WHY ARE PHYSICIANS AND LABS WORRIED ABOUT BIOTIN?

AS A PHYSICIAN you rely on accurate test results for your patient diagnosis and treatment. The fact is, biotin interferes with immunoassay lab tests that use the biotin-streptavidin capture method — and can lead to misdiagnosis and mistreatment.¹

WHY IS BIOTIN A CONCERN NOW?
Millions of people take supplements for the overall health benefits in hair, skin, and nails, resulting in the most common utilization of biotin.² Over the past three years biotin sales have increased threefold and dosage of 10,000 mcg is the norm.²,³ It’s this increased usage and dosage that are causing major concerns for labs that utilize a biotin-streptavidin capture method.

BIOTIN IS IN THE NEWS
Publications like Endocrine News and CAP Today highlight concerns over biotin Endocrine with lab tests and state¹,⁴:
- Patients have been misdiagnosed and subsequently mistreated due to biotin interference
- Biotin interferes with any lab tests that use biotin-streptavidin capture methodology, including thyroid, cardiac, oncology, fertility and steroid tests
- Many patients are unaware they are utilizing biotin supplements

DO YOU KNOW YOUR LAB’S TEST METHOD?
If your immunoassay lab tests utilize a biotin-streptavidin capture method your test results can be impacted when performed on a patient who is taking biotin. Sending patients home or delaying draws is an inconvenience to the patient and the doctor, and ultimately biotin may still be in the patient’s system when retested. This option is also not viable in acute settings, where accurate results are needed immediately.

NOT ALL LAB TEST METHODS ARE THE SAME
There are test methods that eliminate bio-variability and do not utilize the biotin-streptavidin capture method. These tests use methods that coat microparticles with unique antibodies and antigens to capture the specific target. This manufacturing process ensures that the quality of the test is not compromised by bio-variation. All of the lab tests performed by the Abbott ARCHITECT follow this method and are not impacted by biotin.

YOU CAN CHOOSE TESTS NOT IMPACTED BY BIOTIN
Have confidence in your lab’s test results and remove the risk of misdiagnosis due to biotin interference… request lab tests that are preformed using diagnostic products that are not impacted by biotin, like Abbott Diagnostic products. To learn more visit abbottdiagnostics.com/biotin or contact your Abbott Sales Representative.

REFERENCES:
2. Nielsen FDM Data Ending 03/26/16.

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