

## Overview

### Useful For

Confirming the diagnosis of carotenoderma

Detecting fat malabsorption

Depressed carotene levels may be found in cases of steatorrhea.

### Method Name

High-pressure liquid chromatography (HPLC)

### NY State Available

Yes

## Specimen

### Specimen Type

Serum

### Specimen Required

#### Patient Preparation:

1. **Patient must be fasting overnight (12 hours).** Blood should be collected before breakfast in the morning and prior to any medication.
2. Patient **must not** consume any alcohol for 24 hours before specimen collection.
3. For patients younger than six months, draw prior to their next feeding.

**Supplies:** Amber Frosted Tube, 5 mL (T915)

#### Collection Container/Tube:

**Preferred:** Serum gel

**Acceptable:** Red top

**Submission Container/Tube:** Amber vial

**Specimen Volume:** 0.7 mL

#### Collection Instructions:

1. Draw blood in a serum gel tube or plain red-top tube.
2. Within 1 hour of collection, centrifuge and aliquot 0.7 mL of serum into an amber vial to protect from light.
3. Ship ambient

### Specimen Minimum Volume

0.4 mL; Note: This volume does not allow for repeat testing.

### Reject Due To

Hemolysis:	Reject
Thawing:	Cold OK; Warm OK
Specimen not protected from light Specimen other than serum	Reject

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Ambient (preferred)	14 days	LIGHT PROTECTED
	Refrigerated	14 days	LIGHT PROTECTED
	Frozen	14 days	LIGHT PROTECTED

Clinical & Interpretive

Reference Values

3-91 ug/dL

Interpretation

High levels are useful to rule out steatorrhea but lower values lack specificity. There is poor sensitivity. High levels are found in the serum of individuals ingesting large amounts of vegetables.

Performance

PDF Report

No

Day(s) Performed

Monday, Wednesday, Friday

Report Available

5 to 10 days

Performing Laboratory Location

LabCorp Burlington

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](#).

CPT Code Information

82380

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FCATB	Carotene, Beta	2053-7

Result ID	Test Result Name	Result LOINC® Value
FCATB	Carotene, Beta	2053-7