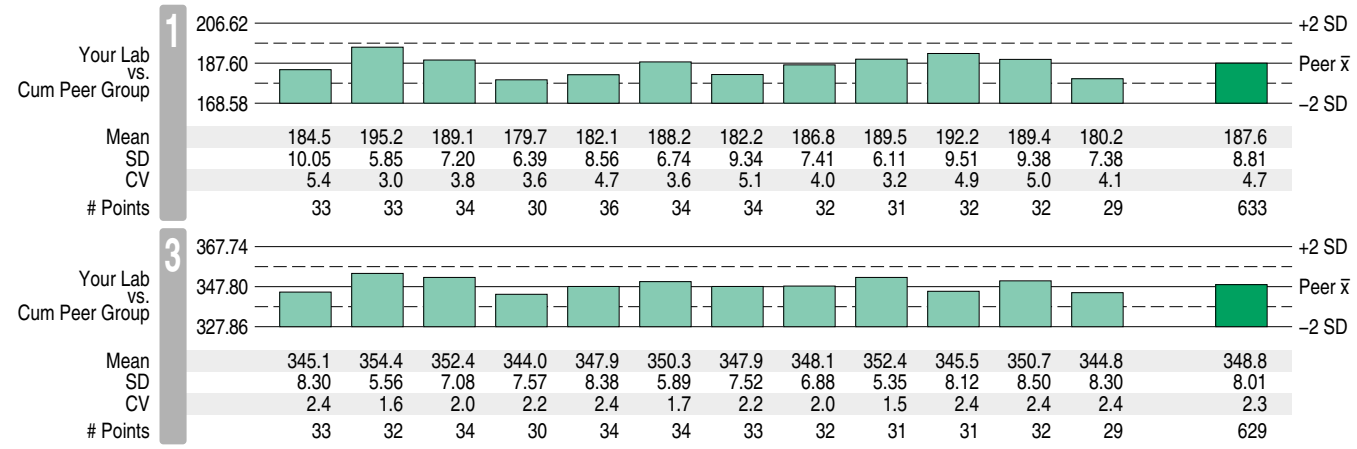
## TIBC (Total Iron Binding Capacity) Ferene Âµg/dL

Siemens Dimension EXL • Dimension EXL–183197 • IBCT REF DF84 : IBCT Cal REF DC84 – Unspecified *** – Unspecified ***

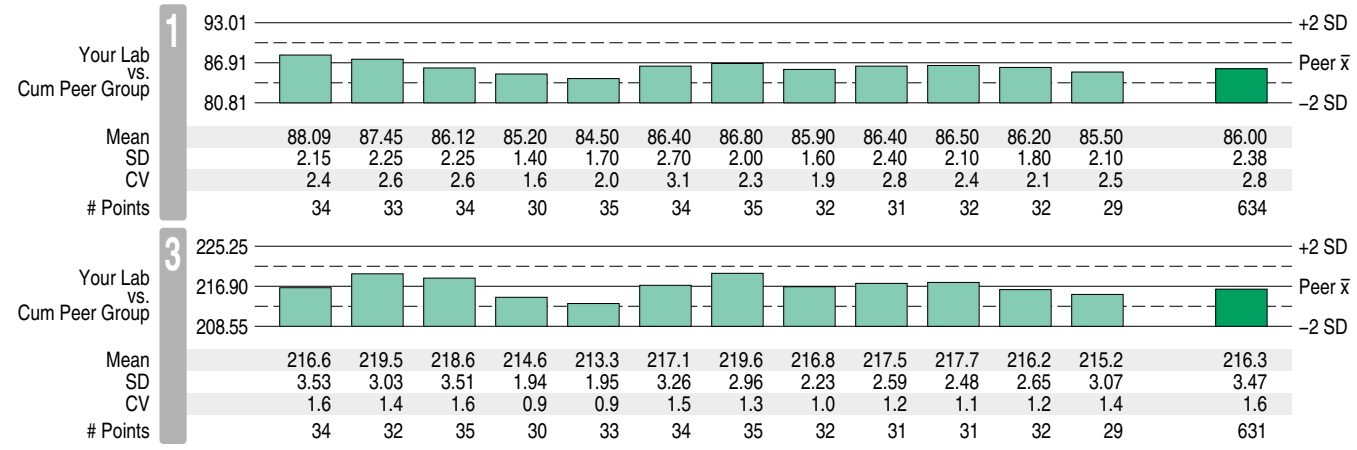
| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 184.5 | 195.2 | 189.1 | 179.7 | 182.1 | 188.2 | 182.2 | 186.8 | 189.5 | 192.2 | 189.4 | 180.2 | 187.6 |
| SD | 10.05 | 5.85 | 7.20 | 6.39 | 8.56 | 6.74 | 9.34 | 7.41 | 6.11 | 9.51 | 9.38 | 7.38 | 8.81 |
| CV | 5.4 | 3.0 | 3.8 | 3.6 | 4.7 | 3.6 | 5.1 | 4.0 | 3.2 | 4.9 | 5.0 | 4.1 | 4.7 |
| # Points | 33 | 33 | 34 | 30 | 36 | 34 | 34 | 32 | 31 | 32 | 32 | 29 | 633 |
| 3 Mean | 345.1 | 354.4 | 352.4 | 344.0 | 347.9 | 350.3 | 347.9 | 348.1 | 352.4 | 345.5 | 350.7 | 344.8 | 348.8 |
| SD | 8.30 | 5.56 | 7.08 | 7.57 | 8.38 | 5.89 | 7.52 | 6.88 | 5.35 | 8.12 | 8.50 | 8.30 | 8.01 |
| CV | 2.4 | 1.6 | 2.0 | 2.2 | 2.4 | 1.7 | 2.2 | 2.0 | 1.5 | 2.4 | 2.4 | 2.4 | 2.3 |
| # Points | 33 | 32 | 34 | 30 | 34 | 34 | 33 | 32 | 31 | 31 | 32 | 29 | 629 |




