

Patient Name TESTINGRNV,ABNORMAL	Patient ID SA00065678	Age 28	Gender F	Order # SA00065678
Ordering Phys CLIENT,CLIENT				DOB 06/19/1985
Client Order # SA00065678	Account Information			Report Notes
Collected 02/19/2014 09:01	C7028846-DLMP Rochester SDSC 2 - Client Support Rochester, MN 55901			
Printed 03/07/2014 16:01				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Leukotriene E4, U	H	105	pg/mg Cr	<=104	MCR

RECEIVED: 02/19/2014 11:06 REPORTED: 02/19/2014 11:26

Leukotriene E(4) (LTE4) > 104 pg/mg creatinine is consistent with the diagnosis of systemic mast cell disease, in adults. The clinical sensitivity of LTE4 is 48% in patients with systemic mastocytosis. When LTE4 concentrations are combined with other biochemical markers of mast cell activation such as N-methyl histamine (NMH) and 11-beta prostaglandin F(2) alpha (BPG2) the clinical sensitivity increases to 97%. Results should be interpreted in the context of the patient's clinical condition.

Cautions: Systemic mast cell disease is a heterogeneous disorder; therefore not all patients with a diagnosis of systemic mastocytosis will exhibit abnormal LTE4 concentrations. LTE4 will be decreased in individuals on therapeutic 5-lipoxygenase inhibitors (Zileuton).

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
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Patient Name TESTINGRNV,ABNORMAL	Collection Date and Time 02/19/2014 09:01	Report Status Final
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* Report times for Mayo performed tests are CST/CDT