

Reporting Title: N-Methylhistamine, 24 Hr, U

Performing Location: Rochester

Ordering Guidance:

Random urine collections are preferred for patients with episodic symptoms, for example in the context of allergic reactions, brought on by specific environmental factors; order NMHR / N-Methylhistamine, Random, Urine.

[If the total volume provided is less than 300 mL, this test will be canceled and NMHR ordered and performed.](#)

Necessary Information:

Specimen volume (in milliliters) and duration are required.

Specimen Requirements:

Patient Preparation: Patient must not be taking monoamine oxidase inhibitors (MAOIs) or aminoguanidine as these medications increase N-methylhistamine (NMH) levels.

Supplies: Sarstedt 5 mL Aliquot Tube (T914)

Container/Tube: Plastic, 5-mL tube

Specimen Volume: 5 mL

Collection Instructions:

- 1. Collect urine for 24 hours.
- 2. No preservative.
- 3. Aliquot into plastic tube and send at refrigerate temperature.

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

Urine Preservative Collection Options:

Note: The addition of preservative or application of temperature controls **must occur within 4 hours of completion** of the collection.

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

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	28 days	
	Frozen	28 days	
	Ambient	14 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CRT24	TM10	Collection Duration	Plain Text	Yes
CRT24	VL8	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TM10	Collection Duration	Numeric	h	13362-9
VL8	Urine Volume	Numeric	mL	3167-4
CR_A	Creatinine, 24 HR, U	Numeric	mg/24 h	2162-6
CR_24	Creatinine Concentration, 24 HR, U	Numeric	mg/dL	20624-3
605159	N-Methylhistamine, 24 Hr	Alphanumeric	mcg/g Cr	44340-8

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

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
NMH1D	N-Methylhistamine, 24 Hr, U	1	82542	Yes	No
CRT24	Creatinine, 24 HR, U			Yes	No

CPT Code Information:

82542

Reference Values:

N-METHYLHISTAMINE

0-5 years: 120-510 mcg/g creatinine

6-16 years: 70-330 mcg/g creatinine

>16 years: 30-200 mcg/g creatinine

CREATININE

Males: 930-2955 mg/24 hours

Females: 603-1783 mg/24 hours

Reference values have not been established for patients who are younger than 18 years of age.

For SI unit Reference Values, see www.mayocliniclabs.com/order-tests/si-unit-conversion.html