

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 8/16/1955  
**Sex:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**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 11:01  
Performed By:

HLA Class I-Locus A\*, Allele 2 25:01  
Performed By:

HLA Class I-Locus B\*, Allele 1 44:02  
Performed By:

HLA Class I-Locus B\*, Allele 2 51:01  
Performed By:

Bw, Allele 1 4  
Performed By:

Bw, Allele 2 4  
Performed By:

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

Unless otherwise indicated, testing performed at:

---

HLA Class I-Locus C\*, Allele 1                    05:01  
Performed By:

---

HLA Class I-Locus C\*, Allele 2                    15:02  
Performed By:

---

HLA Class II-Locus DRB1\*, Allele 1             08:01 DNDFM  
Performed By:

---

HLA Class II-Locus DRB1\*, Allele 2             11:01 AWZTN  
Performed By:

---

HLA Class II-Locus DRB3\*, Allele 1             02:02 ASMNG  
Performed By:

---

HLA Class II-Locus DQA1\*, Allele 1             04:02  
Performed By:

---

HLA Class II-Locus DQA1\*, Allele 2             05:05  
Performed By:

---

HLA Class II-Locus DQB1\*, Allele 1             03:01  
Performed By:

---

HLA Class II-Locus DQB1\*, Allele 2             04:02  
Performed By:

---

**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: 22-110-132649  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 2 of 4 | Printed: 12/21/2022 11:20:18 AM

HLA Class II-Locus DPA1\*, Allele 1                      01:03  
Performed By:

HLA Class II-Locus DPA1\*, Allele 2                      01:03  
Performed By:

HLA Class II-Locus DPB1\*, Allele 1                      03:01  
Performed By:

HLA Class II-Locus DPB1\*, Allele 2                      04:01  
Performed By:

HLA Class I and Class II Loci 11 Interp                      See Note  
Performed By:

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

**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: 22-110-132649  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 3 of 4 | Printed: 12/21/2022 11:20:18 AM

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:

**EER HLA Class I and Class II Loci 11**

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
HLA Class I-Locus A*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class I-Locus A*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class I-Locus B*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class I-Locus B*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
Bw, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
Bw, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class I-Locus C*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class I-Locus C*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DRB1*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DRB1*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DRB3*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DQA1*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DQA1*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DQB1*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DQB1*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DPA1*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DPA1*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DPB1*, Allele 1	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class II-Locus DPB1*, Allele 2	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:51:00 AM
HLA Class I and Class II Loci 11 Interp	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:57:00 AM
EER HLA Class I and Class II Loci 11	22-110-132649	4/20/2022 11:20:00 AM	4/22/2022 7:17:56 AM	4/27/2022 10:57:00 AM

END OF CHART

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

Unless otherwise indicated, testing performed at: