NMS Labs
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Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Demo Report

Report Issued 01/08/2018 08:41
Last Report Issued 08/11/2017 14:32

88888
Clinical Example Report
Attn: IT Department
3701 Welsh Road
Willow Grove, PA 19090

Patient Name 9122SP
Patient ID 9122SP
Chain 17001595
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 17001595

Received 08/11/2017 14:23

Sample ID 17001595-001
Matrix Serum or Plasma
Patient Name 9122SP
Patient ID 9122SP
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes Not frozen as required

Analysis and Comments	Result	Units	Reporting Limit	Notes
9122SP Bupropion and Metabolite Screen, Serum/Plasma				
Sample Receipt condition inappropriate for test code: [Not frozen as required]				
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
Bupropion	None Detected	ng/mL	5.0	
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				
Specimens must be kept frozen. If specimens are not kept frozen, this may cause lower or negative values.				

Results for sample 17001595-001 are continued on next page

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Sample ID 17001595-001
Matrix Serum or Plasma
Patient Name 9122SP
Patient ID 9122SP

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Hydroxybupropion	None Detected	ng/mL	50	

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