
MEMORANDUM

To : All Laboratory Users

From : Department of Laboratory Medicine

Date : 20 November 2024

Re : **Update/New Test:** Plasma Free Metanephrines and 3-Methoxytyramine

Dear Users of Laboratory Medicine,

Please be informed that the following two tests will be introduced into service in Clinical Chemistry from 26 November 2024, 6pm:

Service Code	EAP	Test Name
33421	LAB2402	Metanephrines, Fractionated, Free, Plasma
33421	LAB3053549	3-Methoxytyramine, Free, Plasma

Both tests are useful in screening for the presumptive diagnosis of catecholamine-secreting pheochromocytomas or paragangliomas. Prior to specimen collection, patient should be relaxed in a seated or supine position 30 minutes before blood is drawn. Overnight fasting is preferred, patient should avoid caffeine/nicotine/alcohol and strenuous exercise 12 hours prior to blood draw.

Please refer to the table below for updates to Metanephrines, Fractionated, Free, Plasma test.

Test Name	Current	New
Components	Normetanephrine, Free Metanephrine, Free	Normetanephrine, Free Metanephrine, Free
Service code	36753	33421
Specimen Requirements	Purple top (EDTA plasma)	Purple top (EDTA plasma)
Methodology	Liquid Chromatography Tandem Mass Spectrometry	Liquid Chromatography Tandem Mass Spectrometry
Testing Days	Monday to Saturday	Monday and Thursday
Expected TAT	5 to 8 days (inclusive of transit time)	3 to 9 days
Reporting Units	nmol/L	pmol/L
Reference Intervals	Metanephrine \leq 0.5 nmol/L Normetanephrine \leq 0.9 nmol/L	Metanephrine \leq 510 pmol/L Normetanephrine \leq 1180 pmol/L
Performing Laboratory	Mayo Clinic Laboratories	NUH Laboratory Medicine

Please refer to the table below for information on the new 3-Methoxytyramine, Free, Plasma test.

Test Name	3-Methoxytyramine, Free, Plasma
Components	3-Methoxytyramine, Free
Service code	33421
Specimen Requirements	Purple top (EDTA plasma)
Methodology	Liquid Chromatography Tandem Mass Spectrometry
Testing Days	Monday and Thursday
Expected TAT	3 to 9 days
Reporting Units	pmol/L
Reference Intervals	3-Methoxytyramine: ≤ 60 pmol/L
Performing Laboratory	NUH Laboratory Medicine

Please contact the laboratory staff at 67728489 for further enquiries.

Yours sincerely

A/Prof Sunil Sethi
Head, Clinical Chemistry
Department of Laboratory Medicine