

HLA TYPING REPORT

Patient Information

Last Name : Date Of Birth :
 First Name : Histo ID : Patient ID
 Hospital : MR# :
 Physician :
 Diagnosis : MDS Received On : 01-Jun-2021
 Specimen Type : Whole Blood Collected On : 26-May-2021

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
02:01:01G	13:02:01G	03:03:01G	07:01:01G	NA	02:DKCVG	NA	NA	NA
30:01:01G	15:01:01G	06:02:01G	13:01:01G	NA	06:03:01G	NA	NA	NA

Typing Status : Complete

Null Allele Resolution Status : A*02:43N, A*02:83N, A*02:305N, A*02:356N, A*02:608N, A*02:675N, A*02:691N, A*30:130N, A*30:132N, B*13:139N, B*15:01:01:02N, B*15:483N, C*03:380N, C*03:432N, C*06:46N, C*06:211:01:01N, C*06:211:01:02N, DQB1*02:96N, DQB1*02:163N, DQB1*02:176N excluded

Donor(s) Results

Last Name/URD# : Date Of Birth :
 First Name : Histo ID : Donor ID 1
 Relation : Received On : 30-Jun-2021
 Specimen Type : Whole Blood Collected On : 25-Jun-2021
 MR# :

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
02:01:01G	13:02:01G	03:03:01G	07:01:01G	NA	02:DKCVG	NA	NA	NA
30:01:01G	15:01:01G	06:02:01G	13:01:01G	NA	06:03:01G	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 10/10 Matched

Null Allele Resolution Status : A*02:43N, A*02:83N, A*02:305N, A*02:356N, A*02:608N, A*02:675N, A*02:691N, A*30:130N, A*30:132N, B*13:139N, B*15:01:01:02N, B*15:483N, C*03:380N, C*03:432N, C*06:46N, C*06:211:01:01N, C*06:211:01:02N, DQB1*02:96N, DQB1*02:163N, DQB1*02:176N excluded

Last Name/URD# : Date Of Birth :
 First Name : Histo ID : Donor ID 2
 Relation : Received On : 18-Jun-2021
 Specimen Type : Whole Blood Collected On : 16-Jun-2021
 MR# :

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
02:01:01G	13:02:01G	03:03:01G	07:01:01G	NA	02:DKCVG	NA	NA	NA
30:01:01G	15:01:01G	06:02:01G	13:01:01G	NA	06:03:01G	NA	NA	NA

Typing Status : Complete

Matching Ratio with Patient : 10/10 Matched

Null Allele Resolution Status : A*02:43N, A*02:83N, A*02:305N, A*02:356N, A*02:608N, A*02:675N, A*02:691N, A*30:130N, A*30:132N, B*13:139N, B*15:01:01:02N, B*15:483N, C*03:380N, C*03:432N, C*06:46N, C*06:211:01:01N, C*06:211:01:02N, DQB1*02:96N, DQB1*02:163N, DQB1*02:176N excluded

Note:

1. Match ratio to Patient: Based on protein level in ARS (Exon 2 and 3 for Class I, Exon 2 for Class II).
2. Allele Database Version : 3.43.0 (Jan 2021)
3. Allele bearing suffix G : The first allele of the Included Alleles. Included alleles in the appendix
4. NMDP code is reported if G code is not available after analyzing non-ARS exons
5. Sequencing Technology : Illumina Sequencing / PacBio Sequencing
6. Reagent Information : Lot Number available upon request.

Report History		
Reported Date	History	Comments
06-Jul-2021	Patient: *****	
24-Jun-2021	Patient: *****	
07-Jun-2021	Patient: *****	

