

**Biotin Interference in Certain Immunoassays performed at
Hendrick Regional Laboratory
HMC Laboratory and Satellite ED Laboratory**

Interference on testing performed at the Satellite ED Laboratory

Analyte	Immunoassay Format	Analyte Concentration	Biotin Test Level (ng/mL)				
			50	100	250	500	1200
			% Bias				
Free T3	Competitive	2.92 pg/mL	NA	2.5	20.9	293.9	Above AR
		7.79 pg/mL	NA	6.8	57.7	Above AR	Above AR
Free T4	Competitive	1.1 ng/dL	NA	-3.6	43.7	Above AR	Above AR
		3 ng/dL	6.1	13.1	90.3	Above AR	Above AR
Troponin	Sandwich	1.2 ng/mL	NA	-5.6	-26.3	-68.8	-99.0
TSH	Sandwich	0.3 µIU/mL	NA	-3.0	-10.4	-32.5	-93.6
		8 µIU/mL	NA	-3.5	-9.9	-39.9	-99.4

**Above AR = Above Assay Range

