



**NMS Labs**

**CONFIDENTIAL**

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

**Demo Report**

**Report Issued** 03/30/2020 14:05  
**Last Report Issued** 09/27/2018 14:35

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

**Patient Name** 8620B  
**Patient ID** 8620B  
**Chain** 18001423  
**Age** Not Given **DOB** Not Given  
**Gender** Not Given  
**Workorder** 18001423  
**Received** 09/25/2018 08:50

**Sample ID** 18001423-001  
**Matrix** Blood  
**Patient Name** 8620B  
**Patient ID** 8620B  
**Container Type** Clear vial

**Collect Dt/Tm** Not Given  
**Source** Not Given

**Approx Vol/Weight** Not Given

**Receipt Notes** None Entered

Analysis and Comments	Result	Units	Reporting Limit	Notes
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**8620B Barbiturates Panel, Blood**

Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)

Butabarbital Synonym(s): Butisol Sodium	None Detected	mcg/mL	0.20	
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Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.

Butalbital	None Detected	mcg/mL	0.20	
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A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.

Amobarbital	None Detected	mcg/mL	0.20	
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Results for sample 18001423-001 are continued on next page



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**Sample ID** 18001423-001  
**Matrix** Blood  
**Patient Name** 8620B  
**Patient ID** 8620B

**Collect Dt/Tm** Not Given  
**Source** Not Given

<b>Analysis and Comments</b>	<b>Result</b>	<b>Units</b>	<b>Reporting Limit</b>	<b>Notes</b>
<p>Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.</p>				
<p><b>Pentobarbital</b></p> <p>Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.</p>	None Detected	mcg/mL	0.20	
<p><b>Secobarbital</b></p> <p>Synonym(s): Seconal®</p> <p>A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.</p>	None Detected	mcg/mL	0.20	
<p><b>Phenobarbital</b></p> <p>Synonym(s): Luminal®</p> <p>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant. A blood/plasma ratio of 0.81 has been reported.</p>	None Detected	mcg/mL	0.50	

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.