

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 7/12/2004  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Twin Zygosity Testing (Extended TAT as of 11/20/20-no referral available)**

ARUP test code 0050547

Twin Zygosity Testing Specimen whole Blood

Twin Zygosity Testing Interpretation Monozygotic

Monozygotic twins: All markers are identical, indicating greater than 99 percent probability of monozygotic twins.

This result has been reviewed and approved by [REDACTED]

**BACKGROUND INFORMATION: Twin Zygosity Testing**

**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.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

**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  
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 18-201-403131  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Twin Zygosity Testing Specimen	18-201-403131	7/18/2018 3:17:00 PM	7/21/2018 11:52:46 AM	7/27/2018 8:01:00 AM
Twin Zygosity Testing Interpretation	18-201-403131	7/18/2018 3:17:00 PM	7/21/2018 11:52:46 AM	7/27/2018 8:01:00 AM

END OF CHART

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

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