



Patient ID SA00179282	Patient Name SAMPLEREPORT, FBUMT ABNORMAL	Birth Date 1980-12-22	Sex F	Age 45
Order Number SA00179282	Client Order Number SA00179282	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 15 Feb 2026 00:00		

Bupropion and Metabolite, S

Bupropion

Y082

100 ng/mL

Reporting Limit: 5.0 ng/mL

Synonym(s): Wellbutrin(R)

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.

Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)

Synonym(s): Bupropion Metabolite

Oral dose (mg): average peak plasma concentrations (ng/mL), population

Single 100 IR: 296 ± 154, adults

Single 150 SR: 311 ± 168, adults

Single 300 ER: 402 ± 145, adults

Daily 100 SR for 2 w: 451 ± 214, juveniles

Daily 200 SR for 2 w: 712 ± 349, juveniles

Half-life: approximately 15–22 hr

Analysis by High Performance Liquid Chromatography/
Tandem Mass Spectrometry (LC-MS/MS)

Sample Receipt condition 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.

Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.

Hydroxybupropion

Y082

150 ng/mL

Reporting Limit: 50 ng/mL

Received: 16 Feb 2026 07:39

Reported: 16 Feb 2026 10:19

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
Y082	NMS Labs	200 Welsh Road, Horsham, PA 190442208		