

Tumor Specific *BCR-ABL1* FISH, Qualitative, and Quantitative Tests

- I. Tumor specific *BCR-ABL1* FISH, qualitative, or quantitative tests in hematologic malignancies are considered **medically necessary** when:
 - A. The member is suspected to have a myeloproliferative neoplasm (MPN), **OR**
 - B. The member is undergoing diagnostic workup for:
 1. Acute lymphoblastic leukemia (ALL), **OR**
 2. Acute myeloid leukemia (AML), **OR**
 3. Chronic myeloid leukemia (CML), **OR**
 4. Lymphoblastic leukemia, **OR**
 - C. The member is undergoing monitoring of disease progression or for minimal residual disease (MRD) monitoring using a quantitative test only for:
 1. Acute lymphoblastic leukemia (ALL), **OR**
 2. Acute myeloid leukemia (AML), **OR**
 3. Chronic myeloid leukemia (CML).

DEFINITIONS

1. A **Myeloproliferative Neoplasm (MPN)** is a rare blood disease in which the bone marrow makes too many red blood cells, white blood cells, or platelets. There are seven subcategories of myeloproliferative neoplasms:

- a. Chronic myeloid leukemia (CML)
- b. Polycythemia vera (PV)
- c. Primary myelofibrosis (PMF)
- d. Essential thrombocytopenia (ET)
- e. Chronic neutrophilic leukemia
- f. Chronic eosinophilic leukemia
- g. Chronic eosinophilic leukemia-not otherwise specified
- h. MPN, unclassifiable (MPN-U)

REFERENCES

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2. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Acute Lymphoblastic Leukemia. Version 3.2024. https://www.nccn.org/professionals/physician_gls/pdf/all.pdf
3. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Oncology: Acute Myeloid Leukemia. Version 1.2025. https://www.nccn.org/professionals/physician_gls/pdf/aml.pdf
4. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Oncology: Myeloproliferative Neoplasms. Version 2.2024 https://www.nccn.org/professionals/physician_gls/pdf/mpn.pdf
5. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Chronic Myeloid Leukemia. Version 3.2025. https://www.nccn.org/professionals/physician_gls/pdf/cml.pdf