DIRECTOR / ASSOCIATE DIRECTOR _____

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : Patient ID				
A	02:01:01G	02:DMFHE	Exon 1,2,3,4	02:01:01:01/02:01:01:02L/02:01:01:03/02:01:01:04/02:01:01:05/ 02:01:01:06/02:01:01:07/02:01:01:08/02:01:01:09/02:01:01:10/ 02:01:01:11/02:01:01:12/02:01:01:13/02:01:01:14/02:01:01:15/ 02:01:01:16/02:01:01:17/02:01:01:18/02:01:01:19/02:01:01:20/ 02:01:01:21/02:01:01:22/02:01:01:23/02:01:01:24/02:01:01:25/ 02:01:01:26/02:01:01:27/02:01:01:28/02:01:01:29/02:01:01:30/ 02:01:01:31/02:01:01:32/02:01:01:33/02:01:01:34/02:01:01:35/ 02:01:01:36/02:01:01:37/02:01:01:38/02:01:01:39/02:01:01:40/ 02:01:01:41/02:01:01:42/02:01:01:43/02:01:01:44/02:01:01:45/ 02:01:01:46/02:01:01:47/02:01:01:48/02:01:01:49/02:01:01:50/ 02:01:01:51/02:01:01:52/02:01:01:53/02:01:01:54/02:01:01:55/ 02:01:01:56/02:01:01:57/02:01:01:58/02:01:01:59/02:01:01:60/ 02:01:01:61/02:01:01:62/02:01:01:63/02:01:01:64/02:01:01:65/ 02:01:01:66/02:01:01:67/02:01:01:68/02:01:01:69/02:01:01:70/ 02:01:01:71/02:01:01:72/02:01:01:73/02:01:01:74/02:01:01:75/ 02:01:01:76/02:01:01:77/02:01:01:78/02:01:01:79/02:01:01:80/ 02:01:01:81/02:01:01:82/02:01:01:83/02:01:01:84/02:01:01:85/ 02:01:01:86/02:01:01:87/02:01:01:88/02:01:01:89/02:01:01:90/ 02:01:01:91/02:01:01:92/02:01:01:93/02:01:01:94/02:01:01:95/ 02:01:01:96/02:01:01:97/02:01:01:98/02:01:01:99/02:01:01:100/ 02:01:01:101/02:01:01:102/02:01:01:103/02:01:01:104/02:01:01:105/ 02:01:01:106/02:01:01:107/02:01:01:108/02:01:01:109/02:01:01:110/ 02:01:01:111/02:01:01:112/02:01:01:113/02:01:01:114/02:01:01:115/ 02:01:01:116/02:01:01:117/02:01:01:118/02:01:01:119/02:01:01:120/ 02:01:01:121/02:01:01:122/02:01:01:123/02:01:01:124/02:01:01:125/ 02:01:01:126/02:01:01:127/02:01:01:128/02:01:01:129/02:01:01:130/ 02:01:01:131/02:01:01:132/02:01:01:133/02:01:01:134Q/02:01:01:135/ 02:01:01:136/02:01:01:137/02:01:01:138/02:01:01:139/02:01:01:140/ 02:01:01:141/02:01:01:142/02:01:01:143/02:01:01:144/02:01:01:145/ 02:01:01:146/02:01:01:147/02:01:01:148/02:01:01:149/02:01:01:150/ 02:01:01:151/02:01:01:152/02:01:01:153/02:01:01:154/02:01:01:155/ 02:01:01:156/02:01:01:157/02:01:01:158/02:01:01:159/02:01:01:160/ 02:01:01:161/02:01:01:162/02:01:01:163/02:01:01:164/02:01:01:165/ 02:01:01:166/02:01:01:167/02:01:01:168/02:01:01:169/02:01:130/ 02:01:135/02:01:148/02:01:154/02:01:159/02:01:160/02:01:163/ 02:01:166/02:01:167/02:665/02:686/02:689/02:716/02:719/02:722/02:742/ 02:744/02:779/02:786/02:792N/02:810/02:812/02:844/02:846/02:853/ 02:864:01:01/02:864:01:02/02:865/02:869/02:870/02:896N/02:916/02:917/ 02:928/02:930/02:942
A	30:01:01G	30:DEPYD	Exon 1,2,3,4	30:01:01:01/30:01:01:02/30:01:01:03/30:01:01:04/30:01:01:05/ 30:01:01:06/30:01:01:07/30:01:01:08/30:01:01:09/30:01:01:10/ 30:01:01:11/30:135/30:141/30:148/30:167
B	13:02:01G	13:CAVKS	Exon 2,3,4	13:02:01:01/13:02:01:02/13:02:01:03/13:02:01:04/13:02:01:05/ 13:02:01:06/13:02:01:07/13:02:01:08/13:02:01:09/13:02:01:10/ 13:02:01:11/13:02:01:12/13:02:01:13/13:02:01:14/13:02:01:15/

