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 11:29
Last Report Issued 08/11/2017 14:30

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

Patient Name 0803B
Patient ID 0803B
Chain 17001589
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 17001589

Received 08/11/2017 14:20

Sample ID 17001589-001
Matrix Blood
Patient Name 0803B
Patient ID 0803B
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
0803B Bupropion and Metabolite, Blood				
Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS)				
Bupropion	None Detected	ng/mL	10	
Synonym(s): Wellbutrin®				
Maximum antidepressant response was observed at trough plasma concentrations of 50 - 100 ng/mL bupropion with virtually no response below 25 ng/mL.				
Reported average bupropion peak plasma concentrations: Adults: Single 100 mg IR - 120 +/- 10 ng/mL (Males); 150 +/- 10 ng/mL (Females) Adults: Single 200 mg IR -220 +/- 20 ng/mL (Males); 270 +/- 20 ng/mL (Females) Adults: Single 150 mg SR – 140 +/- 20 ng/mL Juveniles: 100 mg/day SR for 2 weeks - 25 +/- 8 ng/mL Juveniles: 200 mg/day SR for 2 weeks - 53 +/- 22 ng/mL				
The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.				
Specimens must be kept frozen. If specimens are not kept frozen, this may cause lower or negative values.				
Hydroxybupropion	None Detected	ng/mL	100	

Results for sample 17001589-001 are continued on next page

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

Sample ID 17001589-001
Matrix Blood
Patient Name 0803B
Patient ID 0803B

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Synonym(s): Bupropion Metabolite				
8 adults (Age 22-42) taking thrice daily 100 mg normal release bupropion for 2 weeks had an average peak plasma concentration of 1000 +/- 70 ng/mL hydroxybupropion.				
Juvenile patients taking once daily, extended release bupropion for two weeks had the following peak plasma concentrations: 100 mg/day (n = 11), 450 +/- 210 ng/mL hydroxybupropion 200 mg/day (n = 8), 710 +/- 350 ng/mL hydroxybupropion				
The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.				

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.