

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 3/10/1955  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**HLA Class I and II Panel (A,B,C,DRB1, DRB345, DQA1, DQB1, DPA1, DPB1) by Next Generation Sequencing**

ARUP test code 3002062

HLA Class I-Locus A*, Allele 1	02:01
HLA Class I-Locus A*, Allele 2	29:02
HLA Class I-Locus B*, Allele 1	44:03
HLA Class I-Locus B*, Allele 2	53:01
Bw, Allele 1	4
Bw, Allele 2	4
HLA Class I-Locus C*, Allele 1	04:01
HLA Class I-Locus C*, Allele 2	16:01
HLA Class II-Locus DRB1*, Allele 1	04:04 AGGNF
HLA Class II-Locus DRB1*, Allele 2	07:01 ESPUZ
HLA Class II-Locus DRB4*, Allele 1	01:03 ASMNG

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

Unless otherwise indicated, testing performed at:

HLA Class II-Locus DRB4*, Allele 2	01:03 ASMNG
HLA Class II-Locus DQA1*, Allele 1	02:01
HLA Class II-Locus DQA1*, Allele 2	03:01
HLA Class II-Locus DQB1*, Allele 1	02:02
HLA Class II-Locus DQB1*, Allele 2	03:02
HLA Class II-Locus DPA1*, Allele 1	01:03
HLA Class II-Locus DPA1*, Allele 2	01:03
HLA Class II-Locus DPB1*, Allele 1	03:01
HLA Class II-Locus DPB1*, Allele 2	04:01 EKAUW
HLA Class I and Class II Loci 11 Interp	See Note

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: 24-058-400155  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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4848

INTERPRETIVE INFORMATION: HLA Class I and II 11 Loci Panel  
NGS

Purpose: To identify HLA-A, -B, -C, -DRB1, -DRB345, -DQA1, -DQB1, -DPA1, and -DPB1 allelic polymorphisms on specimens for transplant candidates and their donors.

Methodology: PCR followed by next generation sequencing of HLA-A, -B, -C, -DRB1, -DRB345, -DQA1, -DQB1, -DPA1 and -DPB1 Loci.

Analytical Sensitivity & Specificity: >99 percent.

Limitations: Rare diagnostic errors can occur due to primer site mutations.

Test Results: Results are reported as HLA locus (A, B, C, DRB1, DRB345, DQA1, DQB1, DPA1, DPB1)\* followed by the two-field (four digit) assigned allele.

Disclaimer Information:

HLA typing is performed by one or more of the following methodologies: next generation sequencing (NGS) and/or sequence specific probe hybridization (SSOP). The NMDP code provides possible rare alleles that cannot be ruled out. Additional unknown DNA polymorphisms could exist outside of the regions analyzed, the significance of which is not known.

This test was developed and its performance characteristics determined by the Histocompatibility & Immunogenetics laboratory at the University of Utah Health, and has not been cleared or approved by the U.S. Food and Drug Administration (FDA). The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes; it should not be regarded as investigational or for research. The University of Utah Histocompatibility & Immunogenetics laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing.

Performed at: Histocompatibility & Immunogenetics Laboratory, University of Utah Health, 417 Wakara Way, Suite 3220, Salt Lake City, UT 84108.  
CLIA Number: 46D0679773

EER HLA Class I and Class II Loci 11

See Note

Authorized individuals can access the ARUP Enhanced Report using the following link:

[Redacted Link]

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
HLA Class I-Locus A*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class I-Locus A*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class I-Locus B*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class I-Locus B*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Bw, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Bw, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class I-Locus C*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class I-Locus C*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DRB1*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DRB1*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DRB4*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DRB4*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DQA1*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DQA1*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DQB1*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DQB1*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DPA1*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DPA1*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DPB1*, Allele 1	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class II-Locus DPB1*, Allele 2	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HLA Class I and Class II Loci 11 Interp	24-058-400155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER HLA Class I and Class II Loci 11	24-058-400155	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: