



NATIONAL MEDICAL SERVICES

June 30, 2006

Dear Valued Client:

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled the enclosed packet of important changes regarding a number of tests we perform. Listed below are the types of changes included in this packet.

Category	Type of Change
I.	Tests that have had changes to their method/CPT code, units of measurement, scope of analysis or specimen requirements
II.	Tests that have been discontinued
III.	Tests that have had changes to their reference comment

Please be advised that the changes listed in this packet will go into effect on **October 2, 2006**. Please use this packet of information to update your computer systems/records. These changes are important to ensure standardization of our mutual laboratory databases.

We apologize if this causes you any inconvenience. If you have any questions about the information contained in this packet, please call our Client Support Department at (866) 522-2206. Thank you for your continued support of National Medical Services and your assistance in implementing these changes.

Sincerely,

National Medical Services, Inc.

Database Changes - Summary

Categories:

- I: Method/CPT Code, Units, Scope of Analysis and Specimen Requirements
- II: Discontinued tests
- III: Reference comment changes

Test Code	Test Name	Category		
		I	II	III
0273U	Aminophenol, para-, Urine	•		•
0471UH	Arsenic, 24 Hour Urine		•	
1450SP	Drug-Facilitated Sexual Assault Panel, Serum/Plasma (Forensic)			•
2063B	Etomidate, Blood	•		•
2063P	Etomidate, Plasma	•		•
3139U	Nickel Carbonyl Survey, Urine	•		
4649U	Trichloroethylene Exposure Survey, Urine	•		
4658U	Trichloroethylene Exposure, Urine	•		
4787U	Uranium Depleted, Urine		•	
5474SP	Clonazepam, Flunitrazepam, Nitrazepam Confirmation, Serum/Plasma			•
6108U	Cadmium Exposure Survey (OSHA), Urine	•		•
6116U	Cadmium Profile, Urine		•	

National Medical Services, Inc.

3701 Welsh Road, Willow Grove, PA 19090

800-522-6671

Changes effective:
October 2, 2006

National Medical Services
3701 Welsh Road, Willow Grove, PA 19090
800-522-6671
nms@nmslab.com

TEST CHANGES – CATEGORY I

Method/CPT Code, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Method/CPT Code Changes	Unit Changes
0273U Scope of Analysis:	Aminophenol, para-, Urine Creatinine, p-Aminophenol p-Aminophenol (Creatinine corrected) was removed.		
6108U Scope of Analysis:	Cadmium Exposure Survey (OSHA), Urine Creatinine, Cadmium, Cadmium (Creatinine corrected), Beta-2-Microglobulin, Beta-2-Microglobulin (Creatinine corrected) Cadmium (Creatinine correction) and Beta-2-Microglobulin (Creatinine correction) were removed. Cadmium (Creatinine corrected) [mcg/g Creat; ICP/MS] and Beta-2-Microglobulin (Creatinine corrected) [mcg/g Creat; EIA] were added.		
2063B	Etomidate, Blood • Etomidate Units were changed.		mcg/mL
2063P	Etomidate, Plasma • Etomidate Units were changed.		mcg/mL
3139U Scope of Analysis:	Nickel Carbonyl Survey, Urine Creatinine, Nickel, Nickel (Creatinine corrected) Nickel (Creatinine correction) was removed. Nickel (Creatinine corrected) [mcg/g Creat; ICP/MS] was added.		
4658U	Trichloroethylene Exposure, Urine • Creatinine • Trichloroacetic Acid • Trichloroacetic Acid (Creatinine corrected) • Trichloroethanol • Trichloroethanol (Creatinine corrected) Units were changed.		mcg/mL
4649U	Trichloroethylene Exposure Survey, Urine • Creatinine • Trichloroacetic Acid • Trichloroacetic Acid (Creatinine corrected) • Trichloroethanol • Trichloroethanol (Creatinine corrected) Units were changed.		mcg/mL

