



QuickVue®

Technical Bulletin

QuickVue hCG and QuickVue+ hCG Test Kits – Biotin Supplement

The adequate intake (AI) of biotin is 30 µg per day.¹ This daily AI is met in a normal/healthy adults by the absorption in the intestine from dietary sources and to a lesser extent from the biotin synthesized by naturally-occurring human intestinal flora. Biotin, a water-soluble B vitamin is not stored in the body; therefore, excess quantities are excreted in the urine via the kidneys.² Dietary biotin supplements, commonly taken by women for hair, skin and nails, may be sold independently or as a complex, with ranges from 50 µg to 10,000 µg. Biotin can be found in complexes such as women’s multivitamins, B complex multivitamins, prenatal vitamins, and any hair, skin, and nail supplement.³⁻⁵

Quidel performed testing with biotin and saw no interference with both the QuickVue and QuickVue+ hCG assays at concentrations **less than 1,000 µg**. At concentrations of 1,000 µg and higher, interference may occur with both QuickVue and QuickVue+ assays, thereby causing invalid results.

Please contact Quidel Technical Support at 800.874.1517 (in the U.S.), 858.552.1100 (outside the U.S.) or technicalsupport@quidel.com if you have any questions regarding the QuickVue hCG and QuickVue+ hCG test kits, or any Quidel product. Our hours of operation are Monday through Friday, 7:00 a.m. to 5:00 p.m. Pacific Time.

You may also visit our website at quidel.com for information on Quidel’s line of Rapid Diagnostics, Molecular Diagnostics, Cell Culture and Specialty Products (Bone Health and Autoimmune & Complement). Other product information available on our website includes: CPT codes, CLSI procedure guides, SDS, and Package Inserts.

TB1008001EN00 (08/16)

¹ National Academies: Dietary Reference Intakes (DRIs): Vitamins. April 28, 2016 (page 1).

http://www.nationalacademies.org/hmd/~/media/Files/Activity%20Files/Nutrition/DRIs/New%20Material/7_%20Nutrients%20Summary.pdf

² Fiume MZ (2001). “Final report on the safety assessment of biotin”. International Journal of Toxicology 2: 45-61 PMID 11800048 Retrieved 17 October 2014

³ Ehrlich, Steven D. “Vitamin H (Biotin).” University of Maryland Medical Center. July 16, 2013. <http://umm.edu/health/medical/altmed/supplement/vitamin-h-biotin>

⁴ Murkoff, Heidi. “Prenatal Vitamins.” *What to Expect*. Everyday Health, 21 Apr 2010. Web. 11 Jul 2016. <http://www.everydayhealth.com/pregnancy/101/prenatal-vitamins.aspx>

⁵ Jacquet, Alain MD, et al. “Effect of dietary supplementation with Inversion® femme on slimming, hair loss, and skin and nail parameters in women.” *Advances in Therapy*. Vol 24 No 5 Sept 2007. <http://link.springer.com/article/10.1007/BF02877721>