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
B	15:01:01G	15:DMZVY	Exon 2,3,4	13:02:01:16/13:02:20/13:02:28/13:114/13:116N/13:117/13:123Q/13:125/ 13:136 15:01:01:01/15:01:01:03/15:01:01:04/15:01:01:05/15:01:01:06/ 15:01:01:07/15:01:01:08/15:01:01:09/15:01:01:10/15:01:01:11/ 15:01:01:12/15:01:01:13/15:01:01:14/15:01:01:15/15:01:01:16/ 15:01:01:17/15:01:01:18/15:01:01:19/15:01:01:20/15:01:01:21/ 15:01:01:22/15:01:01:23/15:01:01:24/15:01:01:25/15:01:01:26/ 15:01:01:27/15:01:01:28/15:01:01:29/15:01:01:30/15:01:01:31/ 15:01:01:32/15:01:01:33/15:01:01:34/15:01:01:35/15:01:01:36/ 15:01:01:37/15:01:01:38/15:01:01:39Q/15:01:01:40/15:01:01:41/ 15:01:48/15:01:58/15:01:60/15:443/15:456/15:457/15:464/15:465/15:471/ 15:474/15:476/15:515/15:533/15:535/15:536/15:542/15:547/15:558/15:572
C	03:03:01G	03:DNDDD	Exon 2,3,4,7	03:03:01:01/03:03:01:02/03:03:01:03/03:03:01:04/03:03:01:05/ 03:03:01:06/03:03:01:07/03:03:01:08/03:03:01:09/03:03:01:10/ 03:03:01:11/03:03:01:12/03:03:01:13/03:03:01:14/03:03:01:15/ 03:03:01:16/03:03:01:17/03:03:01:18/03:03:01:19/03:03:01:20/ 03:03:01:21/03:03:01:22/03:03:01:23/03:03:01:24/03:03:01:25/ 03:03:01:26/03:03:01:27/03:03:01:28/03:03:01:29/03:03:01:30/ 03:03:01:31/03:03:01:32/03:03:01:33/03:03:01:34/03:03:01:35/ 03:03:01:36/03:03:01:37/03:03:01:38/03:03:01:39/03:03:01:40/ 03:03:01:41/03:03:01:42/03:03:01:43/03:03:36/03:03:46/03:03:53/ 03:20N/03:227/03:341/03:357/03:383/03:418/03:421N/03:471/03:481/ 03:503/03:517/03:528
C	06:02:01G	06:DMFHJ	Exon 2,3,4,7	06:02:01:01/06:02:01:02/06:02:01:03/06:02:01:04/06:02:01:05/ 06:02:01:06/06:02:01:07/06:02:01:08/06:02:01:09/06:02:01:10/ 06:02:01:11/06:02:01:12/06:02:01:13/06:02:01:14/06:02:01:15/ 06:02:01:16/06:02:01:17/06:02:01:18/06:02:01:19/06:02:01:20/ 06:02:01:21/06:02:01:22/06:02:01:23/06:02:01:24/06:02:01:25/ 06:02:01:26/06:02:01:27/06:02:01:28/06:02:01:29/06:02:01:30/ 06:02:01:31/06:02:01:32/06:02:01:33/06:02:01:34/06:02:01:35/ 06:02:01:36/06:02:01:37/06:02:01:38/06:02:01:39/06:02:01:40/ 06:02:01:41/06:02:01:42/06:02:01:43/06:02:01:44/06:02:01:45/ 06:02:01:46/06:02:01:47/06:02:01:48/06:02:01:49/06:02:01:50/06:02:60/ 06:02:61/06:02:64/06:02:76/06:02:80/06:02:82/06:83/06:213/06:214/ 06:227/06:228/06:236/06:239/06:244/06:255/06:261/06:266/06:273/ 06:274/06:277:01:01/06:277:01:02/06:278/06:285Q/06:297/06:312
DQB1	02:DKCVG	02:DKCVG	Exon 2,3	02:02:01:01/02:02:01:02/02:02:01:03/02:02:01:04/02:02:01:05/ 02:02:01:06/02:02:06:02/02:02:09/02:97/02:110/02:131/02:156/02:165/ 02:175
DQB1	06:03:01G	06:CZGWS	Exon 2,3	06:03:01:01/06:03:01:02/06:03:01:03/06:03:01:04/06:03:01:05/ 06:03:01:06/06:03:01:07/06:03:01:08/06:03:01:09/06:03:35/06:03:36/ 06:03:40/06:328/06:329/06:334/06:336/06:352/06:367
DRB1	07:01:01G	07:BMSUC	Exon 2,3	07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:01:01:05/07:79/ 07:93
DRB1	13:01:01G	13:01:01	Exon 2,3	13:01:01:01/13:01:01:02/13:01:01:03/13:01:01:04/13:01:01:05/ 13:01:01:06/13:01:01:07/13:01:01:08/13:01:01:09

