

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 10/8/2006
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Myeloperoxidase Stain

ARUP test code 0049030

Myeloperoxidase Stain

Positive

Patient's neutrophils stain with MPO. Control stains appropriately.

TEST INFORMATION: Myeloperoxidase stain

The myeloperoxidase staining is helpful in differentiating myeloid leukemias. Myeloperoxidase staining is negative in the granulocytes in congenital and acquired peroxidase deficiencies. Peroxidase positive granules are found in some myeloblasts, promyelocytes, myelocytes, metamyelocytes, neutrophils, eosinophils, and monocytes. Monocytes stain diffusely and less intensely than neutrophils and eosinophils. Auer rods are peroxidase positive.

Methodology: Enzyme cytochemistry - In the presence of hydrogen peroxide and dimethylsulfoxide, the enzyme peroxidase oxidizes the substrate 3-amino-9ethylcarbazole to a red-brown color at the site of peroxidase activity in the cell's cytoplasm.

Results of this test must be interpreted within the clinical context. This test should not be used alone to determine diagnosis.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Myeloperoxidase Stain	20-121-107077	4/30/2020 8:33:00 AM	5/1/2020 1:03:43 PM	5/5/2020 11:04:00 AM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at: