

Patient Name TESTINGRNV,ABNORMALREPORT	Patient ID SA00064978	Age 46	Gender F	Order # SA00064978
Ordering Phys CLIENT,CLIENT				DOB 06/15/1967
Client Order # SA00064978	Account Information			Report Notes
Collected 12/23/2013 07:00	C7028846-DLMP Rochester SDSC 2 - Client Support Rochester, MN 55901			
Printed 01/17/2014 14:31				

Test	Flag	Results	Unit	Reference Value	Perform Site*
LDL Particles NMR w/ Lipids, P					
RECEIVED: 12/24/2013 10:13 REPORTED: 12/24/2013 11:49					
LDL Particles NMR, P					
Total LDL Particle Concentration	H	2300	nmol/L	<1300	MCR
Interpretation					
Studies have shown that elevated LDL particle concentration is associated with increased risk for coronary heart disease. Increased concentrations of small LDL particles may be observed in association with the metabolic syndrome and pre-diabetes. Statins effectively reduce the number of LDL particles, but do not generally influence the size distribution of the LDL particles. Fibrates and niacin have been shown to increase LDL particle size.					
Cholesterol, Total, CDC, P	H	300	mg/dL		MCR
-- REFERENCE VALUE -- NCEP guidelines (ages 18y and up) Desirable: <200 Borderline high: 200-239 High: > or =240					
Triglycerides, CDC, P	H	320	mg/dL		MCR
-- REFERENCE VALUE -- NCEP guidelines (ages 18y and up) Normal: <150 Borderline high: 150-199 High: 200-499 Very high: > or =500					
HDL Cholesterol, CDC, P	L	20	mg/dL		MCR
-- REFERENCE VALUE -- NCEP guidelines (ages 18y and up) Low: <40 Normal: 40-59 High : > or =60					
Calculated LDL	H	216	mg/dL		MCR
Very High The markedly elevated LDL level is suggestive of familial hypercholesterolemia (FH) or another related genetic disease, familial defective apoB100 (FDB). Molecular genetic testing for FH and FDB is available through Mayo Medical Laboratories: FH/ADH Genetic Reflex Panel (test 83375). LDL cholesterol can be markedly increased in cholestatic liver disease due to the presence					

Performing Site Legend on Last Page of Report

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<p>of LpX. Family studies are recommended, including biochemical testing for lipids (total cholesterol, triglycerides, LDL cholesterol and HDL cholesterol) in family members. Please contact the laboratory at 1-800-533-1710 or the on-line test catalog at mayomedicallaboratories.com for information about how to order these tests. Further interpretation would require clinical information.</p> <p>-- REFERENCE VALUE -- NCEP guidelines (ages 18y and up) Optimal: <100 Near Optimal: 100-129 Borderline high: 130-159 High: 160-189 Very high: > or =190</p>					
Non-HDL Cholesterol	H	280	mg/dL		MCR
<p>-- REFERENCE VALUE -- NCEP guidelines Desirable: <130 Borderline high: 130-159 High: 160-189 Very high: > or =190</p>					

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
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