



MEMORANDUM #152

TO: UNCHCS Attending Physicians, Housestaff, Department Heads, Nursing Staff, and Supervisors

FROM: *NKS* Nichole Korpi-Steiner, Ph.D., Director, Special Chemistry Laboratory
EN Erin Neal, Interim Assistant Administrative Director, Special Chemistry Laboratory
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SUBJECT: Changes in Special Chemistry Lab Test Menu

DATE: June 26, 2019

Due to limited resources as well as efforts to support continuity in patient care management, the Special Chemistry Laboratory of UNCMC McLendon Clinical Laboratories will discontinue testing for the following: urine opiate confirmation, urine benzodiazepine confirmation, plasma total/free carnitine, plasma acylcarnitine, urine organic acids and serum caffeine. Serum caffeine will be sent to LabCorp as a STAT test and the other tests will be sent as routine samples to Mayo Clinic Laboratories.

Important notes:

- The ordering procedure in EPIC will remain the same for all tests except Urine Opiates.
- The ordering procedure in EPIC for Urine Opiate confirmation may require up to 3 individual orders depending on clinical needs. These 3 tests are Opiate confirmation, Buprenorphine and Metabolite, and 6-monoacetylmorphine. See chart below for ordering and associated compounds.
- Due to inter-method variability for opiate and benzodiazepine confirmation tests, consider re-baselining patient test values by interpretation in the clinical context.
- Results will continue to display in the same locations in chart review and results review.

A summary of available send out tests are indicated on the next page to allow for easy posting.

Changes in Special Chemistry Lab Test Menu – Memo #152 –06/26/2019

The dates of the changes are as follows:

Organic Acids – transitioned on 06/12/2019

Urine Opiates – transition on 06/27/2019

Caffeine Level – will transition once built in EPIC

Discontinued Special Chemistry Test	New EPIC Order Name and Associated Test Components	New Test ID	Minimum Specimen Volume	Approximate Turn-around-Time
Acylcarnitine, Plasma, Quantitative <ul style="list-style-type: none"> • 33 acylcarnitine profile and interpretation 	Acylcarnitine, Plasma, Quantitative <ul style="list-style-type: none"> • 47 acylcarnitine profile and interpretation 	LAB429	0.1 mL	7 days
Carnitine, Plasma <ul style="list-style-type: none"> • Total carnitine • Free carnitine • Acylcarnitine 	Carnitine, Plasma <ul style="list-style-type: none"> • Total carnitine • Free carnitine • Acylcarnitine 	LAB815	0.2 mL	7 days
Organic Acids, Urine <ul style="list-style-type: none"> • Organic acid profile and interpretation 	Organic Acids, Urine <ul style="list-style-type: none"> • Organic acid profile and interpretation 	LAB418	4 mL	8 days
Opiates Confirmation, Urine: <ul style="list-style-type: none"> • Buprenorphine • Norbuprenorphine • Codeine • Hydrocodone • Hydromorphone • Morphine • Oxycodone • Oxymorphone • 6-monoacetylmorphine 	Buprenorphine and Metabolite, Urine <ul style="list-style-type: none"> • Buprenorphine • Norbuprenorphine 	LAB11348	1.0 mL	7 days
	Opiate Confirmation, Urine <ul style="list-style-type: none"> • Codeine • Dihydrocodeine • Hydrocodone • Norhydrocodone • Hydromorphone • Morphine • Oxycodone • Noroxycodone • Oxymorphone • Noroxymorphone • Naloxone 	LAB417	2.5 mL	7 days
	6-Monoacetylmorphine, Urine <ul style="list-style-type: none"> • 6-monoacetylmorphine 	LAB5116	2.1 mL	8 days
Benzodiazepine, Urine, Quantitative: <ul style="list-style-type: none"> • Alpha-OH-alprazolam • Alpha-OH-midazolam • Alpha-OH-triazolam • Lorazepam • Nordiazepam • Oxazepam • Temazepam • 7-NH-clonazepam • 7-NH-flunitrazepam • OH-ethyl-flurazepam • Desalkylflurazepam 	Benzodiazepines Confirmation, Urine: <ul style="list-style-type: none"> • Alpha-OH-alprazolam • Alpha-OH-triazolam • Lorazepam • Nordiazepam • Oxazepam • Temazepam • 7-NH-clonazepam • 7-NH-flunitrazepam • OH-ethyl-flurazepam 	LAB11025	5.0 mL	8 days
Caffeine Level	Caffeine Level	LAB706	0.3 mL	12 hours

If you have any questions related to these changes, please contact the Core / Special Chemistry Laboratory at 984-974-1415 or Dr. Korpi-Steiner at 984-974-1498.