Warde Medical Laboratory

LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 45 Y

Referral Testing

Collected: 08/18/2023 10:33 Received: 08/18/2023 10:33

Test Name	Result	Flag	Ref-Ranges	Units	Site

Y Chromosome Microdeletion, DNA Analysis

Referring Physician Phone	N/A				QCRL
Y Chromosome Microdeletion	See Below				QCRL

RESULT: NO DELETION DETECTED

Interpretation: This individual is negative for deletions in the AZF regions of the Y chromosome. Therefore, infertility in this individual is not likely to be caused by deletions in the AZF regions of the Y chromosome. This result does not rule out other genetic abnormalities causing male infertility.

Laboratory results and submitted clinical information reviewed by Yili Xie, Ph.D.,FACMG,CGMBS.

DETAILED ASSAY INFORMATION: Approximately 10% - 20% of male infertility is caused by deletions in one or more regions on the long arm of the Y chromosome (Yq11.2). Deletions of the Y chromosome have been observed rarely in fertile men (NEJM 336(8): 534-539, 1997). Greater than 95% of the Y chromosome deletions that have been reported in the literature are detectable by the methodology used in this assay.

METHODOLOGY: Multiplex polymerase chain reaction and agarose gel electrophoresis were used to detect 20 regions on the long arm of the Y chromosome. Lack of amplification of two or more adjacent markers indicates a Y chromosome deletion.

Markers tested: SY14 (SRY), SY81 (DYS271), SY86 (DYS148), SY84 (DYS273), SY182 (KALY), SY121 (DYS212), SYPR3 (SMCY), SY124 (DYS215), SY127 (DYS218), SY128 (DYS219), SY130 (DYS221), SY133 (DYS223), SY134 (DYS224), SY145 (DYF51S1), SY152 (DYS236), SY242 (DAZ), SY208 (DAZ), SY254 (DAZ), SY255 (DAZ), SY157 (DYS240).

LIMITATIONS: This assay is limited to the detection of deletions that affect the markers listed above. We are unable to determine if the absence of a single marker is caused by a deletion or a nucleotide sequence variation in the binding site for one of the PCR primers used to amplify that marker. Although rare, false positive or false negative results may occur. All results should be interpreted in the context of clinical findings, relevant history, and other laboratory data.

Health care providers, please contact your local Quest Diagnostics' genetic counselor or call 1-866-GENEINFO (1-866-436-3463) for

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assistance with the interpretation of these results.

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.
Reviewed and signed by Laboratory results and submitted clinical information reviewed by Yili Xie, Ph.D.,FACMG,CGMBS, Signed on 08/10/2023 at 05:47
Test Performed at:
Quest Diagnostics Nichols Institute
33608 Ortega Highway
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

Performing Site:
QCRL: QUEST DIAGNOSTICS REFERENCE LAB CAPISTRANO 33608 Ortega Highway San Juan Capistrano CA 92675

Reported Date: 2023.08.18 10:34 YCMIC