

**MEPHOBARBITAL AND PHENOBARBITAL, SERUM
#83778**

USEFUL FOR: Monitoring of mephobarbital and phenobarbital therapy.

METHODOLOGY: Gas Chromatography-Mass Spectrometry (GC-MS)

REFERENCE VALUES:

MEPHOBARBITAL

Therapeutic range: 1.0-7.0 mcg/mL

Toxic concentration: ≥ 15.0 mcg/mL

PHENOBARBITAL

Therapeutic range:

Children: 15.0-30.0 mcg/mL

Adults: 20.0-40.0 mcg/mL

Toxic concentration: ≥ 60.0 mcg/mL

Concentration at which toxicity occurs varies and should be interpreted in light of the clinical situation.

SPECIMEN REQUIREMENTS: Draw blood in a plain, red-top tube(s). (Serum gel tube is not acceptable.) Spin down and send 2 mL of serum refrigerated.

LIST FEE: \$158.60

CPT CODE: 82205/x2

ANALYTIC TIME: Same day/1 day

DAY(S) SET-UP: Monday through Friday

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
Jim Nielsen, Mayo Medical Laboratories' Technologist Support
Telephone: 800-533-1710

TEST DEFINITION

5/15/2009

MML NAME/ORDER CODE CROSS-REFERENCE

CODE NAME

83778 MEPHOBARBITAL AND PHENOBARBITAL, S

MML MML TEST SETUP INFORMATION

ORDER CODE	EFF DATE	TC	TITLE	CHECKING NORMALS	PRINT NORMALS (# CODED)	PERFORM SITE *
83778 (PROFILE)			MEPHOBARBITAL AND PHENOBARBITAL, S			
89706	4/6/2009		MEPHOBARBITAL, S			MCR
			TRANSPORT TEMP : REFRIG\AMBIENT OK\FROZEN OK			
			89706 MEPHOBARBITAL, S			
			EXPECT RESULTS OF FORM : SHOULD BE A NUMBER BETWEEN 0.0 AND 99.9			
			POSSIBLE RESULT VALUES INCLUDE : <0.5, <0.5, <0.5			
			UNITS: MCG/ML			
			NO SEX			
			ALL AGES : 1.0-7.0		; #N84764	
			MALE			
			ALL AGES : 1.0-7.0		; #N84764	
			FEMALE			
			ALL AGES : 1.0-7.0		; #N84764	
- - - - -						
84582	4/6/2009		PHENOBARBITAL, S			MCR
			TRANSPORT TEMP : REFRIG\AMBIENT OK\FROZEN OK			
			84582 PHENOBARBITAL, S			
			EXPECT RESULTS OF FORM : SHOULD BE A NUMBER BETWEEN 0.0 AND 99.9			
			POSSIBLE RESULT VALUES INCLUDE : <0.5, <0.5, <0.5			
			UNITS: MCG/ML			
			NO SEX			
			No AGE :		; #N845820Y	
			1D TO 13Y : 15.0-30.0		; #N8458213Y	
			14Y TO 150Y : 20.0-40.0		; #N84582150Y	
			MALE			
			No AGE :		; #N845820Y	
			1D TO 13Y : 15.0-30.0		; #N8458213Y	



LABORATORY SERVICE REPORT

1-800-533-1710

PATIENT NAME TESTING, GEN		PATIENT NUMBER		AGE 22	SEX F	ACCESSION # G9126212
ORDERING PHYSICIAN		CLIENT ORDER #				ACCOUNT # LIAISONS
COLLECTION 05/06/09 11:00 A	RECEIVED	REPORT PRINTED 05/15/09 09:57 A		SPECIMEN INFORMATION DATE OF BIRTH:		
DATE TIME	DATE TIME	DATE TIME	DATE TIME			
Test Client Attn: Mayo Liaisons 200 First Street SW Rochester, MN 55905 507-284-8202						

TEST REQUESTED	HI LO	REF RANGE	PERFORM SITE *
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Phenobarbital, S

Phenobarbital, S	L	0.5	mcg/mL	MCR
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Concentration at which toxicity occurs varies and should be interpreted in light of the clinical situation.

-- EXPECTED VALUES --

20.0-40.0 (Therapeutic range)

>=60.0 (Toxic concentration)

Mephobarbital, S

Mephobarbital, S	L	0.5	mcg/mL	MCR
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Concentration at which toxicity occurs varies and should be interpreted in light of the clinical situation.

-- EXPECTED VALUES --

1.0-7.0 (Therapeutic range)

>=15.0 (Toxic concentration)

*** PERFORMING SITE**

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First Street SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.
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PATIENT NAME TESTING, GEN	ORDER STATUS Final	COLLECTION DATE AND TIME 05/06/09 11:00 A
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Specimen receipt and report times are in CST/CDT

REPRINT

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