## Triglycerides Enzymatic, end point mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • TGL REF DF69A : CHEM II Cal REF DC20 – Unspecified *** – Unspecified ***

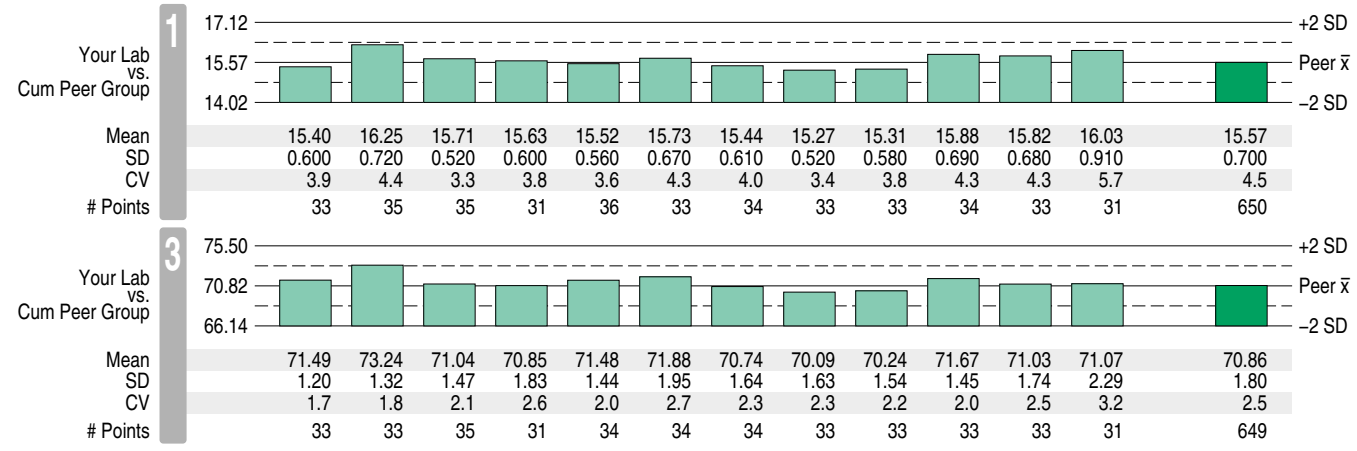
| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 88.09 | 87.45 | 86.12 | 85.20 | 84.50 | 86.40 | 86.80 | 85.90 | 86.40 | 86.50 | 86.20 | 85.50 | 86.00 |
| SD | 2.15 | 2.25 | 2.25 | 1.40 | 1.70 | 2.70 | 2.00 | 1.60 | 2.40 | 2.10 | 1.80 | 2.10 | 2.38 |
| CV | 2.4 | 2.6 | 2.6 | 1.6 | 2.0 | 3.1 | 2.3 | 1.9 | 2.8 | 2.4 | 2.1 | 2.5 | 2.8 |
| # Points | 34 | 33 | 34 | 30 | 35 | 34 | 35 | 32 | 31 | 32 | 32 | 29 | 634 |
| 3 Mean | 216.6 | 219.5 | 218.6 | 214.6 | 213.3 | 217.1 | 219.6 | 216.8 | 217.5 | 217.7 | 216.2 | 215.2 | 216.3 |
| SD | 3.53 | 3.03 | 3.51 | 1.94 | 1.95 | 3.26 | 2.96 | 2.23 | 2.59 | 2.48 | 2.65 | 3.07 | 3.47 |
| CV | 1.6 | 1.4 | 1.6 | 0.9 | 0.9 | 1.5 | 1.3 | 1.0 | 1.2 | 1.1 | 1.2 | 1.4 | 1.6 |
| # Points | 34 | 32 | 35 | 30 | 33 | 34 | 35 | 32 | 31 | 31 | 32 | 29 | 631 |




## Urea Nitrogen Urease, UV mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • BUN REF DF21 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 15.40 | 16.25 | 15.71 | 15.63 | 15.52 | 15.73 | 15.44 | 15.27 | 15.31 | 15.88 | 15.82 | 16.03 | 15.57 |
| SD | 0.600 | 0.720 | 0.520 | 0.600 | 0.560 | 0.670 | 0.610 | 0.520 | 0.580 | 0.690 | 0.680 | 0.910 | 0.700 |
| CV | 3.9 | 4.4 | 3.3 | 3.8 | 3.6 | 4.3 | 4.0 | 3.4 | 3.8 | 4.3 | 4.3 | 5.7 | 4.5 |
| # Points | 33 | 35 | 35 | 31 | 36 | 33 | 34 | 33 | 33 | 34 | 33 | 31 | 650 |
| 3 Mean | 71.49 | 73.24 | 71.04 | 70.85 | 71.48 | 71.88 | 70.74 | 70.09 | 70.24 | 71.67 | 71.03 | 71.07 | 70.86 |
| SD | 1.20 | 1.32 | 1.47 | 1.83 | 1.44 | 1.95 | 1.64 | 1.63 | 1.54 | 1.45 | 1.74 | 2.29 | 1.80 |
| CV | 1.7 | 1.8 | 2.1 | 2.6 | 2.0 | 2.7 | 2.3 | 2.3 | 2.2 | 2.0 | 2.5 | 3.2 | 2.5 |
| # Points | 33 | 33 | 35 | 31 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 31 | 649 |