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : Donor ID 1				
A	02:01:01G	02:DMFHE	Exon 1,2,3,4	02:01:01:01/02:01:01:02L/02:01:01:03/02:01:01:04/02:01:01:05/ 02:01:01:06/02:01:01:07/02:01:01:08/02:01:01:09/02:01:01:10/ 02:01:01:11/02:01:01:12/02:01:01:13/02:01:01:14/02:01:01:15/ 02:01:01:16/02:01:01:17/02:01:01:18/02:01:01:19/02:01:01:20/ 02:01:01:21/02:01:01:22/02:01:01:23/02:01:01:24/02:01:01:25/ 02:01:01:26/02:01:01:27/02:01:01:28/02:01:01:29/02:01:01:30/ 02:01:01:31/02:01:01:32/02:01:01:33/02:01:01:34/02:01:01:35/ 02:01:01:36/02:01:01:37/02:01:01:38/02:01:01:39/02:01:01:40/ 02:01:01:41/02:01:01:42/02:01:01:43/02:01:01:44/02:01:01:45/ 02:01:01:46/02:01:01:47/02:01:01:48/02:01:01:49/02:01:01:50/ 02:01:01:51/02:01:01:52/02:01:01:53/02:01:01:54/02:01:01:55/ 02:01:01:56/02:01:01:57/02:01:01:58/02:01:01:59/02:01:01:60/ 02:01:01:61/02:01:01:62/02:01:01:63/02:01:01:64/02:01:01:65/ 02:01:01:66/02:01:01:67/02:01:01:68/02:01:01:69/02:01:01:70/ 02:01:01:71/02:01:01:72/02:01:01:73/02:01:01:74/02:01:01:75/ 02:01:01:76/02:01:01:77/02:01:01:78/02:01:01:79/02:01:01:80/ 02:01:01:81/02:01:01:82/02:01:01:83/02:01:01:84/02:01:01:85/ 02:01:01:86/02:01:01:87/02:01:01:88/02:01:01:89/02:01:01:90/ 02:01:01:91/02:01:01:92/02:01:01:93/02:01:01:94/02:01:01:95/ 02:01:01:96/02:01:01:97/02:01:01:98/02:01:01:99/02:01:01:100/ 02:01:01:101/02:01:01:102/02:01:01:103/02:01:01:104/02:01:01:105/ 02:01:01:106/02:01:01:107/02:01:01:108/02:01:01:109/02:01:01:110/ 02:01:01:111/02:01:01:112/02:01:01:113/02:01:01:114/02:01:01:115/ 02:01:01:116/02:01:01:117/02:01:01:118/02:01:01:119/02:01:01:120/ 02:01:01:121/02:01:01:122/02:01:01:123/02:01:01:124/02:01:01:125/ 02:01:01:126/02:01:01:127/02:01:01:128/02:01:01:129/02:01:01:130/ 02:01:01:131/02:01:01:132/02:01:01:133/02:01:01:134Q/02:01:01:135/ 02:01:01:136/02:01:01:137/02:01:01:138/02:01:01:139/02:01:01:140/ 02:01:01:141/02:01:01:142/02:01:01:143/02:01:01:144/02:01:01:145/ 02:01:01:146/02:01:01:147/02:01:01:148/02:01:01:149/02:01:01:150/ 02:01:01:151/02:01:01:152/02:01:01:153/02:01:01:154/02:01:01:155/ 02:01:01:156/02:01:01:157/02:01:01:158/02:01:01:159/02:01:01:160/ 02:01:01:161/02:01:01:162/02:01:01:163/02:01:01:164/02:01:01:165/ 02:01:01:166/02:01:01:167/02:01:01:168/02:01:01:169/02:01:130/ 02:01:135/02:01:148/02:01:154/02:01:159/02:01:160/02:01:163/ 02:01:166/02:01:167/02:665/02:686/02:689/02:716/02:719/02:722/02:742/ 02:744/02:779/02:786/02:792N/02:810/02:812/02:844/02:846/02:853/ 02:864:01:01/02:864:01:02/02:865/02:869/02:870/02:896N/02:916/02:917/ 02:928/02:930/02:942
A	30:01:01G	30:DEPYD	Exon 1,2,3,4	30:01:01:01/30:01:01:02/30:01:01:03/30:01:01:04/30:01:01:05/ 30:01:01:06/30:01:01:07/30:01:01:08/30:01:01:09/30:01:01:10/ 30:01:01:11/30:135/30:141/30:148/30:167
B	13:02:01G	13:CAVKS	Exon 2,3,4	13:02:01:01/13:02:01:02/13:02:01:03/13:02:01:04/13:02:01:05/ 13:02:01:06/13:02:01:07/13:02:01:08/13:02:01:09/13:02:01:10/ 13:02:01:11/13:02:01:12/13:02:01:13/13:02:01:14/13:02:01:15/

