

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 8/10/2009  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Bupropion and Metabolite, Serum or Plasma**

ARUP test code 3003034

Bupropion

**885 ng/mL H (Ref Interval: 10-100)**

INTERPRETIVE INFORMATION: Bupropion and Metabolite, Serum or Plasma

Therapeutic Range:  
10-100 ng/mL  
Toxic: Greater than or equal to 400 ng/mL

Bupropion is an antidepressant drug indicated for the treatment of major depressive disorder. The drug is also used as treatment for smoking cessation. The therapeutic range is based on serum pre-dose (trough) draw at steady-state concentration. Bupropion is primarily metabolized to hydroxybupropion, which has about 50% of the activity of the parent drug. The pharmacokinetics of bupropion and metabolite are influenced by drug-drug interactions that affect CYP2B6 metabolism. Patients with renal or hepatic impairment may require a dose reduction. Adverse effects may include seizures, hypertension, nausea, vomiting, neuropsychiatric and cardiac abnormalities.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Hydroxybupropion

**2291 ng/mL H (Ref Interval: 850-1500)**

INTERPRETIVE INFORMATION: Bupropion and Metabolite, Serum or Plasma

Therapeutic Range:  
850-1500 ng/mL  
Toxic: Greater than or equal to 2000 ng/mL

**H=High, L=Low, \*=Abnormal, C=Critical**

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Bupropion	22-121-107370	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxybupropion	22-121-107370	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

**H=High, L=Low, \*=Abnormal, C=Critical**

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 22-121-107370  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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