

Electronically signed off by Dr. Shannon H. Schrader, MD, MD on 09/14/2014

TEST DESCRIPTION

OUT-OF-RANGE

IN-RANGE

UNITS

EXPECTED

Result Status Key: X - Test canceled or cannot be obtained

The percent (%) differential reference intervals for normal cell types will be removed from patient reports beginning September 15, 2014, consistent with CAP standards.

| | | | | |
|-----------------------|--|-----|----------|---------|
| Immature Grans (Abs): | | 0.0 | x10E3/uL | 0.0-0.1 |
| NRBC: | | | (X) | |
| Hematology Comments:: | | | (X) | |

322000 - Comp. Metabolic Panel (14)

| | | | | |
|--------------------------|-------|-----|-------------|-----------|
| Glucose, Serum: | | 92 | mg/dL | 65-99 |
| BUN: | | 21 | mg/dL | 6-24 |
| Creatinine, Serum: | 1.32 | | mg/dL | 0.76-1.27 |
| eGFR If NonAfricn Am: | | 62 | mL/min/1.73 | >59 |
| eGFR If Africn Am: | | 71 | mL/min/1.73 | >59 |
| BUN/Creatinine Ratio: | | 16 | | 9-20 |
| Sodium, Serum: | | 134 | mmol/L | 134-144 |
| Potassium, Serum: | | 5.2 | mmol/L | 3.5-5.2 |
| Chloride, Serum: | 96 | | mmol/L | 97-108 |
| Carbon Dioxide, Total: | | 26 | mmol/L | 18-29 |
| Calcium, Serum: | | 9.2 | mg/dL | 8.7-10.2 |
| Protein, Total, Serum: | | 7.4 | g/dL | 6.0-8.5 |
| Albumin, Serum: | | 5.1 | g/dL | 3.5-5.5 |
| Globulin, Total: | | 2.3 | g/dL | 1.5-4.5 |
| A/G Ratio: | | 2.2 | | 1.1-2.5 |
| Bilirubin, Total: | 1.4 * | | mg/dL | 0.0-1.2 |
| Alkaline Phosphatase, S: | | 87 | IU/L | 39-117 |
| AST (SGOT): | | 22 | IU/L | 0-40 |
| ALT (SGPT): | | 25 | IU/L | 0-44 |

505005 - Helper Suppressor Short Prof.

| | | | | |
|-----------------------|------|------|-----|-----------|
| Absolute CD 3: | | 1556 | /uL | 622-2402 |
| Absolute CD 4 Helper: | | 768 | /uL | 359-1519 |
| Abs. CD 8 Suppressor: | | 776 | /uL | 109-897 |
| % CD 3 Pos. Lymph.: | | 77.8 | % | 57.5-86.2 |
| % CD 4 Pos. Lymph.: | | 38.4 | % | 30.8-58.5 |
| % CD 8 Pos. Lymph.: | 38.8 | | % | 12.0-35.5 |
| CD4/CD8 Ratio: | | 0.99 | | 0.92-3.72 |

303756 - Lipid Panel

| | | | | |
|---------------------|--|-----|-------|---------|
| Cholesterol, Total: | | 182 | mg/dL | 100-199 |
|---------------------|--|-----|-------|---------|

* medication induced

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*Patient is Fasting***5009 - CBC With Differential/Platelet**

| | | | |
|--------------|------|----------|-----------|
| WBC: | 4.0 | x10E3/uL | 3.4-10.8 |
| RBC: | 4.68 | x10E6/uL | 4.14-5.80 |
| Hemoglobin: | 15.1 | g/dL | 12.6-17.7 |
| Hematocrit: | 45.1 | % | 37.5-51.0 |
| MCV: | 96 | fL | 79-97 |
| MCH: | 32.3 | pg | 26.6-33.0 |
| MCHC: | 33.5 | g/dL | 31.5-35.7 |
| RDW: | 12.9 | % | 12.3-15.4 |
| Platelets: | 183 | x10E3/uL | 150-379 |
| Neutrophils: | 37 | % | 40-74 |

The percent (%) differential reference intervals for normal cell types will be removed from patient reports beginning September 15, 2014, consistent with CAP standards.

| | | | |
|---------|----|---|-------|
| Lymphs: | 50 | % | 14-46 |
|---------|----|---|-------|

The percent (%) differential reference intervals for normal cell types will be removed from patient reports beginning September 15, 2014, consistent with CAP standards.

| | | | |
|------------|----|---|------|
| Monocytes: | 10 | % | 4-12 |
|------------|----|---|------|

The percent (%) differential reference intervals for normal cell types will be removed from patient reports beginning September 15, 2014, consistent with CAP standards.

| | | | |
|------|---|---|-----|
| Eos: | 2 | % | 0-5 |
|------|---|---|-----|

The percent (%) differential reference intervals for normal cell types will be removed from patient reports beginning September 15, 2014, consistent with CAP standards.

| | | | |
|--------|---|---|-----|
| Basos: | 1 | % | 0-3 |
|--------|---|---|-----|

The percent (%) differential reference intervals for normal cell types will be removed from patient reports beginning September 15, 2014, consistent with CAP standards.

| | | | |
|-------------------------|-----|----------|---------|
| Immature Cells: | (X) | | |
| Neutrophils (Absolute): | 1.5 | x10E3/uL | 1.4-7.0 |
| Lymphs (Absolute): | 2.0 | x10E3/uL | 0.7-3.1 |
| Monocytes(Absolute): | 0.4 | x10E3/uL | 0.1-0.9 |
| Eos (Absolute): | 0.1 | x10E3/uL | 0.0-0.4 |
| Baso (Absolute): | 0.0 | x10E3/uL | 0.0-0.2 |
| Immature Granulocytes: | 0 | % | 0-2 |

