

Patient Name : Mr MR.DUMMY	Sample Collected : Apr 26, 2024, 01:00 PM
DOB/Age/Gender : 23 Y/Male	Report Date : May 25, 2024, 10:56 AM.
Patient ID / UHID : 8052823/RCL7249445	Barcode No : ZC675879
Referred By : Dr. X	Report Status : Final Report
Sample Type : 24 hours urine	

Test Description	Value(s)	Unit(s)	Reference Range
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Metanephrine, 24 Hrs Urine

Metanephrine in urine	100	ug/L	
Urine volume in 24 hours	1200	ML	
Metanephrine, urine per day	10	µg/24 hrs	<350
Metanephrines Creatinine Ratio	42	ug/g	33 - 109

Interpretation:

- Metanephrines & Normetanephrines are metabolites of catecholamines(epinephrine & norepinephrine). Catecholamine are important hormones in blood pressure regulation & produced mainly by the adrenal medulla & sympathetic ganglia. They are released in small fluctuating quantities in both the blood and urine.
- Smaller increases in metanephrine and/or normetanephrine concentrations (less than two times the upper reference limit) usually are the result of physiological stimuli, drugs, or prolonged systemic illness, ingestion of coffee ,tobacco,tea, alcohol, drugs like acetoaminophen. Essential hypertension is often associated with slight elevations (metanephrine less than 700 µg/d and normetanephrine less than 900 µg/d).
- Significant elevation of one or both metanephrines (three or more times the upper reference limit) is associated with an increased probability of a neuroendocrine tumor(phaechromocytoma, neuroblastoma).
- Ratios to creatinine are useful for correct evaluations, especially in the following conditions- like paediatric or elderly patients with a random or a timed collection of less than 20 hours or a collection with total urine volume less than 400 mL. The ratios have also been shown to have better specificity & positive predictive value over 24 hr metanephrine/normetanephrine excretion values.

Reference :

Tigis Deboch etal, Indexing of Urinary Catecholamines and Metanephrines by Urinary Creatinine levels in the diagnosis of Phaeochromocytoma; Trends in Medical Research 1 (2): 113 – 121, 2006; • Eric Pussard etal , Reference intervals for urinary catecholamines and metabolites from birth to adulthood , Clinical Biochemistry 42 (2009) 536 – 539.

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



Dr. Dummy



Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
 Processing Lab :-

📞 928-909-0609

✉ ccsupport@redcliffelabs.com

🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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