DISCONTINUED TESTS – CATEGORY II

Test Code	Test Name	Alternative Test
0471UH	Arsenic, 24 Hour Urine	0460UH Arsenic, 24 Hour Urine
6116U	Cadmium Profile, Urine	6108U Cadmium Exposure Survey (OSHA), Urine
4787U	Uranium Depleted, Urine	9230U Uranium - Total and Depleted Screen, Urine

Changes effective:
October 2, 2006

National Medical Services
3701 Welsh Road, Willow Grove, PA 19090
800-522-6671
nms@nmslab.com

REFERENCE COMMENT CHANGES – CATEGORY III

Test Code	Test Name / Compound	New Reference Comment
0273U	Aminophenol, para-, Urine <ul style="list-style-type: none"> p-Aminophenol 	Aniline exposure: Total p-Aminophenol end of shift Urine Biological Exposure Index (ACGIH): 50 mg/L.
6108U	Cadmium Exposure Survey (OSHA), Urine <ul style="list-style-type: none"> Cadmium (Creatinine corrected) 	Minimum (OSHA) action level for enhanced medical surveillance: Greater than 3 mcg Cadmium/g Creatinine. ***** Various states require that Cadmium levels above certain cutoffs must be reported to the state in which the patient resides. Please contact us if you need assistance in supplying your state with the required information.
5474SP	Clonazepam, Flunitrazepam, Nitrazepam Confirmation, Serum/Plasma <ul style="list-style-type: none"> Flunitrazepam Norflunitrazepam 7-Amino Flunitrazepam 	Flunitrazepam is present in plasma at a concentration of approximately 1.5 ng/mL at 24 hours after a single 2 mg oral dose. Norflunitrazepam is present in plasma at a concentration of approx. 1 ng/mL at 24 hours after a single 2 mg oral dose of Flunitrazepam. 7-Amino Flunitrazepam is present in plasma at a concentration of approx. 0.8 ng/mL at 24 hours after a single 2 mg oral dose of Flunitrazepam.
2063B	Etomidate, Blood <ul style="list-style-type: none"> Etomidate 	Plasma levels required to induce anesthesia are approximately 2 mcg/mL, but hypnosis is maintained with concentrations greater than 0.23 mcg/mL.
2063P	Etomidate, Plasma <ul style="list-style-type: none"> Etomidate 	Plasma levels required to induce anesthesia are approximately 2 mcg/mL, but hypnosis is maintained with concentrations greater than 0.23 mcg/mL.

Changes effective:
October 2, 2006

National Medical Services
3701 Welsh Road, Willow Grove, PA 19090
800-522-6671
nms@nmslab.com

REFERENCE COMMENT CHANGES – CATEGORY III

Test Code	Test Name / Compound	New Reference Comment
1450SP	Drug-Facilitated Sexual Assault Panel, Serum/Plasma (Forensic) <ul style="list-style-type: none">• Clonazepam • Flunitrazepam • 7-Amino Flunitrazepam • Norflunitrazepam • Nitrazepam • Midazolam	<p>Therapeutic range: 10 - 60 ng/mL. Toxic: Greater than 100 ng/mL.</p> <p>Flunitrazepam is present in plasma at a concentration of approximately 1.5 ng/mL at 24 hours after a single 2 mg oral dose.</p> <p>7-Amino Flunitrazepam is present in plasma at a concentration of approx. 0.8 ng/mL at 24 hours after a single 2 mg oral dose of Flunitrazepam.</p> <p>Norflunitrazepam is present in plasma at a concentration of approx. 1 ng/mL at 24 hours after a single 2 mg oral dose of Flunitrazepam.</p> <p>Usual anticonvulsant range: 30 to 70 ng/mL. Toxic at greater than 200 ng/mL.</p> <p>Peak Plasma levels following a 12.5 mg intramuscular dose: Approximately 200 ng/mL within 45 minutes of dose. Following a single 75 mcg/kg intramuscular dose over one minute: 320 ng/mL - 0.25 hours 250 ng/mL - 0.5 hours 210 ng/mL - 1 hours 140 ng/mL - 2 hours 80 ng/mL - 4 hours 40 ng/mL - 6 hours 20 ng/mL - 8 hours</p>