

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 9/4/2020
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Twin Zygosity

ARUP test code 3016875

Twin Zygosity Specimen whole Blood

Twin Zygosity Interpretation Dizygotic

Dizygotic twins: Two or more genetic markers are not identical, indicating dizygotic twins.

This result has been reviewed and approved by [REDACTED]

BACKGROUND INFORMATION: Twin Zygosity

CHARACTERISTICS: Monozygotic twins originate from a single fertilized ovum dividing into two embryos while dizygotic twins result from ovulation of two eggs during a single menstrual cycle.

INCIDENCE: Twins are delivered 1 in 77 Caucasian births; 70 percent are dizygotic and 30 percent are monozygotic.

INHERITANCE: Multifactorial

CAUSE: Dizygotic twinning is related to increased levels of maternal follicle stimulating hormone.

CLINICAL SENSITIVITY: 99 percent

METHODOLOGY: PCR followed by capillary electrophoresis; samples are analyzed using 15 autosomal short tandem repeat markers (D8S1179, D21S11, D7S820, CSF1PO, D3S1358, TH01, D13S317, D16S539, D2S1338, D19S433, vwa, TPOX, D18S51, D5S818 and FGA) and one gender marker (Amelogenin).

ANALYTICAL SENSITIVITY: 99 percent

LIMITATIONS: Diagnostic errors can occur due to rare sequence variations.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

Counseling and informed consent are recommended for genetic testing. Consent forms are available online.

H=High, L=Low, *=Abnormal, C=Critical

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Twin Zygosity Specimen	23-320-107037	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Twin Zygosity Interpretation	23-320-107037	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 23-320-107037
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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