Changes to Serum Methylmalonic Acid Testing

Providence Regional Laboratory will begin Serum Methylmalonic Acid (MMA) Quantitation by Liquid Chromatography Tandem Mass Spectrometry testing in-house on Monday, April 11, 2016. Requests for Serum Methylmalonic Acid testing are currently sent to ARUP.

Reference Range: The guidelines for reference intervals do not change with this transition, however, the analyte units are changing from μmol/L to nmol/L in order to standardize with other laboratories.

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Current Reference Interval</th>
<th>New Reference Interval</th>
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<tbody>
<tr>
<td>Methylmalonic Acid</td>
<td>0.00-0.40 μmol/L</td>
<td>0-400 nmol/L</td>
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The lower limit of quantitation for this assay is 200 nmol/L. Results lower than 200 nmol/L will be reported as <200 nmol/L. The upper limit of quantitation for this assay is 15,000 nmol/L. Results above 15,000 nmol/L will be reported as >15,000 nmol/L.

This assay was developed and its performance characteristics determined by Providence Regional Laboratory-Oregon. The U.S. Food and Drug Administration has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions.

Collect: Gold Serum Separator Tube

Transport: Transport to the laboratory at 2-8°C within 7 days of collection.

Stability: Refrigerated (2-8°C) 7 days.

Unacceptable: Plasma specimens; Specimens exposed to repeated freeze/thaw cycles.

Performed: Batched 3 times per week

Reported: 1-4 days.

Epic Orderable: LAB835

For additional information, contact Providence Regional Laboratory Services at (503)215-6660