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**Reporting Title:** PML/RARA Quantitative, PCR**Performing Location:** Rochester**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.

**Specimen Minimum Volume:**

Blood: 8 mL; Bone Marrow: 2 mL

**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®
39469	PMLR Result	Alphanumeric		No LOINC Needed
MP012	Specimen Type	Alphanumeric		31208-2
19449	Interpretation	Alphanumeric		69047-9

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

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**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.