

Effective February 17, 2021, Tricore Reference Laboratories’ Molecular Diagnostics Laboratory offers inhouse testing for MYD88 L265P mutation. MYD88 mutations have been found in >90% of cases of lymphoplasmacytic lymphoma, and are only very rarely reported in other small B-cell lymphomas. Detection of this mutation is helpful in rendering a more definitive diagnosis of lymphoplasmacytic lymphoma over other similar morphologic and immunophenotypic B-cell lymphoproliferative disorders. Additionally, more recent studies have shown that the MYD88 L265P mutation may be associated with diffuse large B-cell lymphomas which originate in immunologically privileged sites and also in diffuse large B-cell lymphomas with activated B-cell (ABC) phenotype, which may offer additional prognostic information in patients with high-grade B-cell lymphomas. Moreover, patients with MYD88 L265P mutations in various types of B-cell lymphomas have shown improved response to treatment with Bruton’s tyrosine kinase inhibitors in clinical trials.

TEST NAME	CPT CODE	METHODOLOGY	TESTING PERFORMED	REPORTED
MYD88 L265P Mutation Detection by PCR	81305	LNA PCR	Tuesday	Within 1-14 days
COLLECTION				
Specimen	Preferred: whole blood Acceptable: bone marrow tissue: fresh or formalin-fixed, paraffin-embedded block			
Collection Containers	Preferred: lavender top tube (EDTA) Acceptable: pink top (EDTA) yellow top (ACD) fresh tissue on sterile saline-soaked gauze with ice pack tissue formalin-fixed, paraffin-embedded block			
Collection Amount(s):	Preferred volume 5.0mL Minimum volume: 2.0 mL			
Rejection Criteria	Frozen samples are unacceptable.			
PROCESSING				
Specimen Processing Instructions	Do not centrifuge. Do not open or share tube.			
SHIPPING/TRANSPORT AND STORAGE				
Stabilities/Storage (Collection to initiation of testing)	<u>Temperature</u>	<u>Stability</u>		
	Ambient	5 days		
	Refrigerated	5 days		
Shipping Instructions	Ship overnight for Monday – Saturday receipt ambient: whole blood bone marrow tissue in paraffin-embedded block in protective sleeve (warm weather requires cooled container) ice pack: fresh tissue on sterile saline-soaked gauze in sterile container			