IMPORTANT TEST UPDATES
TEST UPDATE 701

NOTICE DATE: January 29, 2020
EFFECTIVE DATE: January 29, 2020

TEST OBSOLETE

21-Hydroxylase Antibodies, Serum
Order Code: OH21
CPT Code: 83519
Reference Laboratory: Mayo Medical Laboratories

REPLACEMENT TEST

21-Hydroxylase Antibody
New Order Code: 21OH
CPT Code: 83519
Reference Laboratory: Mayo Medical Laboratories

Effective January 29, 2020 21-Hydroxylase Antibodies, Serum (OH21) will be replaced by 21-Hydroxylase Antibody (21OH) due to reagent discontinuation per Mayo Medical Laboratories.

Collection Instructions: Collect approximately 3 mL of whole blood in a serum separator or red top vacutainer. Centrifuge specimen and aliquot serum into a plastic vial. Ship the specimen frozen with 14 days of collection.

Methodology: Enzyme-Linked Immunosorbent Assay (ELISA)
Reference Ranges: Negative

EFFECTIVE DATE: January 29, 2020

TEST DELAY

Diuretic Screen, Qualitative, Urine
Order Code: FDIRU
CPT Code: 80377
Reference Laboratory: Mayo Medical Laboratories

Effective January 29, 2020, there is a test delay and extended turnaround times for Diuretic Screen, Qualitative, Screen (FDIRU) due to Mayo Medical Laboratories via MedTox Laboratories.

EFFECTIVE DATE: January 29, 2020

TEST OBSOLETE

Pseudocholinesterase, Total, S
Order Code: PCHE
CPT Code: 82638, 82480
Reference Laboratory: Mayo Medical Laboratories
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REPLACEMENT TEST

Pseudocholinesterase, Dibucaine Inhibition, Serum

New Order Code: PCHE1
CPT Code: 82638, 82480
Reference Laboratory: Mayo Medical Laboratories

Effective January 29, 2020, Pseudocholinesterase, Total, S (PCHE) will be replaced by Pseudocholinesterase, Dibucaine Inhibition, Serum (PCHE1) due to low utilization per Mayo Medical Laboratories.

Collection Instructions: Patient Preparation: For prolonged apnea surgery, wait at least 24 hours to collect specimen. Collect approximately 3 mL of whole blood in a serum separator or red top vacutainer. Centrifuge specimen and aliquot serum into a plastic vial within 2 hours of collections. Ship the specimen refrigerated with 14 days of collection.

Methodology: Colorimetric Assay

Reference Ranges:

<table>
<thead>
<tr>
<th></th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 15 years</td>
<td>5320 - 12,920 U/L</td>
<td>5320 - 12,920 U/L</td>
</tr>
<tr>
<td>16 - 39 years</td>
<td>4260 - 11,250 U/L</td>
<td>4260 - 11,250 U/L</td>
</tr>
<tr>
<td>40 - 41 years</td>
<td>5320 - 12,920 U/L</td>
<td>5320 - 12,920 U/L</td>
</tr>
<tr>
<td>≥ 42 years</td>
<td>5320 - 12,920 U/L</td>
<td>5320 - 12,920 U/L</td>
</tr>
</tbody>
</table>

Note: Females age 18 - 41 years who are pregnant or taking hormonal contraceptives, the reference interval is 3650 - 9120 U/L

EFFECTIVE DATE: January 29, 2020

NEW TESTS

Effective January 29, 2020, MLabs will offer the following tests:

Rickettsial Disease Antibody Panel
Order Code: QRICK
CPT Code: 86757 x4
Reference Laboratory: Quest Diagnostics

14.3.3 eta Protein
Order Code: QETAP
CPT Code: 83520
Reference Laboratory: Quest Diagnostics

Cashew Nut IgE
Order Code: QCNPN
# IMPORTANT TEST UPDATES

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<table>
<thead>
<tr>
<th>Test</th>
<th>CPT Code</th>
<th>Reference Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estrogen, Total, Serum</td>
<td>86003</td>
<td>Quest Diagnostics</td>
</tr>
<tr>
<td>Rickettsial Antibody IgG, IgM</td>
<td>QRMGM</td>
<td>Quest Diagnostics</td>
</tr>
</tbody>
</table>

**ORDER CODES:**
- Estrogen, Total, Serum: QESTO
- Rickettsial Antibody IgG, IgM: QRMGM

**CPT CODES:**
- Estrogen, Total, Serum: 86003
- Rickettsial Antibody IgG, IgM: 82672

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# EFFECTIVE DATE: February 2, 2020

## NEW TEST

**FGFR Mutation/ Translocation**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>CPT Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>NGFGF</td>
<td>81404, 88381-TC</td>
</tr>
</tbody>
</table>

Effective February 5, 2020 MLabs will offer FGFR Mutation/ Translocation (NGFGF) testing.

**Test Usage:** Fibroblast growth factor receptors (FGFR) are tyrosine kinases involved in the transduction of growth factor signaling. Mutations and translocations affecting the genes that encode these proteins (primarily FGFR2 and FGFR3) occur in approximately 20% of urothelial carcinomas, as well as in many other types of cancer. These mutations and translocations result in constitutive activation of the receptor and downstream growth signaling. Amplification of FGFR genes is also well-described in urothelial carcinoma.

The detection of these mutations and translocations can have important treatment implications. Erdafitinib (Balversa) is an FGFR-inhibitor that is FDA-approved for the treatment of metastatic urothelial cancers harboring susceptible mutations or translocations involving FGFR2 or FGFR3. Other FGFR-targeted therapies are being investigated in clinical trials for the treatment of urothelial carcinoma and other cancers with FGFR alterations.

This DNA and RNA based test is performed by targeted next-generation sequencing and will detect mutations within the sequenced regions of FGFR2 (NM_000141.4; exons 7, 8, 9, 12 and 14) and FGFR3 (NM_000142.4; exons 7, 9, 14 and 16). Commonly mutated codons within FGFR3 that are covered by this assay include R248, S249, G370 and Y373. In addition, this test will detect activating FGFR2 and FGFR3 gene fusions including FGFR3-TACC3, FGFR3-BAIAP2L1, FGFR2-BICC1 and FGFR2-CASP7.

**Specimen Requirements:** For formalin-fixed, paraffin-embedded tissue, a block containing an area with a high percentage of neoplastic cells (for micro-/macro-dissection) is preferred. Unstained, UNBAKED slides (5-8, 10-micron slides; 10-15 if few neoplastic cells are present) with associated H&E stained slide are also acceptable. Decalcified tissue or other fixatives will be accepted and the assay attempted; however, these may result in failed...
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Testing due to degraded nucleic acid. Both blocks and slides should be stored at room temperature. A Diff-Quik or Papanicolaou stained aspirate smear (preferable containing a high percentage and overall amount of neoplastic cells) is also acceptable. Store at room temperature.

Analytic Time: 5 - 12 Days

Methodology: Next-Generation Sequencing