

Vitamin B3 and Metabolites, Plasma

Test ID: VITB3

Useful for:

Assisting in the diagnosis of suspected vitamin B3 deficiency or toxicity

May be useful in determining response to therapy

Methods:

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

Reference Values:

Nicotinic Acid (Niacin) Cutoff: <5.0 ng/mL

Nicotinamide: 5.0-48.0 ng/mL

Nicotinuric Acid Cutoff: <5.0 ng/mL

Specimen Requirements:

Patient Preparation: Fasting 4 to 8 hours preferred

Preferred: Lavender top (K2 EDTA)

Acceptable: K3 EDTA

Submission Container/Tube: Plastic Vial

Specimen Volume: 1.5 mL

Collection Instructions: Centrifuge and aliquot plasma into a plastic vial 2 hours of collection.

Minimum Volume: 0.75 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma EDTA	Refrigerated (preferred)	28 days

	Ambient	21 days
	Frozen	28 days

Cautions:

Testing of nonfasting specimens can result in elevated plasma vitamin B3 concentrations, particularly in patients with dietary supplement use or patients on niacin treatment.

CPT Code:

84591

Day(s) Performed: Tuesday, 3 p.m. **Report Available:** 2 to 9 days

Note:

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Vitamin B3 Niacin in Plasma	FNIAC	FNIAC	BIOAGILYTIX DIAGNOSTICS

Questions

Contact Joshua Yang, Laboratory Technologist Resource Coordinator at 800-533-1710.