

BIOTIN INTERFERENCE WITH VARIOUS CHEMISTRY ASSAYS

Effective Date: January 29, 2018

We have been informed by Siemens Diagnostics and Beckman Instruments that some assays used at Beaumont Health Laboratory may be subject to interference from the dietary supplement Biotin (vitamin B7).

Therefore, it is recommended that twenty-four (24) hours before blood is drawn for any of these tests, patients should not take multivitamins or dietary supplements containing biotin.

The following tests run on the identified laboratory instrument may be subject to biotin interference:

	Serum Folate	Hepatitis A Virus, IgM (HAV IgM)	Hepatitis A Virus, Total Antibody (HAV Total)	Hepatitis B Core Antibody, IgM (HB Core IgM)	Hepatitis B Surface Antigen (HBsAg)	Testosterone	Troponin-I	Thyroglobulin	Free T4	Free T3
Beckman Dxl, Farmington Hills								X	X	X
Siemens Centaur Grosse Pointe, Royal Oak, Troy	X	X	X	X	X	X				
Siemens Vista Grosse Pointe, Royal Oak, Troy							X			
Siemens Immulite, Royal Oak								X		

Biotin, also known as vitamin H or coenzyme R, is a water-soluble B-vitamin (B7). Biotin is also the key component in 'special vitamins' used to promote hair and nail growth. The US Department of Agriculture recommended Dietary Reference Intake (DRI) for biotin is 30 mcg/day. Most hair and nail vitamins that include biotin may contain 100x the RDI (3000 mcg), some report as much as 10,000 mcg. Patients using over the counter (OTC) supplements may not be aware they are ingesting high doses of biotin.

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Additional information is available in the Laboratory Test Directory:

<http://beaumontlaboratory.com/test-lab-directory>.

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