

Overview

Method Name  
Microbiological Assay

NY State Available  
No

Specimen

Specimen Type  
Serum SST

Specimen Required  
Specimen Type: Serum  
Container/Tube: SST  
Specimen Volume: 2 mL  
Collection Instructions: Draw blood in SST (serum separator tube). Allow sample to clot for 30 minutes at room temperature. Spin down and send 1 mL serum frozen in an amber vial (T915) **to protect from light.**

Specimen Minimum Volume  
0.5 mL

Reject Due To

Gross hemolysis:	Reject
Thawing:	Warm Reject; Cold OK
Gross lipemia:	Reject
List other reasons for rejection:	Reject specimens containing particulate matter or microbial contamination. Specimens unprotected from light.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum SST	Frozen (preferred)	21 days	LIGHT PROTECTED
	Refrigerated	7 days	LIGHT PROTECTED

Clinical & Interpretive

### Clinical Information

Pantothenic acid, commonly known as vitamin B5, is a water-soluble vitamin. As part of acetyl CoA or an acyl carrier protein, pantothenic acid plays an essential role in metabolic pathways. It functions in the oxidation of both fatty acids and carbohydrates for energy production in the form of A TP. Vitamin B5 also participates in the synthesis of amino acids, fatty acids, ketones, cholesterol, phospholipids, and steroids. Additionally, vitamin B5 contributes to porphyrin and hemoglobin biochemistry and in adrenal function. Pantothenic acid deficiency is exceedingly rare, mostly affecting individuals who are severely malnourished. Those who lack an adequate amount of vitamin B5 may demonstrate symptoms such as paresthesias, muscle weakness, fatigue, nausea, abdominal pains and susceptibility to infection.

### Reference Values

Adult Reference Range

>10 Years                    37-147 ug/L

Pediatric Reference Range

< or =1 Year                3.45 to 825 ug/L

>1 year to 10 Years       3.45 to 229.2 ug/L

### Performance

#### PDF Report

No

#### Day(s) Performed

Monday

#### Report Available

4 to 18 days

#### Performing Laboratory Location

BioAgilytix Diagnostics

### Fees & Codes

#### Fees

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

### Test Classification

The performance characteristics of the listed assay was validated by BioAgilytix Diagnostics. The US FDA has not approved or cleared this test. The results of this assay can be used for clinical diagnosis without FDA approval. BioAgilytix Diagnostics is a CLIA certified, CAP accredited laboratory for performing high complexity assays such as this one.

CPT Code Information

84591

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FPAB	Pantothenic Acid (B-5) Bioassay	2722-7

Result ID	Test Result Name	Result LOINC® Value
FPAB	Pantothenic Acid (B-5) Bioassay	2722-7