

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/31/1989
Sex: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Alpha-1-Antitrypsin Phenotype (Includes Alpha-1-Antitrypsin)

ARUP test code 0080500

Alpha-1-Antitrypsin **70 mg/dL L (Ref Interval: 90-200)**
To convert to umol/L, multiply mg/dL by 0.185

A1A Phenotype

SZ

The patient appears to be a compound heterozygote, having a phenotype of Pi SZ. The S allele protein product is a deficiency variant that is associated with a less severe deficiency (approximately 60 percent of normal serum concentrations) of the alpha-1-protease inhibitor than the classic Z deficiency variant (approximately 15 percent of normal serum concentrations). The Z allele protein product is a deficiency variant. This phenotype produces serum concentrations of alpha-1-protease inhibitor between those of the SS and ZZ phenotypes. Smokers may develop impaired lung function. Cirrhosis may occur with increased frequency in adults. There is no evidence for an increased risk of childhood liver disease. Caution in interpretation is advised if the patient has been transfused within the previous 21 days.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Alpha-1-Antitrypsin	21-214-120577	8/2/2021 3:48:00 PM	8/2/2021 3:55:06 PM	8/2/2021 3:56:00 PM
A1A Phenotype	21-214-120577	8/2/2021 3:48:00 PM	8/2/2021 3:55:06 PM	8/2/2021 3:56:00 PM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 21-214-120577
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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