

HOTLINE: Effective May 20, 2019

New Test	3001399 SHOX-Related Disorders, Sequencing	ng SHOX FGS
Î	Additional Technical Information	Patient History for <i>SHOX</i> -Related Disorders
Methodology: Performed:	Polymerase Chain Reaction/Sequencing Sun-Sat	
Reported:	12-14 days	
Specimen Require	ed: <u>Collect:</u> Lavender (EDTA) or Pink (K ₂ EDTA). <u>Specimen Preparation:</u> Transport 3 mL whole blood. (Min: 1 mL) <u>Storage/Transport Temperature:</u> Refrigerated. <u>Stability (collection to initiation of testing):</u> Ambient: 1 week; Refri	igerated: 1 month; Frozen: 6 months
Characteristics of wrist (Madelung dd dyschondrosteosis Prevalence of SHO Inheritance: SHO pseudoautosomal d Penetrance: High, Cause: One pathog cause LMD. Clinical Sensitivit Methodology: Bid Analytical Sensiti Limitations: Diag	 mation for SHOX-Related Disorders, Sequencing: SHOX-related disorders (SHOX deficiency): Short stature, mesomel eformity). Variable expressivity results in some affected individuals with (LWD) or Langer mesomelic dysplasia (LMD)), while others have isol DX deficiency: 1 in 1,000 X is located in pseudoautosomal region 1 (PAR1) on the X and Y chroniominant for ISS and LWD, and pseudoautosomal recessive for LMD. with variability in expression. genic variant (haploinsufficiency) of the SHOX gene causes ISS and LW y: Approximately 10-20 percent of disease-causing variants in SHOX a irrectional Sanger sequencing of the SHOX coding regions, including exvity and Specificity: Greater than 99 percent. nostic errors can occur due to rare sequence variations. Large deletions/gion variants are not detected. 	th syndromic short stature and additional findings (eg, Leri-Weill ated short stature (ISS). nosomes and escapes X-inactivation. Thus, inheritance is VD. Two pathogenic variants in <i>SHOX</i> (complete loss of <i>SHOX</i>) re sequence variants. con 6a and 6b, and intron-exon boundaries.
Counseling and inf	ormed consent are recommended for genetic testing. Consent forms are	e available online at www.aruplab.com.
See Compliance St	atement C: www.aruplab.com/CS	-

CPT Code(s): 81405

New York DOH approval pending. Call for status update.

HOTLINE NOTE: Refer to the Test Mix Addendum for interface build information.