



Excellence in Pathology Services

Test Update

From Your Laboratory Service Provider, PathGroup Labs

Testing Provided on Site for α -1-Antitrypsin

Samuel Smith, MD Lab Director / Jeff Johnson, AVP of Operations

This additional testing will be available May 23, 2011

Overview and Clinical Utility:

Effective May 23, 2011 PathGroup Labs will begin performing α -1-Antitrypsin. α -1-Antitrypsin is an acute phase reactant protein whose serum concentrations rise significantly during acute inflammation due to causes including surgery, myocardial infarction, infections and tumors. An inherited deficiency in this protein is associated with lung and liver disease and is used in the diagnosis of cirrhosis of the liver. Low levels of α -1-Antitrypsin are found in neonatal respiratory distress syndrome, in severe protein losing disorders, and in congenital deficiency.

Test Methodology: The Beckman Coulter assay uses an immunoturbidimetric assay for the quantitative determination of α -1-Antitrypsin in human serum.

Ordering:

Test code:	Test:	CPT:	LOINC:
AAT	α -1-Antitrypsin	82103	T00365

Reference interval α -1-Antitrypsin:

New Methodology:	Previous Methodology:
Immunoturbidimetric	Immunoturbidimetric
84 - 218	100 - 200
Units: mg/dL	Units: mg/dL

Specimen Collection and Storage:

- 1) Collect specimen in a serum separator tube.
 - a) Allow serum tube to clot for 30 minutes.
 - b) Spin serum separator tube 10-15 minutes @ 3500 rpm.
- 2) Serum specimens are stable refrigerated for 7 days or frozen for 2 months.

Test Performed:

Sunday – Saturday

Turnaround time:

24 hours

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227.