

**TRIPEPTIDYL PEPTIDASE 1 (TPP1) AND PAMITOYL-PROTEIN
THIOESTERASE (PPT1), LEUKOCYTES
#89494**

USEFUL FOR: Evaluation of patients with clinical presentations suggestive of Neuronal Ceroid Lipofuscinoses (NCL).
An aid in the differential diagnosis of infantile and late infantile NCL.

METHODOLOGY: Fluorometric Enzyme Assay

REFERENCE VALUES: TPP1: 85-326 nmol/hr/mg protein
PPT1: 20-93 nmol/hr/mg protein

SPECIMEN REQUIREMENTS: Draw blood in a yellow-top (ACD) tube(s), and send 7 mL of ACD whole blood refrigerated. Specimen cannot be frozen. Do not transfer blood to other containers.

NOTE: Specimen must arrive within 48 hours of draw to be stabilized. Draw specimen Monday through Thursday only. Do not draw the day before a holiday. Specimen should be drawn and packaged as close to shipping time as possible.

CAUTIONS: This assay does not detect carrier status of NCL.

LIST FEE: \$ 271.30

CPT CODE: 82657

ANALYTIC TIME: 1 day

DAY(S) SET-UP: Varies

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Sara Siewert, Mayo Medical Laboratories' Technologist Support
Telephone: 800-533-1710

TEST DEFINITION

8/21/2009

Code Name

89494 TPP1 and PPT1, WBC

**** End of Name to order code Report ****

MML MML Test setup information

ORDER CODE	EFF DATE	TC	TITLE	Checking Normals	Print normals (# coded)	Perform Site *
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89494	7/17/2009		TPP1 and PPT1, WBC			MCR
			Transport temp : Refrig\Ambient NO\Frozen NO			
			50688 Specimen			
			- - - - -			
			50689 Specimen ID			
			- - - - -			
			50690 Source			
			- - - - -			
			50691 Order Date			
			- - - - -			
			50692 Reason for Referral			
			- - - - -			
			50693 Method			
			- - - - -			
			50694 TPP1L			
			Units: nmol/hr/mg prot			
			NO SEX			
			All Ages : 85-326		; 85-326	
			MALE			
			All Ages : 85-326		; 85-326	
			FEMALE			
			All Ages : 85-326		; 85-326	
			- - - - -			
			50695 PPT1L			
			Units: nmol/hr/mg prot			
			NO SEX			
			All Ages : 20-93		; 20-93	
			(continued next page)			

MML MML Test setup information

ORDER CODE -----	EFF DATE -----	TC -----	TITLE -----	Checking Normals -----	Print normals (# coded) -----	Perform Site * -----
89494	(continued)					
		50695	PPT1L (continued)			
			MALE	All Ages : 20-93	; 20-93	
			FEMALE	All Ages : 20-93	; 20-93	
		50696	Interpretation			
		50697	Amendment			
		50698	Reviewed By			
		50699	Release Date			

*Performing Site Legend

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MCR      Mayo Clinic Dpt of Lab Med & Pathology      LAB DIRECTOR:  Franklin R. Cockerill, III, M.D.
          200 First Street SW
          Rochester, MN 55905
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*** End of Report ***

MML Messages used as normals

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CODE      TEXT
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Total of 0 normals codes

*** End of Report ***

1-800-533-1710

PATIENT NAME TESTING, 89494		PATIENT NUMBER		AGE 12	SEX F	ACCESSION # G9132797
ORDERING PHYSICIAN		CLIENT ORDER #			ACCOUNT # LIAISONS	
COLLECTION 07/28/09 02:52 P	RECEIVED 07/28/09 02:52 P	REPORT PRINTED 08/21/09 08:55 A		SPECIMEN INFORMATION DATE OF BIRTH:		
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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TPP1 and PPT1, WBC

Specimen	Blood			MCR
Specimen ID	1038437			MCR
Order Date	29 Jul 2009 10:26			MCR
Reason for Referral	Reason for referral not provided.			MCR
Method	Fluorometric Enzyme Assay			MCR
TPP1L	236	nmol/hr/mg prot	85-326	MCR
PPT1L	92	nmol/hr/mg prot	20-93	MCR
Interpretation	<p>In this sample the activity of both Palmitoyl-Protein Thioesterase 1 and Tripeptidyl Thioesterase 1 enzymes are normal. These results indicate that this individual does not have a defect in either the CLN1 or CLN2 gene. However, this does not rule out other forms of neuronal ceroid lipofuscinosis. If clinically indicated, additional testing by Electron Microscopy (MML # 4993) is recommended. Please contact the Biochemical Genetics consultant or genetic counselor on call (1-800-533-1710) to determine the best testing strategy or if you have any questions.</p>			MCR
Reviewed By	Kimiyo M Raymond MD			MCR
Release Date	04 Aug 2009 12:52			MCR

* 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, 89494	ORDER STATUS Final	COLLECTION DATE AND TIME 07/28/09 02:52 P
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