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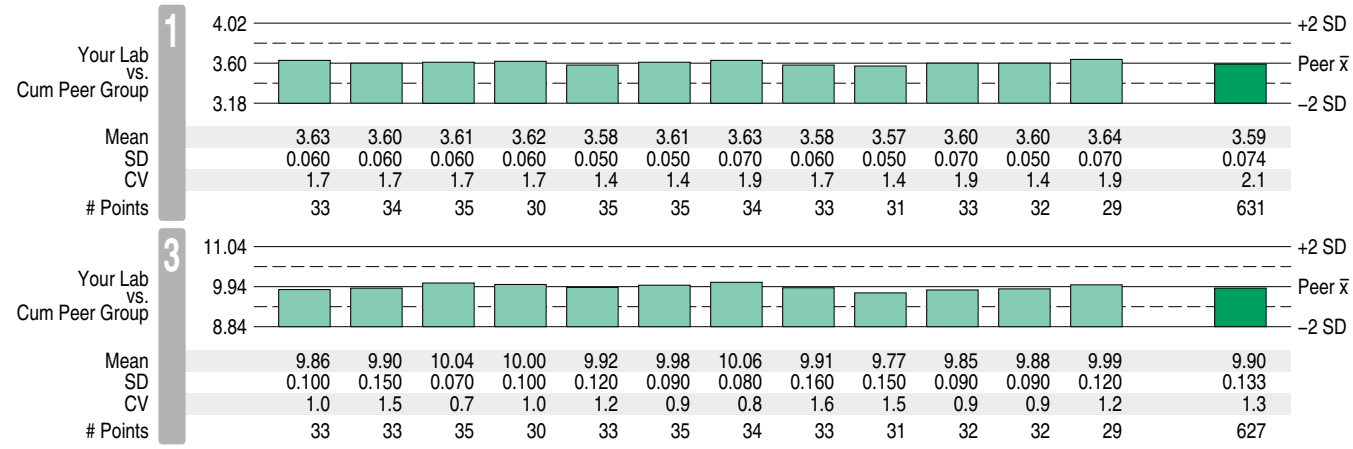
**Uric Acid** **Uricase, UV** mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • URCA REF DF77 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***




| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 3.63 | 3.60 | 3.61 | 3.62 | 3.58 | 3.61 | 3.63 | 3.58 | 3.57 | 3.60 | 3.60 | 3.64 | 3.59 |
| SD | 0.060 | 0.060 | 0.060 | 0.060 | 0.050 | 0.050 | 0.070 | 0.060 | 0.050 | 0.070 | 0.050 | 0.070 | 0.074 |
| CV | 1.7 | 1.7 | 1.7 | 1.7 | 1.4 | 1.4 | 1.9 | 1.7 | 1.4 | 1.9 | 1.4 | 1.9 | 2.1 |
| # Points | 33 | 34 | 35 | 30 | 35 | 35 | 34 | 33 | 31 | 33 | 32 | 29 | 631 |

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 9.86 | 9.90 | 10.04 | 10.00 | 9.92 | 9.98 | 10.06 | 9.91 | 9.77 | 9.85 | 9.88 | 9.99 | 9.90 |
| SD | 0.100 | 0.150 | 0.070 | 0.100 | 0.120 | 0.090 | 0.080 | 0.160 | 0.150 | 0.090 | 0.090 | 0.120 | 0.133 |
| CV | 1.0 | 1.5 | 0.7 | 1.0 | 1.2 | 0.9 | 0.8 | 1.6 | 1.5 | 0.9 | 0.9 | 1.2 | 1.3 |
| # Points | 33 | 33 | 35 | 30 | 33 | 35 | 34 | 33 | 31 | 32 | 32 | 29 | 627 |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**February 2022 • 100297**

# Monthly Evaluation Report

Pediatric • 44410 • 31–Jul–2024

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

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**February 2022 • 100297**

# Laboratory Comparison Report

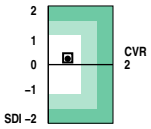
Pediatric • 44410 • 31–Jul–2024

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

**Bilirubin, Total/TBIL** **Jendrassik Grof** mg/dL

**Siemens Dimension EXL • Dimension EXL–183197 • TBI REF DF167 : TBI/DBI Cal REF DC167 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 2 | 0.6 | 0.9 |
| □Method CVR | | 0.6 | 0.9 |
| • Peer SDI | | 0.20 | 0.77 |
| □Method SDI | | 0.23 | 0.91 |




| | Level | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Jendrassik Grof | |
| Mean | 2 | 16.84 | 17.19 | 16.75 | 16.83 | 16.74 | 16.78 |
| SD | | 0.270 | 0.419 | 0.453 | 0.463 | 0.435 | 0.449 |
| CV | | 1.6 | 2.4 | 2.7 | 2.8 | 2.6 | 2.7 |
| # Points | | 25 | 56 | 326 | 481 | 1113 | 1499 |
| # Labs | | | | 20 | 20 | 34 | 34 |

