CLINICAL UPDATE

PROVIDENCE HEALTH & SERVICES | LABORATORY SERVICES

Updates to Thyroglobulin Testing

On 9/23/2014 we started offering in-house the same ICMA immunoassays that Esoterix uses in their “ESOTERIX Comprehensive Thyroglobulin” algorithm. Effective December 1st, 2014 we are offering a new orderable test called Thyroid Cancer Monitoring (LAB24138) that replaces the entire Esoterix testing algorithm. The workflow below illustrates how this new orderable will work.

Because the presence of thyroglobulin antibodies affects the accuracy of thyroglobulin detection, we will no longer report thyroglobulin results in the presence of thyroglobulin antibodies at concentration $\geq 0.9$ IU/mL. The table below demonstrates the changes in reporting effective December 1st, 2014.

<table>
<thead>
<tr>
<th>Current Order</th>
<th>New Order</th>
<th>Changes in Reporting</th>
</tr>
</thead>
</table>
| Thyroglobulin/Thyroglobulin Antibody (LAB13057) | Thyroglobulin/Thyroglobulin Antibody (LAB13057) | • No thyroglobulin results if thyroglobulin antibodies $\geq 0.9$ IU/mL  
• No more parallel reporting to compare with old assay (less sensitive Immulite 2000-ICMA)  
• If Thyroglobulin concentration by LC/MS-MS is needed, specimens are stable for 7 days but providers need to call the lab to order. If reflex testing needed, order LAB24138 instead of LAB13057.  
• In-house sensitive ICMA immunoassay (see above)  
• If thyroglobulin antibodies are $\geq 0.9$ IU/mL, LC/MS-MS will be reflexed. |
| ESOTERIX Comprehensive Thyroglobulin | Thyroid Cancer Monitoring, Reflex (LAB24138) | |

Collect: 4 mL SST Gold Top Tube (minimum volume 1.0 mL Serum)
Stability: Ambient 8 hours, Refrigerated 48 hours, Frozen 2 months
Reported: Monday-Friday (Reflex Thyroglobulin by LC-MS/MS requires 3-7 additional days for reporting)
EPIC Orderable: LAB24138 Thyroid Cancer Monitoring with LC-MS/MS Reflex  
LAB13057 Thyroglobulin/Thyroglobulin Antibody

For more information, please contact Providence Laboratory Services at 503.215.6660.

December 1, 2014
Clinical Update