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| TEST DESCRIPTION | OUT-OF-RANGE | IN-RANGE | UNITS | EXPECTED |
|--|--------------|------------|-------|----------------|
| Result Status Key: X - Test canceled or cannot be obtained | | | | |
| 3038 - Urinalysis, Routine | | | | |
| Specific Gravity: | | 1.017 | | 1.005-1.030 |
| pH: | | 6.0 | | 5.0-7.5 |
| Urine-Color: | | Yellow | | Yellow |
| Appearance: | | Clear | | Clear |
| WBC Esterase: | | Negative | | Negative |
| Protein: | | Trace | | Negative/Trace |
| Glucose: | | Negative | | Negative |
| Glucose Reflex: | | (X) | | |
| Ketones: | | Negative | | Negative |
| Occult Blood: | Trace | | | Negative |
| Bilirubin: | | Negative | | Negative |
| Urobilinogen, Semi-Qn: | | 0.2 | mg/dL | 0.0-1.9 |
| Nitrite, Urine: | | Negative | | Negative |
| Microscopic Examination: | | See below: | | |

*Microscopic was indicated and was performed.***333328 - Microscopic Examination (auto-generated/reflex)**

Parent Result: 012237

| | | | |
|-------------------------------|-----------|------|---------------|
| WBC: | 0-5 | /hpf | 0 - 5 |
| RBC: | 0-2 | /hpf | 0 - 2 |
| Epithelial Cells (non renal): | None seen | /hpf | 0 - 10 |
| Epithelial Cells (renal): | (X) | | |
| Casts: | (X) | | |
| Cast Type: | (X) | | |
| Crystals: | (X) | | |
| Crystal Type: | (X) | | |
| Mucus Threads: | Present | | Not Estab. |
| Bacteria: | None seen | | None seen/Few |
| Yeast: | (X) | | |
| Trichomonas: | (X) | | |
| Comment: | (X) | | |

10322 - Prostate-Specific Ag, Serum

Prostate Specific Ag, Serum: 1.0 ng/mL 0.0-4.0 ✓
Roche ECLIA methodology.

According to the American Urological Association, Serum PSA should

Electronically signed off by [REDACTED] on 11/02/2014

| TEST DESCRIPTION | OUT-OF-RANGE | IN-RANGE | UNITS | EXPECTED |
|---|--------------|------------|-------|-----------|
| 1321 - Iron and TIBC | | | | |
| Iron Bind.Cap. (TIBC): | | 318 | ug/dL | 250-450 |
| UIBC: | | 228 | ug/dL | 150-375 |
| Iron, Serum: | | 90 | ug/dL | 40-155 |
| Iron Saturation: | | 28 | % | 15-55 |
| 1974 - Thyroxine (T4) Free, Direct, S | | | | |
| T4, Free(Direct): | | 1.09 | ng/dL | 0.82-1.77 |
| 4051 - Cortisol | | | | |
| Cortisol: | 23.4 | | ug/dL | 2.3-19.4 |
| | Cortisol AM | 6.2 - 19.4 | | |
| | Cortisol PM | 2.3 - 11.9 | | |
| 6692 - Antithyroglobulin Ab | | | | |
| Thyroglobulin, Antibody: | 921.5 | | IU/mL | 0.0-0.9 |
| <i>Low positive Thyroglobulin antibodies are seen in a portion of the asymptomatic populations.</i> | | | | |
| <i>Antithyroglobulin antibodies measured by Beckman Coulter Methodology</i> | | | | |
| 70104 - Reverse T3, Serum | | | | |
| Reverse T3, Serum: | | 19.3 | ng/dL | 9.2-24.1 |
| 4598 - Ferritin, Serum | | | | |
| Ferritin, Serum: | 23 | | ng/mL | 30-400 |
| 6676 - Thyroid Peroxidase (TPO) Ab | | | | |
| Thyroid Peroxidase (TPO) Ab: | 268 | | IU/mL | 0-34 |
| 10389 - Triiodothyronine, Free, Serum | | | | |
| Triiodothyronine, Free, Serum: | | 2.6 | pg/mL | 2.0-4.4 |

Performing Laboratory: LabCorp Houston, 7207 North Gessner&&Houston&TX&770403143# 01

Performing Laboratory: LabCorp Burlington, 1447 York Court&&Burlington&NC&272153361# 02

Electronically signed off by **Dr. Shannon W. Schneider, MD, MD** on 10/16/2014

| TEST DESCRIPTION | OUT-OF-RANGE | IN-RANGE | UNITS | EXPECTED |
|--|--------------|----------|--------|-------------|
| Result Status Key: X - Test canceled or cannot be obtained | | | | |
| <i>Patient is Fasting</i> | | | | |
| 381128 - Uric A+TSH+TestT+ApoliB | | | | |
| Uric Acid, Serum: | | 4.9 | mg/dL | 3.7-8.6 |
| <i>Therapeutic target for gout patients: <6.0</i> | | | | |
| Apolipoprotein B: | 83 | | mg/dL | 0-79 |
| TSH: | | 4.060 | uIU/mL | 0.450-4.500 |
| Comment:: | | (X) | | |
| Testosterone, Serum: | | 533 | ng/dL | 348-1197 |
| Comment:: | | | | |

Adult male reference interval is based on a population of lean males up to 40 years old.

Performing Laboratory: LabCorp Houston, 7207 North Gessner&&Houston&TX&770403143# 01

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