



NATIONAL MEDICAL SERVICES

August 16, 2005

RE: Emergency Test Change Notification

Dear Valued Client:

The enclosed data packet details important information regarding a number of test codes requiring database modifications. **Please be advised that this is an urgent change due to a typographical error in a reference comment affecting multiple test codes. These changes went into effect on August 10, 2005.** Listed below are the types of changes included in this packet.

Category	Type of Change
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III	Tests that have had reference comment changes
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Old Mirtazapine reference comment:

Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen:
 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough
 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough
 → 45 **ng**/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough
 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough
 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough

Elimination half-life: 20 to 40 hours.

New Mirtazapine reference comment:

Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen:
 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough
 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough
 45 **mg**/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough
 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough
 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough

Elimination half-life: 20 to 40 hours.

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

We apologize for any inconvenience this may cause. If you have any questions about the information contained in this packet, please call our Client Support Department at (866) 522-2206.

Sincerely,

National Medical Services, Inc.

Changes effective:
August 10, 2005

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

REFERENCE COMMENT CHANGES

Test Code	Test Name	New Reference Comment
3075B	Mirtazapine, Blood <ul style="list-style-type: none"> Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
3075SP	Mirtazapine, Serum/Plasma <ul style="list-style-type: none"> Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
4655B	Antidepressants Panel 1, Blood <ul style="list-style-type: none"> Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
4655SP	Antidepressants Panel 1, Serum/Plasma <ul style="list-style-type: none"> Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>

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REFERENCE COMMENT CHANGES

Test Code	Test Name	New Reference Comment
4655U	Antidepressants Panel 1, Urine <ul style="list-style-type: none"> • Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
5222B	Antidepressants Quantitation/ Confirmation, Blood (Forensic) <ul style="list-style-type: none"> • Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
5222SP	Antidepressants Quantitation/ Confirmation, Serum/Plasma (Forensic) <ul style="list-style-type: none"> • Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
5450B	Antidepressants Confirmation, Blood <ul style="list-style-type: none"> • Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>

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5450SP	Antidepressants Confirmation, Serum/Plasma <ul style="list-style-type: none"> Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
8700B	Antidepressants Panel, Blood <ul style="list-style-type: none"> Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>
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9431B	Antidepressants Screen, Blood <ul style="list-style-type: none"> Mirtazapine 	<p>Steady-state peak (0.7 to 4.8 hours post-dose) and trough plasma concentrations following a daily regimen: 15 mg/day: 27 - 51 ng/mL peak; 4.3 - 12 ng/mL trough 30 mg/day: 56 - 104 ng/mL peak; 11 - 25 ng/mL trough 45 mg/day: 84 - 142 ng/mL peak; 17 - 39 ng/mL trough 60 mg/day: 117 - 199 ng/mL peak; 24 - 52 ng/mL trough 75 mg/day: 137 - 225 ng/mL peak; 28 - 64 ng/mL trough</p> <p>Elimination half-life: 20 to 40 hours.</p>

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