

Patient ID SA00059284	Patient Name SAMPLEREPORT, P5NT A	Birth Date 1966-06-10	Gender F	Age 47
Order Number SA00059284	Client Order Number SA00059284	Ordering Physician Client, Client	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 23 Jun 2013 00:00		

Pyrimidine 5' Nucleotidase, B

MCR



Abnormal

Abn Pyrimidine 5-Nucleotidase (P5NT) spectral absorption curve is abnormal indicating an increase in pyrimidine nucleotides. Lead inhibits P5NT activity; therefore heavy metal testing should be performed to exclude a reversible cause, otherwise in the correct clinical context, these results are supportive of P5NT deficiency.

Clinically significant P5NT deficiency is an autosomal recessive disorder that manifests as mild to moderate hemolytic anemia. Additional features are jaundice, splenomegaly and characteristic marked basophilic stippling on the peripheral blood smear. Coincident Hb E may lead to a more severe hemolytic anemia. Heavy Metal testing is available, if desired order Heavy Metals Screen with Demographics, Blood (test 15080 HMSBD), requires new sample, whole blood.

Reviewed by Tammy Bernatz

REFERENCE VALUE

Expected result is normal

Received: 24 Jun 2013 15:51

Reported: 24 Jun 2013 15:52

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905