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**February 2022 • 100297**

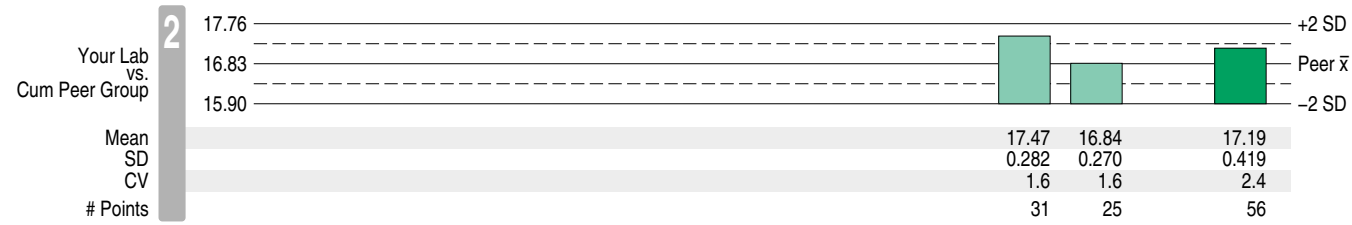
# Laboratory Histogram

Pediatric • Lot 44410 • Exp 31–Jul–2024

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

**Bilirubin, Total/TBIL** **Jendrassik Grof** mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • TBI REF DF167 : TBI/DBI Cal REF DC167 – Unspecified *** – Unspecified ***




| | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | | | | | | | | | | | 17.47 | 16.84 | 17.19 |
| SD | | | | | | | | | | | 0.282 | 0.270 | 0.419 |
| CV | | | | | | | | | | | 1.6 | 1.6 | 2.4 |
| # Points | | | | | | | | | | | 31 | 25 | 56 |

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# Monthly Evaluation Report

Spinal Fluid • 56470 • 30–Sep–2022

**February 2022 • 100297**

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

There is no data reported for the selected month.

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

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**February 2022 • 100297**

# Laboratory Comparison Report

Spinal Fluid • 56470 • 30–Sep–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Glucose — Hexokinase mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • GLUC REF DF40 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | | Level | Mon | Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | Hexokinase | |
| Peer CVR | 1 | | 0.4 | Mean | 1 | –– | 62.11 | 61.41 | 61.61 | 62.45 | 62.38 |
| Method CVR | 1 | | 0.3 | SD | 1 | –– | 0.601 | 1.51 | 1.55 | 1.72 | 1.79 |
| Peer SDI | 1 | | 0.32 | CV | 1 | –– | 1.0 | 2.5 | 2.5 | 2.8 | 2.9 |
| Method SDI | 1 | | –0.15 | # Points | 1 | –– | 9 | 2817 | 14796 | 45673 | 282K |
| | | | | # Labs | 1 | | | 124 | 169 | 1181 | 1468 |
| Peer CVR | 2 | | 0.4 | Mean | 2 | –– | 29.56 | 28.56 | 28.94 | 29.85 | 29.78 |
| Method CVR | 2 | | 0.5 | SD | 2 | –– | 0.527 | 1.10 | 1.15 | 1.09 | 1.12 |
| Peer SDI | 2 | | 0.53 | CV | 2 | –– | 1.8 | 3.9 | 4.0 | 3.6 | 3.8 |
| Method SDI | 2 | | –0.20 | # Points | 2 | –– | 9 | 2710 | 14407 | 42183 | 273K |
| | | | | # Labs | 2 | | | 120 | 167 | 1174 | 1459 |

## Protein, Total, Urine/Spinal Fluid — Pyrogallol red mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • UCFP REF DF26 : UCFP Cal REF DC45 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum | | Level | Mon | Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Siemens Dimension Series | | Pyrogallol red | |
| Peer CVR | 1 | | 0.6 | Mean | 1 | –– | 43.21 | 43.35 | 43.51 | 40.04 | 39.86 |
| Method CVR | 1 | | 0.3 | SD | 1 | –– | 1.02 | 1.48 | 1.57 | 2.94 | 2.98 |
| Peer SDI | 1 | | –0.19 | CV | 1 | –– | 2.4 | 3.4 | 3.6 | 7.4 | 7.5 |
| Method SDI | 1 | | 1.12 | # Points | 1 | –– | 9 | 1985 | 13509 | 15217 | 104K |
| | | | | # Labs | 1 | | | 127 | 174 | 611 | 785 |
| Peer CVR | 2 | | 0.7 | Mean | 2 | –– | 84.36 | 84.99 | 85.05 | 85.99 | 85.54 |
| Method CVR | 2 | | 0.5 | SD | 2 | –– | 1.36 | 1.80 | 1.90 | 2.83 | 2.96 |
| Peer SDI | 2 | | –0.37 | CV | 2 | –– | 1.6 | 2.1 | 2.2 | 3.3 | 3.5 |
| Method SDI | 2 | | –0.40 | # Points | 2 | –– | 9 | 1898 | 13179 | 15154 | 105K |
| | | | | # Labs | 2 | | | 124 | 171 | 614 | 788 |

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.


