

**Reporting Title:** Serotonin, S**Performing Location:** Rochester**Additional Testing Requirements:**

First-line testing for the diagnosis of carcinoid tumors with symptoms suggestive of carcinoid syndrome consists of urinary serotonin (SERU / Serotonin, 24 Hour, Urine), urinary 5-HIAA (HIAA / 5-Hydroxyindoleacetic Acid [5-HIAA], 24 Hour, Urine), and serum chromogranin A (CGAK / Chromogranin A, Serum).

**Specimen Requirements:**

Patient Preparation:

1. Patients should not eat avocados, bananas, butternuts, cantaloupe, dates, eggplant, grapefruit, hickory nuts, honeydew melon, kiwifruit, melon, nuts, pecans, pineapple, plantains, plums, tomatoes, or walnuts, which are high in serotonin for 48 hours before and during collection.
2. Patient should discontinue medications that may elevate urine serotonin concentration including lithium, monoamine oxidase-inhibitors, methyldopa, morphine, and reserpine. Patient should discontinue use of selective serotonin reuptake inhibitors (SSRI; eg, PROZAC) that can lead to depletion of platelet serotonin levels and result in false-negative urine serotonin tests.

Collection Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Submission Container/Tube: Plastic vial

Specimen Volume: 2.5 mL

Collection Instructions: Centrifuge as soon as blood has clotted and aliquot into plastic vial.

**Specimen Minimum Volume:**

1.1 mL

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	21 days	
	Frozen	90 days	
	Ambient	4 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
84395	Serotonin, S	Numeric	ng/mL	27057-9

LOINC and CPT codes are provided by the performing laboratory.

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**Supplemental Report:**

No

**CPT Code Information:**

84260

**Reference Values:**

< or =230 ng/mL