

BCR-ABL p190 QUANTITATIVE

CERNER ORDERABLE

BCR-ABL p190 QN PCR
BCR-ABL p190 Translocation
BCR/ABL Evaluation

CPT CODE

81207

CLINICAL UTILITY

The BCR-ABL p190 quantitative test is intended for the accurate quantification of *BCR-ABL* e1 exon transcripts in peripheral blood samples of CML or Ph+ ALL or patients previously diagnosed with a Ph+ leukemia. The results obtained can be used to monitor efficiency of treatment of patients undergoing therapy and for Minimal Residual Disease (MRD) follow-up to monitor disease relapse.¹

METHODOLOGY

The qRT-PCR assay tests for p190 BCR-ABL fusion form (e1a2 BCR-ABL fusion gene transcript) commonly found in Ph+ ALL. The copy number of p190 BCR-ABL fusion gene transcripts is expressed relative to the copy number of ABL reference gene transcripts with conversion to a percentage (BCR-ABL as a percentage of total ABL). Monitoring should be performed using the same method and laboratory for each subsequent specimen. Significant changes during monitoring should be verified with a subsequent specimen if the results are being used to make major therapeutic decisions.

SPECIMENS

Whole blood collected in a lavender-top (EDTA) tube(s) is the preferred specimen. EDTA whole blood should be received in the original VACUTAINER(S).
Minimum acceptable sample volume is 5 mL whole blood.

- Specimens are accepted M-F, until noon on Friday due to extraction requirements.

SPECIMEN STABILITY and SHIPPING

Specimens must arrive within 24 hours of collection due to stability of RNA!!!

Whole blood may be transported to the laboratory at 2-25°C. DO NOT FREEZE specimens.

CAUSES FOR REJECTION

Specimen not received within 24 hours of the collection time.

Specimen not collected in EDTA tubes.

Frozen specimens.

SPECIFICITY

Only e1a2 BCR-ABL fusion gene transcripts are detected. p210 and p230 transcripts are not detected.

ASSAY RANGE

BCR-ABL p190 transcripts not detected.

BCR-ABL p190 transcripts detected 0.002 to 100%

1. Reference information can be found in the Indiana University Health Molecular Assay Procedures.

BCR-ABL p190 transcripts detected <0.002%.

TURNAROUND TIME

7-10 days

1. Reference information can be found in the Indiana University Health Molecular Assay Procedures.