NMS Labs
200 Welsh Road, Horsham, PA 19044-2208
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Demo Report

Report Issued 03/30/2020 14:32
Last Report Issued 02/18/2016 10:05

88888
Clinical Example Report
Attn: Example Reports
200 Welsh Road
Horsham, PA 19044

Patient Name 9431B-POS
Patient ID 9431B-POS
Chain 16000256
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 16000256

Received 02/18/2016 09:49

Sample ID 16000256-001
Matrix Blood
Patient Name 9431B-POS
Patient ID 9431B-POS
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes None Entered

Analysis and Comments	Result	Units	Reporting Limit	Notes
9431B Antidepressants Screen, Blood				
Analysis by Gas Chromatography (GC)				
Amitriptyline	50	ng/mL	10	
Synonym(s): Elavil®; Endep®				
Nortriptyline	50	ng/mL	10	
Synonym(s): Amitriptyline Metabolite; Aventyl®; Pamelor®				
Nortriptyline is a metabolite of Amitriptyline and is also available as an independent therapeutic agent. When Amitriptyline is the administered drug: Usual therapeutic range for the total of Amitriptyline plus Nortriptyline: 80 - 250 ng/mL. When Nortriptyline is the administered drug: Usual therapeutic range: 50 - 150 ng/mL.				
Clomipramine	50	ng/mL	10	
Synonym(s): Anafranil®				
Desmethylclomipramine	50	ng/mL	10	
Synonym(s): Clomipramine Metabolite				

Results for sample 16000256-001 are continued on next page

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Sample ID 16000256-001
Matrix Blood
Patient Name 9431B-POS
Patient ID 9431B-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
The plasma concentrations of Clomipramine and metabolite vary widely between patients. The suggested antidepressant range for the sum of Clomipramine plus Desmethylclomipramine: 200 - 500 ng/mL plasma.				
Imipramine	50	ng/mL	10	
Synonym(s): Tofranil®				
Desipramine	50	ng/mL	10	
Synonym(s): Imipramine Metabolite; Norpramin®; Pertofrane®				
Desipramine is a metabolite of Imipramine and is also available as an independent therapeutic agent. When Imipramine is the administered drug: Usual therapeutic range for the total of Imipramine plus Desipramine: 150 - 400 ng/mL. When Desipramine is the administered drug: Usual therapeutic range in outpatients on 100 to 200 mg Desipramine/day: 40 - 250 ng/mL.				
Doxepin	50	ng/mL	10	
Synonym(s): Sinequan®				
Patients on an average antidepressant dose of 113 mg Doxepin/day: 5 - 115 ng Doxepin/mL.				
Desmethyldoxepin	50	ng/mL	10	
Synonym(s): Doxepin Metabolite				
Patients on an average antidepressant dose of 113 mg Doxepin/day: 0 - 80 ng Desmethyldoxepin/mL.				
Trimipramine	50	ng/mL	10	
Synonym(s): Surmontil®				
Observed levels during chronic oral antidepressant doses of 75 to 150 mg/day: 10 - 240 ng/mL.				
Desmethyltrimipramine	50	ng/mL	10	
Synonym(s): Trimipramine Metabolite				
Observed concentrations during chronic antidepressant doses of 75 to 150 mg/day: 3 - 380 ng/mL.				
Fluoxetine	50	ng/mL	10	
Synonym(s): Prozac®				

Results for sample 16000256-001 are continued on next page

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Matrix Blood
Patient Name 9431B-POS
Patient ID 9431B-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Daily therapy with 40 mg Fluoxetine/day: Steady-state concentration at 4 to 8 hours after dosing ranges from 91 - 302 ng/mL serum.				
Norfluoxetine	50	ng/mL	10	
Synonym(s): Fluoxetine Metabolite				
Daily therapy with 40 mg Fluoxetine/day: Steady-state concentration at 4 to 8 hours after dosing ranges from 72 - 258 ng/mL serum.				
Protriptyline	50	ng/mL	10	
Synonym(s): Vivactil®				
Usual antidepressant range: 70 - 250 ng/mL.				
Substance(s) known to interfere with the identity and/or quantity of the reported result: Norcyclobenzaprine (Cyclobenzaprine metabolite) and Desmethylsertraline (Sertraline metabolite).				
Maprotiline	50	ng/mL	10	
Synonym(s): Ludiomil®				
Following daily oral doses of 50, 100, and 150 mg, the steady-state mean blood concentrations were 70, 140 and 220 ng/mL, respectively.				
Trazodone	50	mcg/mL	0.10	
Synonym(s): Desyrel®				
Therapeutic range: 0.3 - 1.5 mcg/mL.				
Amoxapine	50	ng/mL	10	
Synonym(s): Asendin®				
Reported serum concentrations following a 300 mg daily regimen ranged from 17 - 93 ng/mL.				
The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.				
Mirtazapine	50	ng/mL	10	
Synonym(s): Remeron®				

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Matrix Blood
Patient Name 9431B-POS
Patient ID 9431B-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes

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.