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
B	15:01:01G	15:DMZVY	Exon 2,3,4	13:02:01:16/13:02:20/13:02:28/13:114/13:116N/13:117/13:123Q/13:125/ 13:136 15:01:01:01/15:01:01:03/15:01:01:04/15:01:01:05/15:01:01:06/ 15:01:01:07/15:01:01:08/15:01:01:09/15:01:01:10/15:01:01:11/ 15:01:01:12/15:01:01:13/15:01:01:14/15:01:01:15/15:01:01:16/ 15:01:01:17/15:01:01:18/15:01:01:19/15:01:01:20/15:01:01:21/ 15:01:01:22/15:01:01:23/15:01:01:24/15:01:01:25/15:01:01:26/ 15:01:01:27/15:01:01:28/15:01:01:29/15:01:01:30/15:01:01:31/ 15:01:01:32/15:01:01:33/15:01:01:34/15:01:01:35/15:01:01:36/ 15:01:01:37/15:01:01:38/15:01:01:39Q/15:01:01:40/15:01:01:41/ 15:01:48/15:01:58/15:01:60/15:443/15:456/15:457/15:464/15:465/15:471/ 15:474/15:476/15:515/15:533/15:535/15:536/15:542/15:547/15:558/15:572
C	03:03:01G	03:DNDDD	Exon 2,3,4,7	03:03:01:01/03:03:01:02/03:03:01:03/03:03:01:04/03:03:01:05/ 03:03:01:06/03:03:01:07/03:03:01:08/03:03:01:09/03:03:01:10/ 03:03:01:11/03:03:01:12/03:03:01:13/03:03:01:14/03:03:01:15/ 03:03:01:16/03:03:01:17/03:03:01:18/03:03:01:19/03:03:01:20/ 03:03:01:21/03:03:01:22/03:03:01:23/03:03:01:24/03:03:01:25/ 03:03:01:26/03:03:01:27/03:03:01:28/03:03:01:29/03:03:01:30/ 03:03:01:31/03:03:01:32/03:03:01:33/03:03:01:34/03:03:01:35/ 03:03:01:36/03:03:01:37/03:03:01:38/03:03:01:39/03:03:01:40/ 03:03:01:41/03:03:01:42/03:03:01:43/03:03:36/03:03:46/03:03:53/ 03:20N/03:227/03:341/03:357/03:383/03:418/03:421N/03:471/03:481/ 03:503/03:517/03:528
C	06:02:01G	06:DMFHJ	Exon 2,3,4,7	06:02:01:01/06:02:01:02/06:02:01:03/06:02:01:04/06:02:01:05/ 06:02:01:06/06:02:01:07/06:02:01:08/06:02:01:09/06:02:01:10/ 06:02:01:11/06:02:01:12/06:02:01:13/06:02:01:14/06:02:01:15/ 06:02:01:16/06:02:01:17/06:02:01:18/06:02:01:19/06:02:01:20/ 06:02:01:21/06:02:01:22/06:02:01:23/06:02:01:24/06:02:01:25/ 06:02:01:26/06:02:01:27/06:02:01:28/06:02:01:29/06:02:01:30/ 06:02:01:31/06:02:01:32/06:02:01:33/06:02:01:34/06:02:01:35/ 06:02:01:36/06:02:01:37/06:02:01:38/06:02:01:39/06:02:01:40/ 06:02:01:41/06:02:01:42/06:02:01:43/06:02:01:44/06:02:01:45/ 06:02:01:46/06:02:01:47/06:02:01:48/06:02:01:49/06:02:01:50/06:02:60/ 06:02:61/06:02:64/06:02:76/06:02:80/06:02:82/06:83/06:213/06:214/ 06:227/06:228/06:236/06:239/06:244/06:255/06:261/06:266/06:273/ 06:274/06:277:01:01/06:277:01:02/06:278/06:285Q/06:297/06:312
DQB1	02:DKCVG	02:DKCVG	Exon 2,3	02:02:01:01/02:02:01:02/02:02:01:03/02:02:01:04/02:02:01:05/ 02:02:01:06/02:02:06:02/02:02:09/02:97/02:110/02:131/02:156/02:165/ 02:175
DQB1	06:03:01G	06:CZGWS	Exon 2,3	06:03:01:01/06:03:01:02/06:03:01:03/06:03:01:04/06:03:01:05/ 06:03:01:06/06:03:01:07/06:03:01:08/06:03:01:09/06:03:35/06:03:36/ 06:03:40/06:328/06:329/06:334/06:336/06:352/06:367
DRB1	07:01:01G	07:BMSUC	Exon 2,3	07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:01:01:05/07:79/ 07:93
DRB1	13:01:01G	13:01:01	Exon 2,3	13:01:01:01/13:01:01:02/13:01:01:03/13:01:01:04/13:01:01:05/ 13:01:01:06/13:01:01:07/13:01:01:08/13:01:01:09

