

Urine Catecholamines, Metanephrines, Vanillylmandelic Acid, Homovanillic Acid, and 5-Hydroxyindoleacetic Acid to be sent to Reference Laboratories

Effective Date: April 4, 2017

Effective April 4, 2017, Beaumont Laboratory will no longer perform Urine Catecholamines (epinephrine, norepinephrine, dopamine), Metanephrines (metanephrine, normetanephrine, Vanillylmandelic Acid (VMA), Homovanillic Acid (HVA), and 5-Hydroxyindoleacetic Acid (5HIAA). These tests will be referred to Warde Medical Laboratory or ARUP Laboratories as outlined below. The test names will remain the same, but test codes will change. The new test codes are given below, along with critical information on testing requirements. Additional details on test performance and reference intervals can be found in the Beaumont Laboratory Test Directory or by report.

Tests to be sent to Warde Medical Laboratory:

[CATECHOLAMINES, FRACTIONATED, URINE - 24 HOUR](#)

Patient Preparation: *Medications that may interfere include amphetamines and amphetamine-like compounds, appetite suppressants, bromocriptine, buspirone, caffeine, carbidopa-levopa (Sinemet®), clonidine, dexamethasone, diuretics, ethanol, isoproterenol, methyl dopa (Aldomet®), MAO inhibitors, nicotine, nose drops, propafenone (Rythmol®), reserpine, theophylline, tricyclic antidepressants, and vasodilators.*

Current SOFT test code: CAT24; **New SOFT test code: XCT24**

Current EPIC test code: LAB5851; **New EPIC test code: LAB7062**

Sample: Acidified (6N HCl) 24-hour collection (no change)

Stability: Ambient Unacceptable; **7 days (refrigerated); 1 month (frozen)**

[METANEPHRINES, FRACTIONATED, URINE - 24 HOUR](#)

Patient Preparation: *Medications that may interfere include amphetamines and amphetamine-like compounds, appetite suppressants, bromocriptine, buspirone, caffeine, carbidopa-levopa (Sinemet®), clonidine, dexamethasone, diuretics, ethanol, isoproterenol, methyl dopa (Aldomet®), MAO inhibitors, nicotine, nose drops, propafenone (Rythmol®), reserpine, theophylline, tricyclic antidepressants, and vasodilators.*

Current SOFT test code: MET24; **New SOFT test code: XMT24**

Current EPIC test code: LAB5870; **New EPIC test code: LAB7064**

Sample: Acidified (6N HCl) 24-hour collection (no change).

Stability: Ambient Unacceptable; **7 days (refrigerated or frozen)**

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[VANILLYLMANDELIC ACID \(VMA\) – URINE - 24 HOUR](#)

Current SOFT test code: VMA24; **New SOFT test code: XVM24**

Current EPIC test code: LAB5881; **New EPIC test code: LAB7066**

Sample: Acidified (6N HCl) 24-hour collection (no change)

Stability: Ambient Unacceptable; **7 days (refrigerated); 1 month (frozen)**

[5-HYDROXYINDOLE ACETIC ACID, URINE - 24 HOUR](#)

Patient Preparation: *Patients should not eat avocados, bananas, butternuts, cantaloupe, dates, eggplant, grapefruit, hickory nuts, honeydew, kiwi fruit, melons, nuts, pecans, pineapple, plums, tomatoes, or walnuts for a 48 hour period prior to start and duration of collection as this could result in falsely elevated 5-HIAA excretion. Medications affecting metabolism of serotonin must be avoided at least 72 hours before and during collection. Patients should also avoid coffee, tea, and tobacco.*

Current SOFT test code: HIA24; **New SOFT test code: XHI24**

Current EPIC test code: LAB5866; **New EPIC test code: LAB7068**

Sample: Acidified (6N HCl) 24-hour collection (no change)

Stability: Ambient Unacceptable; **7 days (refrigerated); 1 month (frozen)**

Tests to be sent to ARUP Laboratories:

[Homovanillic Acid \(HVA\), Urine \(24-hour\)](#)

Patient Preparation: *Abstain from medications for 72 hours prior to collection. Medications that may interfere include amphetamines and amphetamine-like compounds, appetite suppressants, bromocriptine, buspirone, caffeine, chlorpromazine, clonidine, disulfiram, diuretics (in doses sufficient to deplete sodium), epinephrine, glucagon, guanethidine, histamine, hydrazine derivatives, imipramine, levodopa (L-dopa, Sinemet®), lithium, MAO inhibitors, melatonin, methyl dopa (Aldomet®), morphine, nitroglycerin, nose drops, propafenone (Rythmol®), radiographic agents, rauwolfia alkaloids (Reserpine®), and vasodilators. The effects of some drugs on catecholamine metabolite results may not be predictable.*

Current SOFT test code: HVA24; **New SOFT test code: XHVA**

Current EPIC test code: LAB5864; **New EPIC test code: LAB7061**

Sample: 24-hour collection. **No preservative required, but acidified urine acceptable.**

Stability Ambient Unacceptable; **7 days (refrigerated); 14 days (frozen).**

Beaumont Laboratory

Customer Service

1-800-551-0488

28050 Grand River Ave.
Farmington Hills, MI 48336

468 Cadieux Road
Grosse Pointe, MI 48230

3601 West 13 Mile Road
Royal Oak, MI 48073

44201 Dequindre Road
Troy, MI 48085

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The random* (unpreserved, refrigerated) urine collections listed below will be referred to ARUP Laboratories.

[Catecholamines Fractionated by LC-MS/MS, Urine Free](#)

Current SOFT test code: CATUR; **New SOFT test code: XCATR**
Current EPIC test code: LAB5850; **New EPIC test code: LAB7063**

[Metanephrines Fractionated by HPLC-MS/MS, Urine](#)

Current SOFT test code: METUR; **New SOFT test code: XMETR**
Current EPIC test code: LAB5869; **New EPIC test code: LAB7065**

[Vanillylmandelic Acid \(VMA\), Urine](#)

Current SOFT test code: VMAUR; **New SOFT test code: XXVMA**
Current EPIC test code: LAB5880; **New EPIC test code: LAB7067**

[Homovanillic Acid \(HVA\), Urine](#)

Current SOFT test code: HVA; **New SOFT test code: XHVA**
Current EPIC test code: LAB5863; **New EPIC test code: LAB7061**

****Random urine samples will be accepted for patients less than 16 years of age ONLY.***

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

Date submitted: 3/29/2017

Submitted by: Steven M. Truscott, Ph.D., Technical Director, STAT Lab/Automated Chemistry & Special Testing
Yvonne Posey, M.D., Associate Medical Director, Automated Chemistry & Special Testing

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