



March 4, 2010

RE: **Immediate Action test change notification**

Dear Valued Client:

The following pages detail important information regarding a test requiring database modifications. Please be advised that this urgent change is effective **March 22, 2010**.

Please use this packet of information to update your computer systems/records. This change is important to ensure standardization of our mutual laboratory databases.

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 NMS Labs and your assistance in implementing this change.

Sincerely,

NMS Labs

Database Changes - Summary

Test Code	Test Name	Method/ CPT code	Scope	Specimen Requirements	Stability	Discontinued	Reference Comment	Misc.
1785SP	Salicylates, Serum/Plasma					•		
1787SP	Theophylline, Serum/Plasma					•		
3584SP	Phenobarbital, Serum/Plasma					•		
3744SP	Phenytoin - Free, Serum/Plasma	•		•			•	
3745SP	Phenytoin - Free/Bound, Serum/Plasma	•		•			•	
3751SP	Phenytoin - Total, Serum/Plasma	•	•	•			•	•
3902SP	Primidone and Metabolite, Serum/Plasma					•		
4072SP	Quinidine, Serum/Plasma					•		
4518SP	Topiramate, Serum/Plasma					•		
4519B	Topiramate, Blood			•	•		•	
4519SP	Topiramate, Serum/Plasma			•	•		•	
4519U	Topiramate, Urine			•	•		•	
52127B	Topiramate Confirmation, Blood (Forensic)			•	•		•	
52127SP	Topiramate Confirmation, Serum/Plasma (Forensic)			•	•		•	
52127U	Topiramate Confirmation, Urine (Forensic)			•	•		•	
53127B	Topiramate Confirmation, Blood (Forensic)			•	•		•	
53127SP	Topiramate Confirmation, Serum/Plasma (Forensic)			•	•		•	
53127U	Topiramate Confirmation, Urine (Forensic)			•	•		•	

NMS Labs

3701 Welsh Road, Willow Grove, PA 19090

800-522-6671

Updates effective:
March 22, 2010

NMS Labs
3701 Welsh Road, Willow Grove, PA 19090
800-522-6671
nms@nmslabs.com



TEST UPDATES

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

Test Code	Test Name	Method / CPT Code
3744SP	Phenytoin - Free, Serum/Plasma Scope of Analysis: Phenytoin - Free Specimen Requirements: Specimen Requirements: 3 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender or Pink top tube (EDTA), Green top tube (Sodium Heparin), Light Blue top tube (Sodium Citrate) or Gray top tube (Sodium Fluoride / Potassium Oxalate) Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).	IA (80186)
Summary of Updates: For Quality Improvement purposes the following updates were made. Method and CPT code were changed. Special Handling was changed. Specimen Container was changed.		
3745SP	Phenytoin - Free/Bound, Serum/Plasma Scope of Analysis: Phenytoin - Free Phenytoin - Total Phenytoin - Bound	IA (80186) IA (80185)
Specimen Requirements: Specimen Requirements: 4 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender or Pink top tube (EDTA), Green top tube (Sodium Heparin), Light Blue top tube (Sodium Citrate) or Gray top tube (Sodium Fluoride / Potassium Oxalate) Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).		
Summary of Updates: For Quality Improvement purposes the following updates were made. Method and CPT code were changed. Requested volume was changed. Special Handling was changed. Specimen Container was changed.		

TEST UPDATES

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

Test Code	Test Name	Method / CPT Code
3751SP	<p>Phenytoin - Total, Serum/Plasma Scope of Analysis: Phenytoin - Total Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender or Pink top tube (EDTA), Green top tube (Sodium Heparin), Light Blue top tube (Sodium Citrate) or Gray top tube (Sodium Fluoride / Potassium Oxalate) Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).</p>	IA (80185)
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Acode Description was changed. Phenytoin was renamed to Phenytoin - Total. Method and CPT code were changed. Requested volume was changed. Special Handling was changed. Specimen Container was changed.</p>		
4519B	<p>Topiramate, Blood Specimen Requirements: Specimen Requirements: 2 mL Blood Transport Temperature: Refrigerated Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate) Light Protection: Not Required Special Handling: None Rejection Criteria: None Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Stability was changed.</p>		

TEST UPDATES

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

Test Code	Test Name	Method / CPT Code
4519SP	<p>Topiramate, Serum/Plasma</p> <p>Specimen Requirements: Specimen Requirements: 2 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: 6 month(s) Refrigerated: 6 month(s) Frozen (-20 °C): 6 month(s)</p>	
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Special Handling was changed. Stability was changed.</p>		
4519U	<p>Topiramate, Urine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: None Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Stability was changed.</p>		

TEST UPDATES

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

Test Code	Test Name	Method / CPT Code
52127B	<p>Topiramate Confirmation, Blood (Forensic)</p> <p>Specimen Requirements: Specimen Requirements: 2 mL Blood Transport Temperature: Refrigerated Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate) Light Protection: Not Required Special Handling: None Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Stability was changed.</p>		
52127SP	<p>Topiramate Confirmation, Serum/Plasma (Forensic)</p> <p>Specimen Requirements: Specimen Requirements: 2 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: 6 month(s) Refrigerated: 6 month(s) Frozen (-20 °C): 6 month(s)</p>	
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Special Handling was changed. Stability was changed.</p>		

TEST UPDATES

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

Test Code	Test Name	Method / CPT Code
52127U	Topiramate Confirmation, Urine (Forensic)	
	<p>Specimen Requirements: Specimen Requirements: 1 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: None Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	
	<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Stability was changed.</p>	
53127B	Topiramate Confirmation, Blood (Forensic)	
	<p>Specimen Requirements: Specimen Requirements: 2 mL Blood Transport Temperature: Refrigerated Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate) Light Protection: Not Required Special Handling: None Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	
	<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Stability was changed.</p>	

