

Example Client, XYZ123 1234 Warde Road Ann Arbor MI 48108 EXAMPLE, REPORT W WX0000003827 M 07/08/1978 45 Y

		Referral	Testing					
		Collec	ted: 10/20/2023	3 12:05 Re	ceived: 10/20/202	23 12:05		
Test Nam	<u>e</u>	<u>Result</u>	Flag	Ref-Ranges	<u>Units</u>	Site		
JAK2 E	Exon 12 Mutation Analysis	by PCR						
	2, Source	Whole Blood				ARF		
JAK2 Exon 12 Mutation Analysis by PCR		Positive				ARF		
	There is evidence of a JAK2	2 mutation in Exc	on 12.					
	This result has been reviewed and approved by Jay Patel,							
	M.D. INTERPRETIVE INFORMATION: JAK2 Exon 12 Mutation Analysis by PCR							
DNA from whole blood or bone marrow is isolated and subjected to PCR amplification in the presence of a short blocking oligonucleotide homologous to exon 12 (codons 537-544) of the wild-type JAK2 gene. The oligonucleotide is designed to specifically suppress PCR amplification of wild-type JAK2 exon 12 sequence. In contrast, JAK2 exon 12 mutations located between codons 537-544 disrupt proper binding of the blocking oligonucleotide during PCR amplification resulting in a product of approximately 225 base-pairs. Each assay includes control DNA from mutation positive and wild-type negative samples; all samples are tested in paired reactions with and without blocking oligonucleotide. A PCR product formed in the presence of blocking oligonucleotide indicates the presence of a mutation.								
	Results of this test must a context of clinical and oth as erythropoietin level, ex elevated hemoglobin, and sh diagnosis of polycythemia of malignancy, i.e, myeloproli	ner relevant labo cclusion of other nould not be usec vera which is a f	oratory data c causes of d alone for a form of	such				
	This test is expected to de harboring a JAK2 exon 12 mu		000 normal c	ells				
	This test was developed and determined by ARUP Laborato approved by the US Food and was performed in a CLIA cer intended for clinical purpo Performed By: ARUP Laborato 500 Chipeta Way	ories. It has not d Drug Administra ctified laborator oses.	t been cleare ation. This	ed or				
	Salt Lake City, UT 84108		_					
	Laboratory Director: Jonath		ם אם ר					

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F420000014	Ordered By:	KAJAL SITWALA, MD, PhD	
WX000003827	WX0000000002365		
Printed D&T: 11/20/23 15:50			



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	Collected:	10/20/2023 12:05	Received:	10/20/202	23 12:05						
<u>Test Name</u> CLIA Number: 46D0523979	<u>Result</u>	Flag Ref-Rang Reported Date:	10/20/2023	Pe	<u>Site</u> JAK2P r <u>forming Site:</u> T 841081221						

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED