Biotin may cause interference in hepatitis test results

**WHAT'S NEW?**
Based on information that we have received from the manufacturer of our hepatitis tests, Biotin - a popular dietary supplement - may cause interference and falsely affect the results of the following tests.

<table>
<thead>
<tr>
<th>Test</th>
<th>Effect on test</th>
<th>Biotin level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hepatitis A, IgM</td>
<td>Falsely lowers</td>
<td>50 ng/mL</td>
</tr>
<tr>
<td>Hepatitis A, Total</td>
<td>Falsely increases</td>
<td>25 ng/mL</td>
</tr>
<tr>
<td>Hepatitis B, Core IgM</td>
<td>Falsely lowers</td>
<td>30 ng/mL</td>
</tr>
<tr>
<td>Hepatitis B Surface Antigen</td>
<td>Falsely lowers</td>
<td>10 ng/mL</td>
</tr>
</tbody>
</table>

**RECOMMENDATION**
Biotin half-life is under 2 hours. Consider having patient refrain from taking any supplements for 24 hours prior to blood draw, or consider repeat testing if interference is suspected.

**QUESTIONS?**
Stephen Erfurth, PhD, DABCC/TC
Director, Science and Technology
541-687-2134 ext. 8092
800-826-3616 ext. 8092
serfurth@peacehealthlabs.org

Lynette Long, MT(HHS)
Senior Clinical Scientist, Chemistry
541-687-2134 ext. 4619
800-826-3616 ext. 4619
llong@peacehealthlabs.org