

HOTLINE: Effective November 16, 2020

2011117

Myeloid Malignancies Mutation Panel by Next Generation Sequencing

MYE NGS

**Specimen Required:** Collect: Lavender (EDTA), Green (sodium heparin), Bone Marrow (EDTA), or Bone Marrow (sodium heparin). Fresh-frozen tissue.  
Specimen Preparation: **Whole Blood and Bone Marrow:** Transport 3 mL. (Min: 1.5 mL)  
**Fresh-frozen Tissue:** Transport 5 mg fresh-frozen tissue. (Min: 5 mg)  
 Separate specimens must be submitted when multiple tests are ordered  
Storage/Transport Temperature: **Whole Blood or Bone Marrow:** Refrigerated.  
**Fresh-frozen Tissue:** Frozen.  
Unacceptable Conditions: Serum, plasma, grossly hemolyzed specimens, buccal brush or swab, FFPE tissue.  
Stability (collection to initiation of testing): **Whole Blood or Bone Marrow:** Ambient: 72 hours; Refrigerated: 1 week; Frozen: Unacceptable  
**Fresh-frozen Tissue:** Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 1 month

**Note:** **Genes** tested: ANKRD26, ASXL1, ASXL2, BCOR, BCORL1, BRAF, CALR, CBL, CBLB, CEBPA, CSF3R, CUX1\*, DDX41, DNMT1\*, DNMT3A, ELANE, ETNK1, ETV6, EZH2, FBXW7, FLT3, GATA1, GATA2, GNAS, HNRNPk, IDH1, IDH2, IL7R, JAK1, JAK2, JAK3, KDM6A\*, KIT, KMT2A, KRAS, LUC7L2, MPL, NOTCH1, NPM1\*, NRAS, NSD1, PHF6, PIGA, PRPF40B, PRPF8, PTPN11, RAD21, RUNX1, SETBP1, SF3B1, SH2B3, SMC1A, SMC3, SRSF2, STAG2, STAT3, STAT5B\*, SUZ12\*, TET2, TP53, U2AF1, U2AF2, WT1, ZRSR2

\*One or more exons are not covered by sequencing for the indicated gene; see Additional Technical Information