



NMS Labs

CONFIDENTIAL

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

Demo Report

Report Issued 03/30/2020 11:29
Last Report Issued 08/11/2017 14:31

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

Patient Name 0803SP
Patient ID 0803SP
Chain 17001591
Age Not Given DOB Not Given
Gender Not Given
Workorder 17001591
Received 08/11/2017 14:22

Sample ID 17001591-001
Matrix Serum or Plasma
Patient Name 0803SP
Patient ID 0803SP
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes Not frozen as required

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes

0803SP Bupropion and Metabolite, Serum/Plasma

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.

Hydroxybupropion None Detected ng/mL 50
Synonym(s): Bupropion Metabolite

Results for sample 17001591-001 are continued on next page



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Sample ID 17001591-001

Matrix Serum or Plasma

Patient Name 0803SP

Patient ID 0803SP

Collect Dt/Tm Not Given

Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
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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

Sample receipt condition is inappropriate for test code: Not frozen as required

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.