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**February 2022 • 100297**

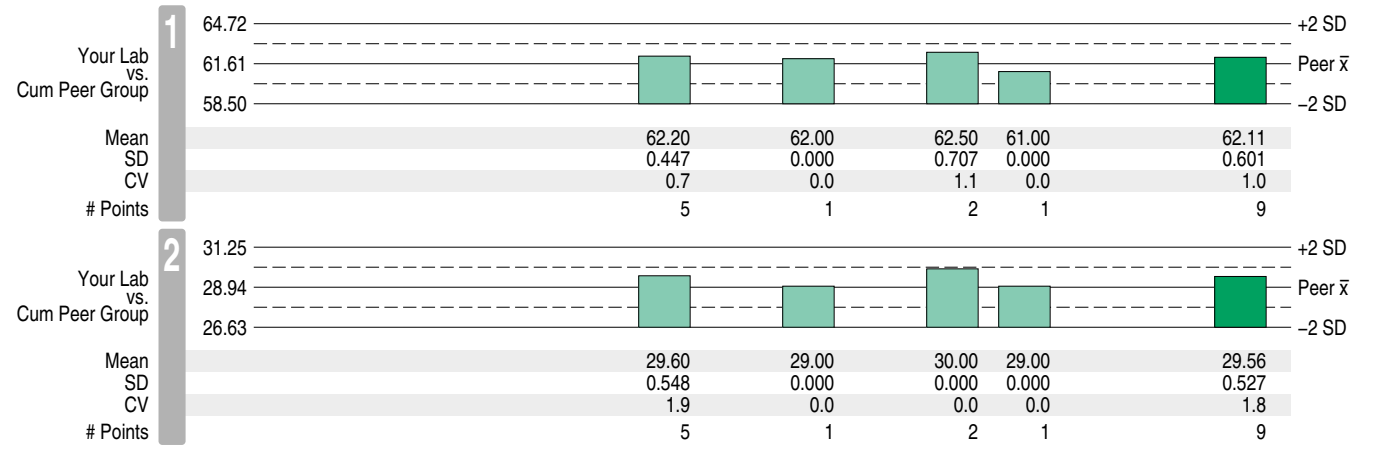
# Laboratory Histogram

Spinal Fluid • Lot 56470 • Exp 30–Sep–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

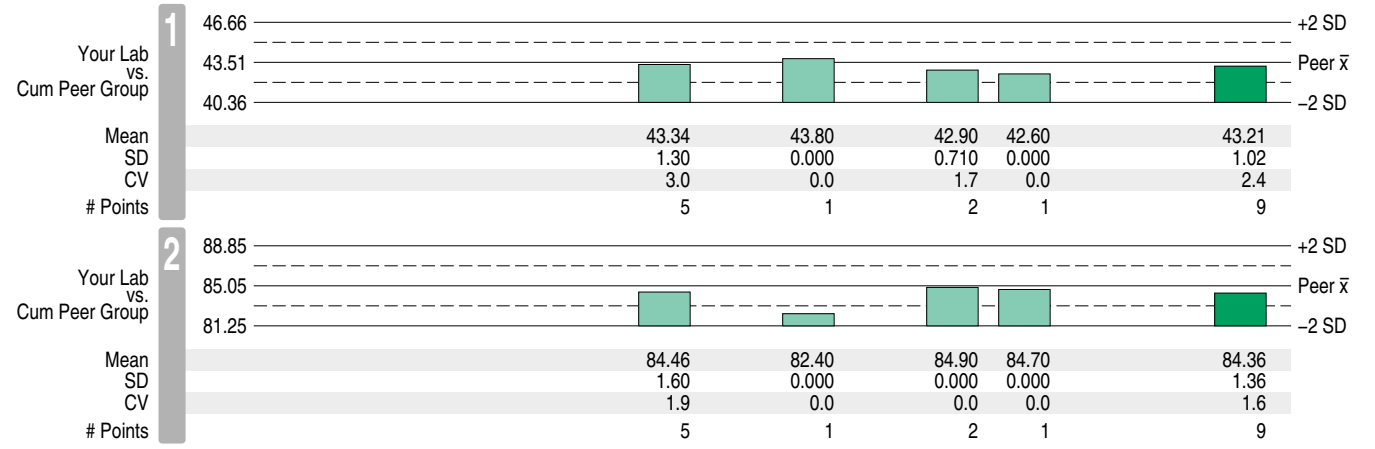
## Glucose Hexokinase mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • GLUC REF DF40 : CHEM I Cal REF DC18B/C – Unspecified *** – Unspecified ***




## Protein, Total, Urine/Spinal Fluid Pyrogallol red mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • UCFP REF DF26 : UCFP Cal REF DC45 – Unspecified *** – Unspecified ***

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**February 2022 • 100297**

# Monthly Evaluation Report

Urine Chemistry • 88110 • 30–Jun–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

Please review your QC reports for February 2022.

**Your tests are all within established parameters.**

Corrective Action: Level 3 High Sensitivity Troponin has been verified as in acceptable range with peer group.. UnityNext software is not working online for this analyte per support. review on next pages and on Meditech LJ chart for data

Reviewed By: Gerry Brown _____ Date: 4/15/2022 3:04:31 PM

The statistics in this report are derived from user–supplied data and are provided by Bio–Rad Laboratories as a service to its customers. Such action does not imply support of reported analytes and test methods. Refer to the package insert for specific analyte claims and stability information. Qualitative percentages may not add up to 100 due to rounding. Individual lab stats are updated in real–time and the peer group stats are updated the following day. Peer group statistics contained in this report may not be used without the expressed written consent of Bio–Rad Laboratories.

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**February 2022 • 100297**

# Laboratory Comparison Report

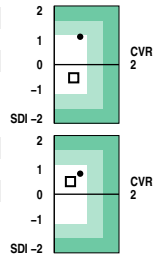
Urine Chemistry • 88110 • 30–Jun–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Creatinine — Alkaline picrate method, IFCC–IDMS Standardized mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • CRE2 REF DF33B : CHEM I Cal REF DC18C – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.8 | 0.7 |
| □Method CVR | 1 | 0.6 | 0.5 |
| • Peer SDI | 1 | 0.95 | 0.59 |
| □Method SDI | 1 | –0.45 | –0.55 |
| • Peer CVR | 2 | 0.8 | 0.7 |
| □Method CVR | 2 | 0.5 | 0.5 |
| • Peer SDI | 2 | 0.70 | 0.36 |
| □Method SDI | 2 | 0.43 | 0.11 |