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.

5450B Antidepressants Confirmation, Blood

Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)

Amitriptyline	Confirmed	ng/mL	10	
Synonym(s): Elavil®; Endep®				
Nortriptyline	Confirmed	ng/mL	10	
Synonym(s): Amitriptyline Metabolite; Aventyl®; Pamelor®				

Nortriptyline is a metabolite of Amitriptyline and is also available as an independent therapeutic agent.
When Amitriptyline is the administered drug:
Usual therapeutic range for the total of Amitriptyline plus Nortriptyline: 80 - 250 ng/mL.
When Nortriptyline is the administered drug:
Usual therapeutic range: 50 - 150 ng/mL.

Clomipramine	Confirmed	ng/mL	10	
Synonym(s): Anafranil®				
Desmethylclomipramine	Confirmed	ng/mL	10	
Synonym(s): Clomipramine Metabolite				

The plasma concentrations of Clomipramine and metabolite vary widely between patients. The suggested antidepressant range for the sum of Clomipramine plus Desmethylclomipramine: 200 - 500 ng/mL plasma.

Imipramine	Confirmed	ng/mL	10	
Synonym(s): Tofranil®				
Desipramine	Confirmed	ng/mL	10	

Results for sample 16000256-001 are continued on next page

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Patient Name 9431B-POS
Patient ID 9431B-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Synonym(s): Imipramine Metabolite; Norpramin®; Pertofrane®				
Desipramine is a metabolite of Imipramine and is also available as an independent therapeutic agent. When Imipramine is the administered drug: Usual therapeutic range for the total of Imipramine plus Desipramine: 150 - 400 ng/mL. When Desipramine is the administered drug: Usual therapeutic range in outpatients on 100 to 200 mg Desipramine/day: 40 - 250 ng/mL.				
Doxepin	Confirmed	ng/mL	10	
Synonym(s): Sinequan®				
Patients on an average antidepressant dose of 113 mg Doxepin/day: 5 - 115 ng Doxepin/mL.				
Desmethyldoxepin	Confirmed	ng/mL	10	
Synonym(s): Doxepin Metabolite				
Patients on an average antidepressant dose of 113 mg Doxepin/day: 0 - 80 ng Desmethyldoxepin/mL.				
Trimipramine	Confirmed	ng/mL	10	
Synonym(s): Surmontil®				
Observed levels during chronic oral antidepressant doses of 75 to 150 mg/day: 10 - 240 ng/mL.				
Desmethyltrimipramine	Confirmed	ng/mL	10	
Synonym(s): Trimipramine Metabolite				
Observed concentrations during chronic antidepressant doses of 75 to 150 mg/day: 3 - 380 ng/mL.				
Fluoxetine	Confirmed	ng/mL	10	
Synonym(s): Prozac®				
Daily therapy with 40 mg Fluoxetine/day: Steady-state concentration at 4 to 8 hours after dosing ranges from 91 - 302 ng/mL serum.				
Norfluoxetine	Confirmed	ng/mL	10	
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Protriptyline	Confirmed	ng/mL	10	
Synonym(s): Vivactil®				
Usual antidepressant range: 70 - 250 ng/mL.				
Substance(s) known to interfere with the identity and/or quantity of the reported result: Norcyclobenzaprine (Cyclobenzaprine metabolite) and Desmethylsertraline (Sertraline metabolite).				
Maprotiline	Confirmed	ng/mL	10	
Synonym(s): Ludiomil®				
Following daily oral doses of 50, 100 and 150 mg, the steady-state mean blood concentrations were 70, 140 and 220 ng/mL respectively.				
Trazodone	Confirmed	mcg/mL	0.10	
Synonym(s): Desyrel®				
Therapeutic range: 0.3 - 1.5 mcg/mL.				
Amoxapine	Confirmed	ng/mL	10	
Synonym(s): Asendin®				
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Patient ID 9431B-POS

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