CEBPA Mutation by PCR

Order Name: **CEBPA PCR**
Test Number: 9616990
Revision Date: 01/24/2025

TEST NAME	METHODOLOGY	LOINC CODE
CEBPA Mutation by PCR	Polymerase Chain Reaction	

SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	**5 mL (3 mL)**	**Whole Blood**	**EDTA (Lavender Top)**	**Room Temperature**
Alternate 1	**5 mL (3 mL)**	**Whole Blood**	**Sodium Heparin (Green Top / No-Gel)**	**Room Temperature**
Alternate 2	**2 mL (1 mL)**	**Bone Marrow**	**EDTA (Lavender Top)**	**Room Temperature**
Alternate 3	**2mL (1mL)**	**Bone Marrow**	**Sodium Heparin (Green Top / No-Gel)**	**Room Temperature**

Instructions

Specimen: 5mL(3mL) Whole Blood or 2mL (1mL) Bone Marrow
Container: Lavender-top (EDTA) tube, green-top (sodium heparin) tube
Collection: Indicate date and time of collection on the test request form. Submit specimen at room temperature ASAP, Keep at room temperature! (DO NOT FREEZE). Frozen samples will be rejected.
Storage Instructions: Maintain specimen at room temperature. If specimen is to be stored prior to shipment, store at 2°C to 8°C.
Cause for Rejection: Specimen does not meet all of the above criteria for sample type, container, minimum volume, collection and storage; unsuitable specimens include but are not limited to: frozen whole blood or marrow; a leaking tube; clotted blood or marrow; a grossly hemolyzed specimen or otherwise visibly degraded; specimen suspected of being contaminated by another specimen; specimen contains specific foreign material.

GENERAL INFORMATION

Testing Schedule	Mon- Fri
Expected TAT	12-14 Days from set up.
Clinical Use	Determine prognosis in cytogenetically normal acute myelogenous leukemia (CN-AML The CEBPA (CCAAT/enhancer binding protein) gene encodes a transcription factor important for granulocyte differentiation. CEBPA mutations are found in 6% to 15% of de novo acute myeloid leukemia (AML) and in 15% to 18% of AML with normal karyotypes. CEBPA mutations are associated with favorable prognosis in the absence of associated cytogenetic abnormalities and FLT3 internal duplication (FLT3-ITD). Germline CEBPA mutations are a cause of nonsyndromic, familial AML.
CPT Code(s)	81218
Service Provided By	labcorp Oklahoma, Inc.