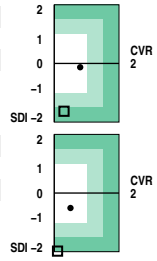



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Alkaline picrate method, IFCC–IDMS Standardized | |
| Mean | 1 | 56.09 | 57.03 | 54.10 | 55.69 | 57.47 | 58.85 |
| SD | 1 | 1.78 | 1.58 | 2.10 | 2.29 | 3.09 | 3.31 |
| CV | 1 | 3.2 | 2.8 | 3.9 | 4.1 | 5.4 | 5.6 |
| # Points | 1 | 30 | 351 | 2948 | 36389 | 29974 | 383K |
| # Labs | 1 | | | 142 | 205 | 830 | 1242 |
| Mean | 2 | 133.8 | 136.6 | 130.5 | 134.6 | 130.8 | 135.8 |
| SD | 2 | 3.75 | 3.93 | 4.73 | 5.45 | 6.85 | 7.72 |
| CV | 2 | 2.8 | 2.9 | 3.6 | 4.0 | 5.2 | 5.7 |
| # Points | 2 | 30 | 349 | 3168 | 36325 | 31014 | 390K |
| # Labs | 2 | | | 140 | 203 | 831 | 1249 |

## Microalbumin/Urine Albumin — Immunoturbidimetric mg/L

Siemens Dimension EXL • Dimension EXL–183197 • MALB REF DF114 : Microalbumin Cal REF DC114 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.8 | 0.9 |
| □Method CVR | 1 | 0.3 | 0.3 |
| • Peer SDI | 1 | –0.13 | 0.12 |
| □Method SDI | 1 | –1.63 | –1.56 |
| • Peer CVR | 2 | 0.5 | 0.7 |
| □Method CVR | 2 | 0.1 | 0.1 |
| • Peer SDI | 2 | –0.51 | –0.19 |
| □Method SDI | 2 | –1.98 | –1.85 |

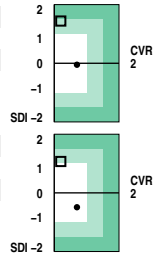



| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Immunoturbidimetric | |
| Mean | 1 | 10.78 | 10.97 | 10.99 | 10.78 | 30.06 | 28.17 |
| SD | 1 | 1.20 | 1.50 | 1.55 | 1.62 | 11.83 | 11.04 |
| CV | 1 | 11.1 | 13.7 | 14.1 | 15.0 | 39.3 | 39.2 |
| # Points | 1 | 26 | 347 | 1948 | 22620 | 23120 | 279K |
| # Labs | 1 | | | 88 | 120 | 687 | 1024 |
| Mean | 2 | 50.56 | 51.17 | 51.59 | 51.56 | 78.83 | 77.11 |
| SD | 2 | 1.05 | 1.36 | 2.00 | 2.04 | 14.29 | 14.04 |
| CV | 2 | 2.1 | 2.7 | 3.9 | 4.0 | 18.1 | 18.2 |
| # Points | 2 | 26 | 342 | 1865 | 22353 | 23163 | 278K |
| # Labs | 2 | | | 87 | 122 | 690 | 1028 |

## Protein, Total, Urine/Spinal Fluid — Pyrogallol red mg/L

Siemens Dimension EXL • Dimension EXL–183197 • UCFP REF DF26 : UCFP Cal REF DC45 – Unspecified *** – Unspecified ***

| Level | | Mon | Cum |
|---|---|---|---|
| • Peer CVR | 1 | 0.7 | 0.8 |
| □Method CVR | 1 | 0.2 | 0.3 |
| • Peer SDI | 1 | –0.05 | 0.15 |
| □Method SDI | 1 | 1.44 | 1.54 |
| • Peer CVR | 2 | 0.7 | 0.7 |
| □Method CVR | 2 | 0.2 | 0.2 |
| • Peer SDI | 2 | –0.49 | –0.33 |
| □Method SDI | 2 | 1.07 | 1.17 |




| | | Your Lab Mon | Your Lab Cum | Peer Group Mon | Peer Group Cum | Method Group Mon | Method Group Cum |
|---|---|---|---|---|---|---|---|
| | | | | Siemens Dimension Series | | Pyrogallol red | |
| Mean | 1 | 29.13 | 29.51 | 29.21 | 29.29 | 24.04 | 23.97 |
| SD | 1 | 1.05 | 1.13 | 1.55 | 1.48 | 3.54 | 3.61 |
| CV | 1 | 3.6 | 3.8 | 5.3 | 5.1 | 14.7 | 15.0 |
| # Points | 1 | 29 | 351 | 3099 | 36378 | 19503 | 245K |
| # Labs | 1 | | | 145 | 197 | 676 | 998 |
| Mean | 2 | 72.72 | 73.09 | 73.52 | 73.65 | 67.30 | 67.28 |
| SD | 2 | 1.12 | 1.23 | 1.65 | 1.69 | 5.05 | 4.99 |
| CV | 2 | 1.5 | 1.7 | 2.2 | 2.3 | 7.5 | 7.4 |
| # Points | 2 | 29 | 348 | 3070 | 35384 | 19803 | 248K |
| # Labs | 2 | | | 143 | 194 | 688 | 1012 |

