

Zygosity Testing (Multiple Births)

PATIENT NAME SAMPLEREPDMGLM, VLD20150728A0003			ORDER NUMBER D628000370
PATIENT ID SA00001265	DATE OF BIRTH 01/01/1981	SEX Male	REQUESTED BY CLIENT CLIENT
COLLECTED 7/27/2015, 9:51 AM	RECEIVED 7/28/2015, 10:10 AM	REPORTED 7/29/2015, 2:26 PM	
7028846 DLMP Rochester Rochester MN 55901			CLIENT ORDER NUMBER SA00001265
			CLIENT MRN SA00001265

RESULT SUMMARY

MONOZYGOTIC

RESULT

The genotypes of Sample, Twin A (Order Number D628000370; MRN SA00001265) and Sample, Twin B (Order Number D628000371; MRN SA00001266) for the tested markers are the same. Please see attached pedigree for additional details.

INTERPRETATION

The probability that these siblings are monozygotic (identical) twins is approximately 99.9996%.

This calculation is based on the prior probability that a given pair of twins is monozygotic (30%), the observation that the twins are of the same sex, and the results of DNA marker analysis from both individuals and their parents.

REASON FOR REFERRAL

Determine if siblings are monozygotic (identical) twins

SPECIMEN

WB Whole Blood

METHOD

A PCR-based assay on the DNA from siblings and their parents was used to analyze a series of unique polymorphic markers to determine if these siblings are monozygotic twins. The markers used include: D2S2368, D6S441, D7S484, D8S262, D10S197, D13S158, D14S70, D15S1002, D16S520, D17S250, D21S1252, and mycl.

DISCLAIMER

An online research opportunity called GenomeConnect (genomeconnect.org), a project of ClinGen, is available for the recipient of this genetic test. This patient registry collects de-identified genetic and health information to advance the knowledge of genetic variants. Mayo Clinic is a collaborator of ClinGen. This may not be applicable for all tests.

Test results should be interpreted in the context of clinical findings, family history, and other laboratory data. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

Rare polymorphisms exist that could lead to false-negative or false-positive results. If results obtained do not match the clinical findings, additional testing should be considered.

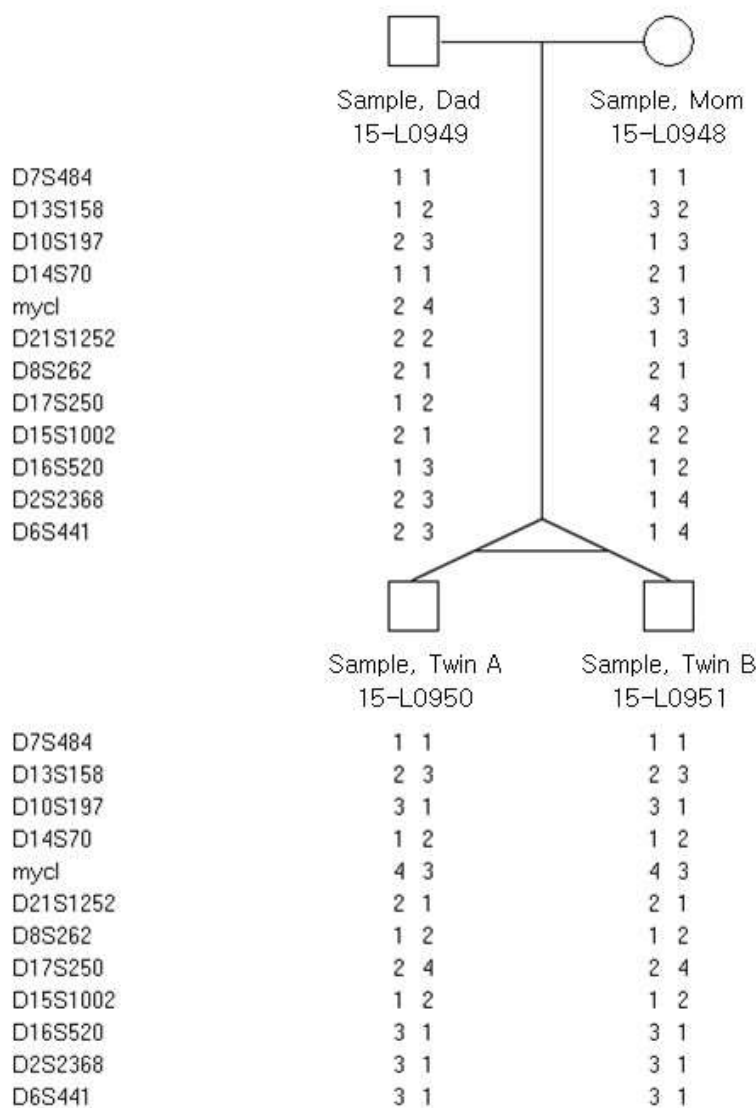
Bone Marrow transplants from allogenic donors will interfere with testing. Call Mayo Medical Laboratories for instructions for testing patients who have received a bone marrow transplant.

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Multiple in-silico evaluation tools may have been used to assist in the interpretation of these results. Of note, the sensitivity and specificity of these tools for the determination of pathogenicity is currently unvalidated. Laboratory developed test.			
RELEASED BY EMILY LAUER			

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<u>CODE</u>	<u>LABORATORY</u>	<u>ADDRESS</u>	<u>LAB DIRECTOR</u>
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 FIRST STREET SW ROCHESTER MN , 55905-0001	WILLIAM G MORICE, II , MD, PhD

Report times for Laboratory Name performed tests are CST/CDT.

The collected, received, and reported dates and times on the report are in the time zone of the performing location.