

Reporting Title: Serotonin, 24 Hr, U
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 (this test), urinary 5-HIAA (HIAA / 5-Hydroxyindoleacetic Acid [5-HIAA], 24 Hour, Urine), and serum chromogranin A (CGAK / Chromogranin A, Serum).

Necessary Information:
24-Hour volume (in milliliters) is required.

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 also 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.
3. Patient should avoid heavy nicotine consumption during the 24-hour collection period.

Supplies: Urine Tubes, 10mL (T068)
Container/Tube: Plastic, 10-mL urine tube
Specimen Volume: 5 mL

Collection Instructions:
1. Add 25 mL of 50% acetic acid as preservative at start of collection.
2. Collect urine for 24-hours.
3. Refrigerate specimen during collection.

Additional Information: See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) for multiple collections.

Forms:
[If not ordering electronically, complete, print, and send an Oncology Test Request](#) (T729) with the specimen.

Urine Preservative Collection Options:

Note: The addition of preservative must occur prior to beginning the collection.

Ambient	OK
Refrigerate	Preferred
Frozen	OK
50% Acetic Acid	Preferred
Boric Acid	No
Diazolidinyl Urea	No
6M Hydrochloric Acid	No
6M Nitric Acid	OK
Sodium Carbonate	No
Thymol	No

Toluene	OK
---------	----

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	28 days	
	Frozen	28 days	
	Ambient	48 hours	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
SERU	TM80	Collection Duration	Plain Text	Yes
SERU	VL67	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
26603	Serotonin, 24 Hr, U	Alphanumeric	mcg/24 h	18253-5
TM80	Collection Duration	Alphanumeric		13362-9
VL67	Urine Volume	Alphanumeric		3167-4

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

84260

Reference Values:

< or =210 mcg/24 hours

Reference values apply to all ages.