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**Reporting Title:** PML/RARA Quantitative, PCR**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus**Ordering Guidance:**

This assay may not detect rare, unusual *PML::RARA* fusions. Therefore, if the assay is going to be used for monitoring after treatment, the test should be performed at the time of diagnosis to ensure that the test gives a positive result.

**Shipping Instructions:**

1. Refrigerated specimens must arrive within 5 days of collection, and ambient specimens must arrive within 3 days of collection.
2. Collect and package specimen as close to shipping time as possible.

**Necessary Information:****The following information is required:**

1. Pertinent clinical history
2. Date of collection
3. Specimen source (blood or bone marrow)

**Specimen Requirements:****Submit only 1 of the following specimens:****Specimen Type:** Whole blood**Container/Tube:****Preferred:** Lavender top (EDTA)**Acceptable:** Yellow top (ACD)**Specimen Volume:** 10 mL**Collection Instructions:**

1. Invert several times to mix blood.
2. Send whole blood specimen in original tube. **Do not aliquot.**
3. Label specimen as blood.

**Specimen Type:** Bone marrow**Container/Tube:****Preferred:** Lavender top (EDTA)**Acceptable:** Yellow top (ACD)**Specimen Volume:** 4 mL**Collection Instructions:**

1. Invert several times to mix bone marrow.
2. Send bone marrow specimen in original tube. **Do not aliquot**
3. Label specimen as bone marrow.

**Forms:**

1. [Hematopathology Patient Information](#) (T676)
2. If not ordering electronically, complete, print, and send a [Hematopathology/Cytogenetics Test Request](#) (T726) with the specimen.

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated (preferred)	5 days	PURPLE OR PINK TOP/EDTA
	Ambient	72 hours	PURPLE OR PINK TOP/EDTA

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
PMLR	MP012	Specimen Type	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
MP012	Specimen Type	Alphanumeric		31208-2
19449	Interpretation	Alphanumeric		69047-9
39469	PMLR Result	Alphanumeric		No LOINC Needed

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

Supplemental

CPT Code Information:

81315-PML/RAR-alpha (t(15;17)), (PML-RARA regulated adaptor molecule 1) (eg, promyelocytic leukemia) translocation analysis; all breakpoints (eg, intron 3, intron 6 and variable in exon 6), qualitative or quantitative

Reference Values:

An interpretive report will be provided.

If positive, a value representing a ratio of *PML::RARA* fusion transcript to the control gene *ABL1* expressed as a percentage will be reported.