



Notice: The Reference Values have been updated, as indicated below.

5-Hydroxyindoleacetic Acid, Plasma

Test ID: HIAAP

Useful for:

Biochemical diagnosis and monitoring of intestinal carcinoid syndrome using a plasma specimen.

Ordering Guidance:

This test quantifies 5-hydroxyindoleacetic acid in plasma specimens and is comparable to testing on 24-hour and random urine specimens for the diagnosis and monitoring of intestinal carcinoid syndrome.

Methods:

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

Reference Values:

~~< or =30 days: < or =100 ng/mL~~

~~>30 days: < or =30 ng/mL~~

< or =6 months: < or =130 ng/mL

>6 months: < or =30 ng/mL

Specimen Requirements:

Preferred:	Green top (sodium heparin)
Acceptable:	Lavender top (EDTA)
Specimen Volume:	0.5 mL
Collection Instructions:	1. Centrifuge at 4 degrees C. 2. Aliquot plasma into plastic vial. 3. Send plasma frozen.
Minimum Volume:	0.2 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma	Frozen (preferred)	60 days
	Refrigerated	72 hours

Cautions:

Intake of food with a high content of serotonin (avocados, dates, eggplant, all fruit [including bananas, cantaloupe, grapefruit, kiwifruit, melons, pineapple, plantains, plums], all nuts [including walnuts, hickory nuts, butternuts, pecans], and tomatoes and tomato products) within 24 hours of the plasma collection could result in falsely elevated 5-hydroxyindoleacetic acid (5-HIAA) excretion.

Numerous drugs affect the excretion of 5-HIAA by different mechanisms, including increased serotonin synthesis, metabolism, and release and inhibition of uptake. The following medications can interfere with 5-HIAA results.

-Acetaminophen (Tylenol or generic versions)

-Tryptophan containing supplements

CPT Code:

83497

Day(s) Performed: Monday, Wednesday, Friday **Report Available:** 3 to 6 days

Note:

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

Test Name	Test ID	Referral Lab Code	Referral Lab
5-HIAA (5-Hydroxyindoleacetic acid), Plasma	FHIAA	75515	Inter Science Institute

Questions

Contact Melissa Tricker-Klar, Laboratory Resource Coordinator at 800-533-1710.