TEST UPDATES

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

Test Code	Test Name	Method / CPT Code
53127SP	<p>Topiramate Confirmation, Serum/Plasma (Forensic)</p> <p>Specimen Requirements: Specimen Requirements: 2 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: 6 month(s) Refrigerated: 6 month(s) Frozen (-20 °C): 6 month(s)</p>	
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Special Handling was changed. Stability was changed.</p>		
53127U	<p>Topiramate Confirmation, Urine (Forensic)</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: None Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Stability was changed.</p>		

DISCONTINUED TESTS

Test Code	Test Name	Alternative Test
3584SP	Phenobarbital, Serum/Plasma	3580SP Phenobarbital, Serum/Plasma
3902SP	Primidone and Metabolite, Serum/Plasma	3900SP Primidone, Phenobarbital and PEMA, Serum/Plasma
4072SP	Quinidine, Serum/Plasma	4071SP Quinidine, Serum/Plasma
1785SP	Salicylates, Serum/Plasma	4137SP Salicylate, Serum/Plasma
1787SP	Theophylline, Serum/Plasma	4387SP Theophylline, Serum/Plasma
4518SP	Topiramate, Serum/Plasma	4519SP Topiramate, Serum/Plasma

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
3744SP	Phenytoin - Free, Serum/Plasma <ul style="list-style-type: none"> Phenytoin - Free 	<p>Reported optimal range for free Phenytoin: 1.0 - 2.0 mcg/mL.</p> <p>Note: IA is not the recommended method for Phenytoin monitoring after Fosphenytoin dosing.</p>
3745SP	Phenytoin - Free, Serum/Plasma <ul style="list-style-type: none"> Phenytoin - Bound 	<p>Note: IA is not the recommended method for Phenytoin monitoring after Fosphenytoin dosing.</p>
3751SP	Phenytoin - Total, Serum/Plasma <ul style="list-style-type: none"> Phenytoin - Total 	<p>Antiepileptic range: 10 - 20 mcg/mL.</p> <p>Note: IA is not the recommended method for Phenytoin monitoring after Fosphenytoin dosing.</p>
4519B	Topiramate, Blood <ul style="list-style-type: none"> Topiramate 	<p>Target plasma anti-epileptic range in refractory patients: 2.0 - 25 mcg/mL.</p> <p>The whole blood/plasma concentration ratio for the drug is inversely proportional to concentration, averaging 7.1 at a blood level of 3 mcg/mL and 1.3 at a level of 15 mcg/mL.</p> <p>Doxepin, Bupivacaine, Levorphanol, Cocaine and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.</p>
4519SP	Topiramate, Serum/Plasma <ul style="list-style-type: none"> Topiramate 	<p>Target plasma anti-epileptic range in refractory patients: 2.0 - 25 mcg/mL.</p> <p>Doxepin, Bupivacaine, Levorphanol, Cocaine and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.</p>

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
4519U	Topiramate, Urine <ul style="list-style-type: none"> Topiramate 	<p>Doxepin, Bupivacaine, Levorphanol, Cocaine, and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.</p>
52127B	Topiramate Confirmation, Blood (Forensic) <ul style="list-style-type: none"> Topiramate 	<p>Target plasma anti-epileptic range in refractory patients: 2.0 - 25 mcg/mL. The whole blood/plasma concentration ratio for the drug is inversely proportional to concentration, averaging 7.1 at a blood level of 3 mcg/mL and 1.3 at a level of 15 mcg/mL. Doxepin, Bupivacaine, Levorphanol, Cocaine and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.</p>
52127SP	Topiramate Confirmation, Serum/Plasma (Forensic) <ul style="list-style-type: none"> Topiramate 	<p>Target plasma anti-epileptic range in refractory patients: 2.0 - 25 mcg/mL. Doxepin, Bupivacaine, Levorphanol, Cocaine and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.</p>
52127U	Topiramate Confirmation, Urine (Forensic) <ul style="list-style-type: none"> Topiramate 	<p>Doxepin, Bupivacaine, Levorphanol, Cocaine, and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.</p>
53127B	Topiramate Confirmation, Blood (Forensic) <ul style="list-style-type: none"> Topiramate 	<p>Target plasma anti-epileptic range in refractory patients: 2.0 - 25 mcg/mL. The whole blood/plasma concentration ratio for the drug is inversely proportional to concentration, averaging 7.1 at a blood level of 3 mcg/mL and 1.3 at a level of 15 mcg/mL. Doxepin, Bupivacaine, Levorphanol, Cocaine and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.</p>

Updates effective:
March 22, 2010

NMS Labs
3701 Welsh Road, Willow Grove, PA 19090
800-522-6671
nms@nmslabs.com



REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
53127SP	Topiramate Confirmation, Serum/Plasma (Forensic) <ul style="list-style-type: none">• Topiramate	Target plasma anti-epileptic range in refractory patients: 2.0 - 25 mcg/mL. Doxepin, Bupivacaine, Levorphanol, Cocaine and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.
53127U	Topiramate Confirmation, Urine (Forensic) <ul style="list-style-type: none">• Topiramate	Doxepin, Bupivacaine, Levorphanol, Cocaine, and Pentazocine may interfere with Topiramate in this analysis. If any of these analytes are potential interferences in this case, call the laboratory for alternate quantitative procedures.