MAYO CLINIC
Mayo Medical Laboratories

LABORATORY SERVICE REPORT

1-800-533-1710

PATIENT NAME	PATIENT NUMBER	AGE	SEX	ACCESSION #
TESTING, 88540	L3MRNG9166156	NOT GI		G9166156

ORDERING PHYSICIAN	CLIENT ORDER #	ACCOUNT #
		LIAISONS

COLLECTION DATE TIME	RECEIVED DATE TIME	REPORT PRINTED DATE TIME	SPECIMEN INFORMATION
03/08/11 11:12 A	03/08/11 11:12 A	03/09/11 10:24 A	DATE OF BIRTH:

Test Client
Attn: Mayo Liaisons
200 First Street SW
Rochester, MN 55905
507-284-8202

TEST REQUESTED	HI LO	REF RANGE	PERFORM SITE *

Kallmann, Xp22.3, FISH — **REPORTED: 03/08/11 11:17 A**

Specimen	**Blood**	**MCR**
Specimen ID	**1053709**	**MCR**
Order Date	**08 Mar 2011 11:12**	**MCR**

Reason for Referral — **MCR**

r/o Xp22.3 (KAL) deletion, hypogonadotropic, hypogonadism

Method — **MCR**

FISH for Kallmann syndrome using a probe for the critical region (KAL) at Xp22.3 and a control probe (DXZ1) at the X chromosome centromere.

Result — **ish Xp22.3(KALx1)** — **MCR**

KAL hybridized to the X chromosome in ten metaphase cells.

Interpretation — **MCR**

The result is within normal limits. No deletion of the KAL1 gene region was observed.
The result does not rule out a diagnosis of Kallmann syndrome. This syndrome is genetically heterogeneous and the majority of patients have mutations that will not be detected by this assay. Although genetic testing is available to detect molecular abnormalities that can cause this disorder, such testing is not available at Mayo Clinic. A genetic consultation may be of benefit. Ballabio A et al., Chapter 225 in The Online Metabolic & Molecular Bases of Inherited Disease. URL: http://www.ommbid.com accessed on 12/13/2007; Dode, C., et al. Nature Genetics 33:463 465, 2003.
A full chromosome analysis (test #8696) was not performed in this laboratory, but may be of benefit if clinically warranted and it may be possible to perform this test on cells that we have stored from this specimen. An array CGH study (test #88898) may be of benefit to detect clinically

** Perform Site Legend on last page of report*

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relevant gains or losses of chromosomal material not visible by this FISH test.
For more information regarding further testing please call 800 533 1710.
DISCLAIMER: This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN. It has not been cleared or approved by the U.S. Food and Drug Administration. This FISH assay does not rule out other chromosome abnormalities.

Consultant	**Heather Lynn Owen**	**MCR**
Released Date	**08 Mar 2011 11:16**	**MCR**

*** PERFORMING SITE**

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First Street SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

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