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Unity™

**February 2022 • 100297**

# Laboratory Histogram

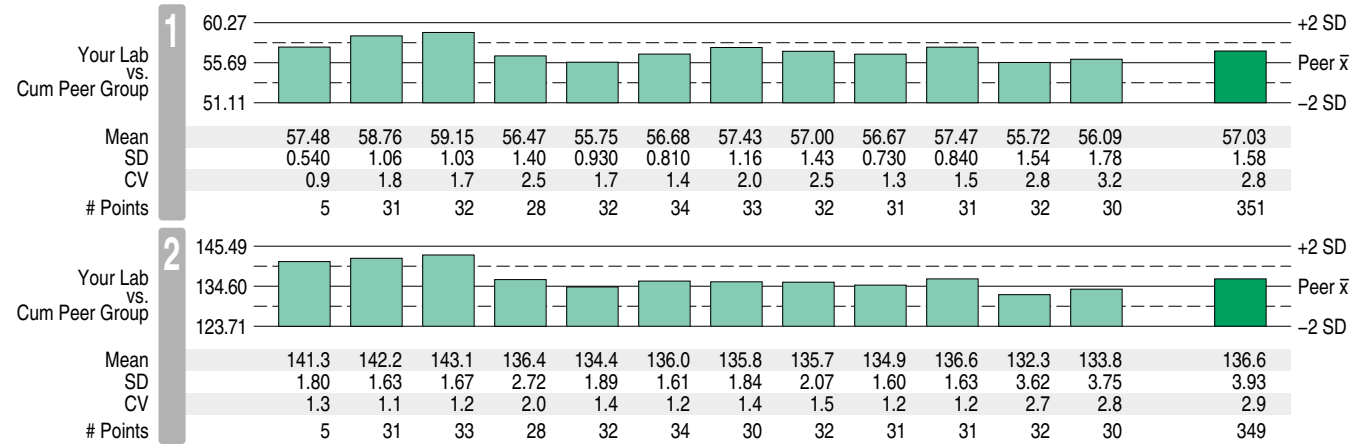
Urine Chemistry • Lot 88110 • Exp 30–Jun–2022

Bell Hospital
901 Lakeshore Dr
Ishpeming, MI 49849
Attention: Gerry Brown
Lab

## Creatinine — Alkaline picrate method, IFCC–IDMS Standardized mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • CRE2 REF DF33B : CHEM I Cal REF DC18C – Unspecified *** – Unspecified ***

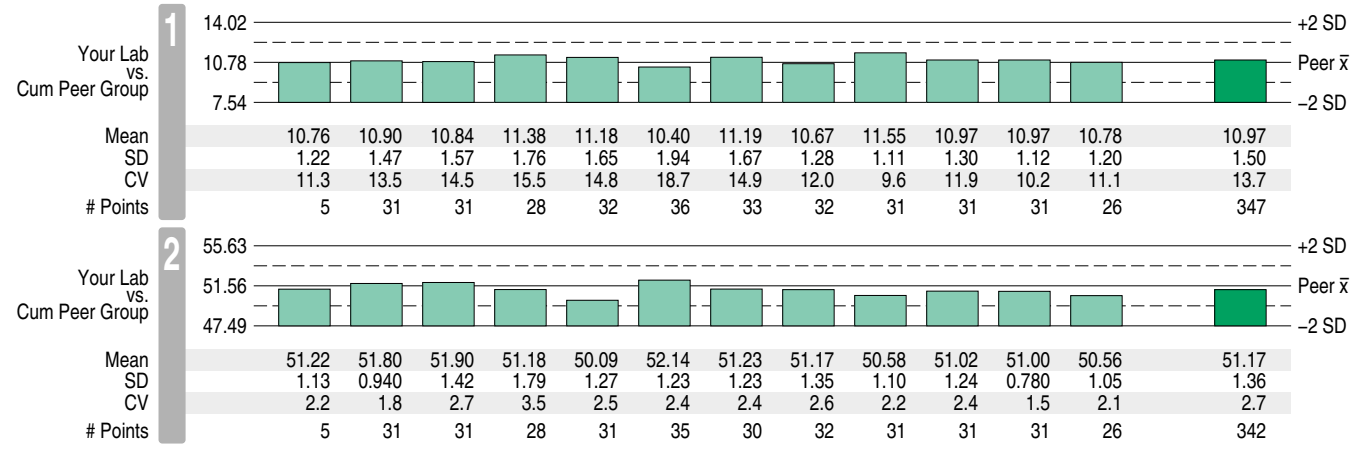
| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 57.48 | 58.76 | 59.15 | 56.47 | 55.75 | 56.68 | 57.43 | 57.00 | 56.67 | 57.47 | 55.72 | 56.09 | 57.03 |
| SD | 0.540 | 1.06 | 1.03 | 1.40 | 0.930 | 0.810 | 1.16 | 1.43 | 0.730 | 0.840 | 1.54 | 1.78 | 1.58 |
| CV | 0.9 | 1.8 | 1.7 | 2.5 | 1.7 | 1.4 | 2.0 | 2.5 | 1.3 | 1.5 | 2.8 | 3.2 | 2.8 |
| # Points | 5 | 31 | 32 | 28 | 32 | 34 | 33 | 32 | 31 | 31 | 32 | 30 | 351 |
| 2 Mean | 141.3 | 142.2 | 143.1 | 136.4 | 134.4 | 136.0 | 135.8 | 135.7 | 134.9 | 136.6 | 132.3 | 133.8 | 136.6 |
| SD | 1.80 | 1.63 | 1.67 | 2.72 | 1.89 | 1.61 | 1.84 | 2.07 | 1.60 | 1.63 | 3.62 | 3.75 | 3.93 |
| CV | 1.3 | 1.1 | 1.2 | 2.0 | 1.4 | 1.2 | 1.4 | 1.5 | 1.2 | 1.2 | 2.7 | 2.8 | 2.9 |
| # Points | 5 | 31 | 33 | 28 | 32 | 34 | 30 | 32 | 31 | 31 | 32 | 30 | 349 |




