

Specimen Collected: 09-Sep-20 09:03

Bupropion and metabolite, S/P		Received: 09-Sep-20 09:03	Report/Verified: 09-Sep-20 09:59
	Result	Units	Reference Interval
Hydroxybupropion	1023 ⁱ¹	ng/mL	850-1500
Bupropion	20 ⁱ²	ng/mL	10-100

Test Information

i1: Hydroxybupropion

INTERPRETIVE INFORMATION: Bupropion and Metabolite, Serum
or Plasma

Therapeutic Range:

850-1500 ng/mL

Toxic: Greater than or equal to 2000 ng/mL

i2: Bupropion

INTERPRETIVE INFORMATION: Bupropion

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.

See Compliance Statement B: www.aruplab.com/CS

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing Lab

Unless otherwise indicated, testing performed at:

ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

ARUP Accession: 20-253-900044

Report Request ID:

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