



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 04/21/2022 19:28
Last Report Issued 04/04/2022 06:11

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

Patient Name 8620SP-POS
Patient ID 8620SP-POS
Chain 22000201
DOB Not Given
Sex Not Given
Workorder 22000201
Received 01/24/2022

Lab ID 22000201-001
Matrix Serum or Plasma
Patient Name 8620SP-POS
Patient ID 8620SP-POS
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes None Entered

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

8620SP Barbiturates Panel, Serum/Plasma

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

Butabarbital 10 mcg/mL 0.20
Synonym(s): Butisol Sodium

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 10 mcg/mL 0.20

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 10 mcg/mL 0.20

Results for sample 22000201-001 are continued on next page



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**Lab ID** 22000201-001  
**Matrix** Serum or Plasma  
**Patient Name** 8620SP-POS  
**Patient ID** 8620SP-POS

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

| Analysis and Comments  | Result | Units  | Reporting Limit | Notes |
|--|--------|--------|-----------------|-------|
| <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>   | 10     | 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> | 10     | mcg/mL | 0.20            |       |
| <p><b>Phenobarbital</b></p> <p>Synonym(s): Luminal®</p> <p>Recommended serum concentration range during anticonvulsant therapy with primidone: 10-40 mcg/mL.</p>   | 10     | 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.