## Microalbumin/Urine Albumin — Immunoturbidimetric mg/L

Siemens Dimension EXL • Dimension EXL–183197 • MALB REF DF114 : Microalbumin Cal REF DC114 – Unspecified *** – Unspecified ***

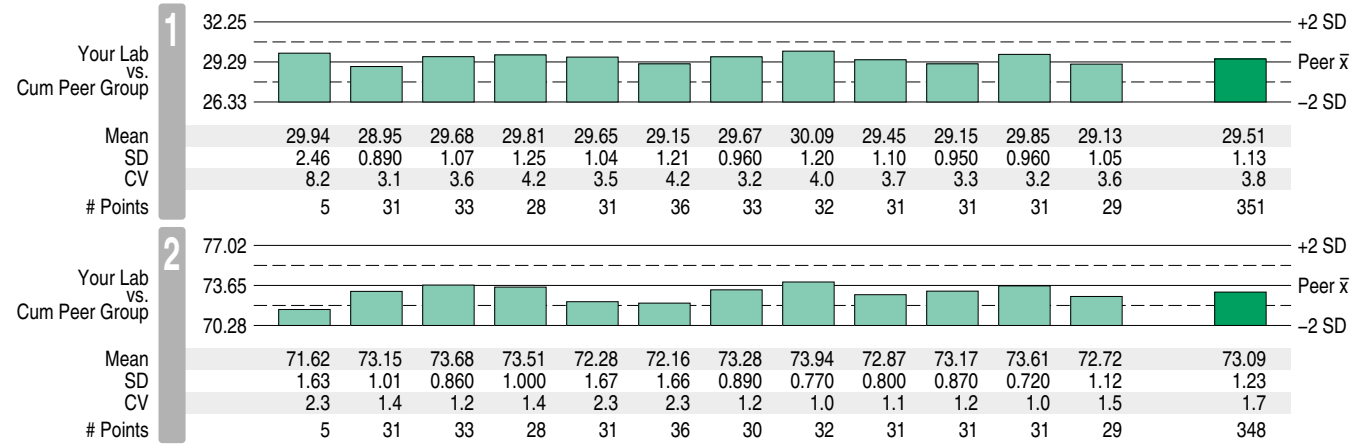
| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 10.76 | 10.90 | 10.84 | 11.38 | 11.18 | 10.40 | 11.19 | 10.67 | 11.55 | 10.97 | 10.97 | 10.78 | 10.97 |
| SD | 1.22 | 1.47 | 1.57 | 1.76 | 1.65 | 1.94 | 1.67 | 1.28 | 1.11 | 1.30 | 1.12 | 1.20 | 1.50 |
| CV | 11.3 | 13.5 | 14.5 | 15.5 | 14.8 | 18.7 | 14.9 | 12.0 | 9.6 | 11.9 | 10.2 | 11.1 | 13.7 |
| # Points | 5 | 31 | 31 | 28 | 32 | 36 | 33 | 32 | 31 | 31 | 31 | 26 | 347 |
| 2 Mean | 51.22 | 51.80 | 51.90 | 51.18 | 50.09 | 52.14 | 51.23 | 51.17 | 50.58 | 51.02 | 51.00 | 50.56 | 51.17 |
| SD | 1.13 | 0.940 | 1.42 | 1.79 | 1.27 | 1.23 | 1.23 | 1.35 | 1.10 | 1.24 | 0.780 | 1.05 | 1.36 |
| CV | 2.2 | 1.8 | 2.7 | 3.5 | 2.5 | 2.4 | 2.4 | 2.6 | 2.2 | 2.4 | 1.5 | 2.1 | 2.7 |
| # Points | 5 | 31 | 31 | 28 | 31 | 35 | 30 | 32 | 31 | 31 | 31 | 26 | 342 |




## Protein, Total, Urine/Spinal Fluid — Pyrogallol red mg/dL

Siemens Dimension EXL • Dimension EXL–183197 • UCFP REF DF26 : UCFP Cal REF DC45 – Unspecified *** – Unspecified ***

| Level | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Cum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Mean | 29.94 | 28.95 | 29.68 | 29.81 | 29.65 | 29.15 | 29.67 | 30.09 | 29.45 | 29.15 | 29.85 | 29.13 | 29.51 |
| SD | 2.46 | 0.890 | 1.07 | 1.25 | 1.04 | 1.21 | 0.960 | 1.20 | 1.10 | 0.950 | 0.960 | 1.05 | 1.13 |
| CV | 8.2 | 3.1 | 3.6 | 4.2 | 3.5 | 4.2 | 3.2 | 4.0 | 3.7 | 3.3 | 3.2 | 3.6 | 3.8 |
| # Points | 5 | 31 | 33 | 28 | 31 | 36 | 33 | 32 | 31 | 31 | 31 | 29 | 351 |
| 2 Mean | 71.62 | 73.15 | 73.68 | 73.51 | 72.28 | 72.16 | 73.28 | 73.94 | 72.87 | 73.17 | 73.61 | 72.72 | 73.09 |
| SD | 1.63 | 1.01 | 0.860 | 1.000 | 1.67 | 1.66 | 0.890 | 0.770 | 0.800 | 0.870 | 0.720 | 1.12 | 1.23 |
| CV | 2.3 | 1.4 | 1.2 | 1.4 | 2.3 | 2.3 | 1.2 | 1.0 | 1.1 | 1.2 | 1.0 | 1.5 | 1.7 |
| # Points | 5 | 31 | 33 | 28 | 31 | 36 | 30 | 32 | 31 | 31 | 31 | 29 | 348 |

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