Lab Dept:	Chemistry
Test Name:	ALPHA-1-ANTITRYPSIN, SERUM
General Information	
Lab Order Codes:	AATB
Synonyms:	AAT, serum; A1A, serum
CPT Codes:	82103 – Alpha-1-antitrypsin; total
Test Includes:	Serum alpha-1-antitrypsin concentration in mg/dL
Logistics	
Test Indications:	Useful for workup of individuals with suspected disorders such as familial chronic obstructive lung disease.
Lab Testing Sections:	Chemistry - Sendouts
Referred to:	Mayo Medical Laboratories (MML Test: 8161/AAT)
Phone Numbers:	MIN Lab: 612-813-6280
	STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 - 2 days, test set up Monday - Saturday
Special Instructions:	N/A
Specimen	
Specimen Type:	Blood
Container:	SST (Gold, marble or red) tube
Draw Volume:	3 mL (Minimum: 1.5 mL) blood
Processed Volume:	1 mL (Minimum: 0.5 mL) serum
Collection:	Routine venipuncture

Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw- capped plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Specimens other than serum; mislabeled or unlabeled specimens; gross hemolysis; gross lipemia
Interpretive	
Reference Range:	100 - 190 mg/dL
Critical Values:	N/A
Limitations:	Low Alpha-1-antitrypsin (A1A) levels may result from liver disease, and A1A genotyping should be done to confirm A1A deficiency disease.
	A1A is an acute phase reactant and any inflammatory process will elevate serum A1A levels.
Methodology:	Nephelometry
References:	Mayo Medical Laboratories Web Page November 2017
Updates:	11/8/2017: Collection container update.