LABORATORY REPORT

Redcliffe labs

Patient Name	:	Bill Date	:
DOB/Age/Gender	:	Sample Collected	:
Patient ID / UHID	:	Sample Received	:
Referred By	:	Report Date	:
Sample Type	:	Barcode No	:
Client	:	Report Status	:

BIOCHEMISTRY REPORT

Catecholamines, 24 Hr Urine

CATECHOLAMINES FRACTIONATED, 24 HOUR URINE
(LCMS/MS)

Test Name	Results	Units	Bio. Ref. Interval
Epinephrine	**0.23**	µg/24 hrs	4.00 - 20.00
Norepinephrine	33.01	µg/24 hrs	23.00 - 105.00
Dopamine	254.52	µg/24 hrs	62.00 - 444.00
Total Volume	2520	ML	

Note

1. It is recommended that initial biochemical testing for Pheochromocytoma and Paraganglioma should include measurements of plasma free metanephrines or urinary fractionated metanephrines using LC-MS/MS or HPLC with ECD.
2. Many environmental factors such as noise, stress, discomfort, body position, and the consumption of food, caffeinated beverages, nicotine and certain drugs like MAO inhibitors, Catecholamine reuptake inhibitors etc may increase endogenous catecholamine production.

Comment

Catecholamines are important neurotransmitters in Central Nervous System and play a crucial role in autonomic regulation of many homeostatic functions. The circulating fraction of catecholamines is derived almost exclusively from Adrenal medulla with small contribution from sympathetic ganglia. Their levels increase rapidly in response to changes in posture, environmental temperature, physical and emotional stress, hypovolemia, hypotension, hypoglycemia and exercise. Urine catecholamine levels are elevated in Pheochromocytoma and Paraganglioma.

Uses

· As an auxillary test to fractionated plasma and urine metanephrine measurements in the diagnosis of Pheochromocytoma and Paraganglioma
· As an auxillary test to urine VMA & HVA in the diagnosis and follow up of patients with Neuroblastoma and related tumors

NOTE- **This test is processed and validated at the partner lab of Redcliffe Labs.

Sohini Sengupta
Dr. Sohini Sengupta
MD (Cl Biochemistry), DNB,
FNB (Lab Medicine)
Medical Laboratory Director
HOD (Biochemistry & Special Assays)

Terms and Conditions of Reporting

1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.

2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.

3. It is to be noted that variations in results may occur between different laboratories and over time, even for the same parameter for the same Customer. The assays are performed and conducted in accordance with standard procedures, and the reported outcomes are contingent on the specific individual assay methods and equipment(s) used, as well as the quality of the received specimen.

4. This report shall not be deemed valid or admissible for any medico-legal purposes.

5. The Customers assume full responsibility for apprising the Company of any factors that may impact the test finding. These factors, among others, includes dietary intake, alcohol, or medication / drug(s) consumption, or fasting. This list of factors is only representative and not exhaustive.