On Aug 27, 2019, MercyOne Des Moines Laboratory will be converting to a new chemistry platform called the Atellica by Siemens. The Siemens Atellica is an integrated platform that performs both chemistry and immunoassay testing. Extensive validation studies have been performed to ensure the validity of the analyzers.

Due to the conversion, several changes will occur:

1. The total iron binding capacity (TIBC) will be directly measured. The Iron and TIBC Profile will include measurements of iron, TIBC and % saturation (calculation). Transferrin has been removed from the Iron and TIBC Profile and will need be ordered separately as needed.

2. Cholinesterase units of measure will be changing from kU/L (current) to U/L (Siemens Atellica). Reference ranges will reflect the unit of measure change.

Thank you for choosing MercyOne Des Moines Laboratory.
3. Thyroglobulin, tumor marker testing is not available on the Siemens Atellica. Testing will be sent to Mayo Clinical Laboratories until further notice.

4. Total Bilirubin critical values have been updated:

<table>
<thead>
<tr>
<th>Age (Male and Female)</th>
<th>Critical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1 day</td>
<td>&gt; 10.0 mg/dL</td>
</tr>
<tr>
<td>1 day – 2 weeks</td>
<td>&gt; 15.0 mg/dL</td>
</tr>
<tr>
<td>2 weeks – 1 yr</td>
<td>&gt; 15.0 mg/dL</td>
</tr>
</tbody>
</table>

5. Reference ranges will be updated based on extensive studies conducted with samples from our normal patient population performed on the Atellica system and can be found alongside the patient’s result.

If you have any questions, please contact Andrea Jones, Director, Laboratory-Hospital Services at 515-247-4484.

Thank you for choosing MercyOne Des Moines Laboratory.