

PREALBUMIN, SERUM

Orderable - PALB

Turnaround Time: 4 hours

STAT: 1 hour

Alternate Name(s):

Transthyretin
PAB

Specimen:

Adult	Pediatric
5 mL Gold top Vacutainer tube	0-2 years: 0.5 mL Gold top Microtainer 2-10 years: 3 mL Gold top Vacutainer tube
Serum from a 5 mL Gold top or 6 mL Red top is also acceptable.	

Collection Information:

Collect blood aseptically in a Vacutainer tube.

Avoid hemolysis.

Reference Ranges:

Age	Range
0-<15 days:	0.00-0.11 g/L
15 days-<1 year	0.04-0.24 g/L
1-<5 years:	0.11-0.23 g/L
5-<13 years:	0.13-0.26 g/L
13-<16 years	0.17-0.31 g/L
16 years-<19 years:	0.16-0.33 g/L (Female)
16 years-<19 years:	0.20-0.35 g/L (Male)
Adult:	0.2-0.4 g/L



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Turbidimetry



Test Schedule:
Daily

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Interpretive Comments:

Prealbumin is a transport protein for thyroxin synthesized in the liver. It has a half-life of 2 days, much shorter than that of albumin. PAB is therefore a sensitive marker of nutritional status.

Serum concentrations of PAB are not significantly affected by hydration status as is albumin. Like albumin, PAB is a negative acute phase reactant and its serum concentration decreases in inflammation, malignancy, liver cirrhosis and protein-losing diseases of the gut or kidneys.

Comments:

This test is used as a nutritional marker.

Turbidimetric assays not suitable for measurement of highly lipemic or hemolytic samples or samples containing high levels of circulating immune complexes. Intralipid causes artificially high prealbumin results.

Storage and Shipment:

Specimen is stable for 6 months refrigerated or 1 year frozen at -20°C.