

---

**Reporting Title:** 5-Hydroxyindoleacetic Acid, U**Performing Location:** Rochester**Ordering Guidance:**

This test is the preferred test for measurement of 5-hydroxyindoleacetic acid concentrations. If a random urine collection is preferred, order HIAAR / 5-Hydroxyindoleacetic Acid, Random, Urine.

**Necessary Information:**

1. Collection duration and urine volume in milliliters are required.
2. Patient's age and sex are required.

**Specimen Requirements:**

Patient Preparation:

1. Some medications could interfere with test results. The ordering provider should decide if any medications should be stopped and when they should be restarted. If clinically feasible, discontinue the following medications at least 48 hours prior to, as well as during, specimen collection:

-Acetaminophen (Tylenol or generic versions)

-Tryptophan containing supplements

2. For 48 hours prior to, as well as during, the urine collection, the patient should:

Limit the following to one serving per day:

-Fruits

-Vegetables

-Nuts

-Caffeinated beverages or foods

Supplies: Urine Tubes, 10 mL (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. Use 15 mL of 50% acetic acid for children <5 years old.

2. Collect a 24-hour urine specimen.

Additional Information: See Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens for multiple collections.

**Specimen Minimum Volume:**

1 mL

**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 (no additive) No

Refrigerate (no additive) OK

Frozen (no additive) OK

50% Acetic Acid Preferred

Boric Acid OK

Diazolidinyl Urea No

6M Hydrochloric Acid OK

6M Nitric Acid OK

Sodium Carbonate OK

Thymol OK

Toluene OK

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	56 days	
	Frozen	365 days	

**Ask at Order Entry (AOE) Questions:**

Test ID	Question ID	Description	Type	Reportable
HIAA	TM35	Collection Duration	Plain Text	Yes
HIAA	VL33	Urine Volume	Plain Text	Yes

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
9248	5-Hydroxyindoleacetic Acid, U	Alphanumeric	mg/24 h	1695-6
TM35	Collection Duration	Alphanumeric		13362-9
VL33	Urine Volume	Alphanumeric		3167-4

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

83497

## Reference Values:

Age	5-HIAA, mg/24 hour 99th percentile cutoff	
	Female	Male
< or =23 months	< or =2.7	< or =2.3
24-35 months	< or =3.0	< or =2.6
3 years	< or =3.2	< or =2.9
4 years	< or =3.4	< or =3.2
5 years	< or =3.6	< or =3.6
6 years	< or =3.8	< or =3.9
7 years	< or =4.0	< or =4.2
8 years	< or =4.2	< or =4.5
9 years	< or =4.5	< or =4.8
10 years	< or =4.7	< or =5.1
11 years	< or =4.9	< or =5.3
12 years	< or =5.2	< or =5.6
13 years	< or =5.4	< or =5.8
14 years	< or =5.6	< or =6.1
15 years	< or =5.7	< or =6.3
16 years	< or =5.9	< or =6.4
17 years	< or =6.0	< or =6.6
18 years	< or =6.0	< or =6.7
19 years	< or =6.1	< or =6.8
20 years	< or =6.1	< or =6.9
21 years	< or =6.2	< or =6.9
22 years	< or =6.2	< or =7.0
23 years	< or =6.2	< or =7.0
24 years	< or =6.3	< or =7.1
25 years	< or =6.3	< or =7.2
26 years	< or =6.3	< or =7.2
27 years	< or =6.4	< or =7.3

28 years	< or =6.4	< or =7.4
29 years	< or =6.5	< or =7.5
30 years	< or =6.6	< or =7.5
31 years	< or =6.6	< or =7.6
32 years	< or =6.7	< or =7.7
33 years	< or =6.8	< or =7.7
34 years	< or =6.8	< or =7.8
35 years	< or =6.9	< or =7.9
36 years	< or =6.9	< or =7.9
37 years	< or =7.0	< or =8.0
38 years	< or =7.0	< or =8.1
39 years	< or =7.0	< or =8.2
40 years	< or =7.1	< or =8.2
41 years	< or =7.1	< or =8.3
42 years	< or =7.2	< or =8.4
43 years	< or =7.3	< or =8.5
44 years	< or =7.4	< or =8.6
45 years	< or =7.4	< or =8.7
46 years	< or =7.5	< or =8.8
47 years	< or =7.6	< or =8.9
48 years	< or =7.6	< or =9.0
49 years	< or =7.7	< or =9.1
50 years	< or =7.7	< or =9.2
51 years	< or =7.8	< or =9.3
52 years	< or =7.8	< or =9.4
53 years	< or =7.9	< or =9.5
54 years	< or =8.0	< or =9.6
55 years	< or =8.1	< or =9.7
56 years	< or =8.1	< or =9.7
57 years	< or =8.2	< or =9.8
58 years	< or =8.3	< or =9.8
59 years	< or =8.3	< or =9.8

60 years	< or =8.3	< or =9.9
61 years	< or =8.3	< or =9.9
62 years	< or =8.4	< or =9.9
63 years	< or =8.4	< or =10.0
64 years	< or =8.4	< or =10.0
65 years	< or =8.4	< or =10.0
66 years	< or =8.5	< or =10.1
67 years	< or =8.5	< or =10.1
68 years	< or =8.5	< or =10.1
69 years	< or =8.5	< or =10.2
70 years	< or =8.5	< or =10.2
71 years	< or =8.6	< or =10.2
72 years	< or =8.6	< or =10.2
73 years	< or =8.5	< or =10.1
74 years	< or =8.5	< or =10.1
75 years	< or =8.6	< or =10.1
76 years	< or =8.6	< or =10.0
77 years	< or =8.6	< or =10.0
78 years	< or =8.6	< or =10.0
79 years	< or =8.6	< or =10.0
80 years	< or =8.7	< or =9.9
81 years	< or =8.7	< or =9.9
82 years	< or =8.7	< or =9.9
83 years	< or =8.7	< or =9.9
84 years	< or =8.7	< or =9.9
85 years	< or =8.6	< or =9.8
86 years	< or =8.5	< or =9.8
87 years	< or =8.4	< or =9.7
88 years	< or =8.3	< or =9.7
89 years	< or =8.1	< or =9.5
90 years	< or =7.9	< or =9.4
91 years	< or =7.6	< or =9.2

---

92 years	< or =7.4	< or =9.0
93 years	< or =7.1	< or =8.8
94 years	< or =7.0	< or =8.7
= 95 years	< or =6.9	< or =8.6

For SI unit Reference Values, see [www.mayocliniclabs.com/order-tests/si-unit-conversion.html](http://www.mayocliniclabs.com/order-tests/si-unit-conversion.html)