



## Test Definition: BADX

BCR/ABL1, Qualitative, Diagnostic Assay,  
Varies

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**Reporting Title:** BCR/ABL1, RNA-Qual, Diagnostic

**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus

### Ordering Guidance:

This test is only qualitative and should not be used for routine monitoring (ie, quantitative messenger RNA [mRNA] level).

Monitoring of most patients with chronic myeloid leukemia should be performed using BCRA190 / *BCR/ABL1*, p210, mRNA Detection, Reverse Transcription-PCR (RT-PCR), Quantitative, Monitoring Chronic Myelogenous Leukemia (CML), Varies.

Monitoring of patients known to carry a p190 fusion should be performed using BA190 / *BCR/ABL1*, p190, mRNA Detection, Reverse Transcription-PCR (RT-PCR), Quantitative, Monitoring Assay, Varies.

Additional testing options are available. [For ordering guidance](#) see [BCR/ABL1 Ordering Guide for Blood and Bone Marrow](#)

### Shipping Instructions:

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

### Necessary Information:

Pertinent clinical history including if the patient has a diagnosis of chronic myelogenous leukemia or other *BCR::ABL1*-positive neoplasm is required.

### 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
BADX	MP001	Specimen Type	Plain Text	Yes

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
MP001	Specimen Type	Alphanumeric		31208-2
19783	Interpretation	Alphanumeric		69047-9
39466	Diagnostic BCR/ABL1 Result	Alphanumeric		No LOINC Needed

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

**Supplemental Report:**

No

**CPT Code Information:**

81206  
81207  
81208

**Reference Values:**

A qualitative result is provided that indicates the presence or absence of *BCR::ABL1* messenger RNA. When positive, the fusion variant is also reported.