



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003826 F 12/05/1988

Collected: 12/04/2023 13:35

Received: 12/04/2023 13:35

Alpha-1 Antitrypsin Phenotyping

<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	<u>Ref-Ranges</u>	<u>Units</u>	<u>Site</u>
Alpha 1 Antitrypsin	150		90 - 200	mg/dL	WMRL
Phenotype	ZZ				WMRL
Interpretation	See Below				WMRL

The patient appears to be a homozygote, having a phenotype of Pi ZZ. The Z allele protein product is a deficiency variant. This phenotype is the classic alpha-1 antitrypsin deficiency state with increased risk for neonatal jaundice, adult cirrhosis and early emphysema. Serum concentrations of alpha-1 antitrypsin are approximately 15 percent of normal. Approximately 20 percent of infants and children with this phenotype will develop childhood liver disease. Over 80 percent of adults with this phenotype will develop emphysema (the mean age of onset of dyspnea is 32 years for smokers and 51 years for non-smokers). Approximately 20 percent of older adults with this phenotype develop cirrhosis. Caution in interpretation is advised if the patient has been transfused within the previous 21 days.

Performing Site:

WMRL: Warde Medical Laboratory 300 West Textile Road Ann Arbor MI 48108 (800)876-6522

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL,

F604000012

Ordered By: KAJAL V SITWALA, MD

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