

IDH1 (R132) and IDH2 (R140 and R172) Quantitative Detection, Droplet Digital PCR, Varies

Test ID: IDHQ

Useful for:

Detecting IDH1 R132 and IDH2 R140 and R172 mutations in acute myeloid leukemia patients at the time of diagnosis to guide targeted therapy

Monitoring minimal residual disease during the clinical and therapeutic course.

Methods:

Droplet Digital Polymerase Chain Reaction (ddPCR)

Reference Values:

An interpretive report will be provided.

Specimen Requirements:

Submit only 1 of the following specimens

Specimen Type: Whole blood

Container/Tube:

Preferred: Lavender top (EDTA)

Acceptable: Yellow top (ACD-B) or green top (heparin)

Specimen Volume: 4mL

Minimum Volume: 4mL

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 Stability: Refrigerated 14 days/ Ambient 7 days

Specimen Type: Bone marrow aspirate

Container/Tube:

Preferred: Lavender top (EDTA)

Acceptable: Yellow top (ACD-B) or green top (heparin)

Specimen Volume: 2mL

Minimum Volume: 2mL

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 Stability: Refrigerated 14 days/ Ambient 7 days

Specimen Type: Extracted DNA from blood or bone marrow

Container/Tube: 1.5- to 2-mL tube with indication of volume and concentration of DNA

Specimen Volume: Entire specimen

Minimum Volume: 50 mcL at 50 ng/mcL

Collection Instructions:

1. Label specimen as extracted DNA and source of specimen

2. Indicate volume and concentration of DNA on label. The required volume of DNA is at least 50 mcL at a concentration of 50 ng/mcL

Specimen Stability: Frozen (preferred)/Refrigerated

Specimen Stability Information:

Specimen Type	Temperature	Time
Varies	Refrigerated (preferred)	14 days
	Ambient	7 days

Cautions:

Other IDH1 or IDH2 variants outside the 16 assay targets are not detected by this assay

CPT Code:

81120

81121

Day(s) Performed: Monday through Saturday

Report Available: 4 to 8 days

Questions

Contact Connie Penz, Laboratory Technologist Resource Coordinator at 800-533-1710.