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
Sample ID : Donor ID 2				
A	02:01:01G	02:DMFHE	Exon 1,2,3,4	02:01:01:01/02:01:01:02L/02:01:01:03/02:01:01:04/02:01:01:05/ 02:01:01:06/02:01:01:07/02:01:01:08/02:01:01:09/02:01:01:10/ 02:01:01:11/02:01:01:12/02:01:01:13/02:01:01:14/02:01:01:15/ 02:01:01:16/02:01:01:17/02:01:01:18/02:01:01:19/02:01:01:20/ 02:01:01:21/02:01:01:22/02:01:01:23/02:01:01:24/02:01:01:25/ 02:01:01:26/02:01:01:27/02:01:01:28/02:01:01:29/02:01:01:30/ 02:01:01:31/02:01:01:32/02:01:01:33/02:01:01:34/02:01:01:35/ 02:01:01:36/02:01:01:37/02:01:01:38/02:01:01:39/02:01:01:40/ 02:01:01:41/02:01:01:42/02:01:01:43/02:01:01:44/02:01:01:45/ 02:01:01:46/02:01:01:47/02:01:01:48/02:01:01:49/02:01:01:50/ 02:01:01:51/02:01:01:52/02:01:01:53/02:01:01:54/02:01:01:55/ 02:01:01:56/02:01:01:57/02:01:01:58/02:01:01:59/02:01:01:60/ 02:01:01:61/02:01:01:62/02:01:01:63/02:01:01:64/02:01:01:65/ 02:01:01:66/02:01:01:67/02:01:01:68/02:01:01:69/02:01:01:70/ 02:01:01:71/02:01:01:72/02:01:01:73/02:01:01:74/02:01:01:75/ 02:01:01:76/02:01:01:77/02:01:01:78/02:01:01:79/02:01:01:80/ 02:01:01:81/02:01:01:82/02:01:01:83/02:01:01:84/02:01:01:85/ 02:01:01:86/02:01:01:87/02:01:01:88/02:01:01:89/02:01:01:90/ 02:01:01:91/02:01:01:92/02:01:01:93/02:01:01:94/02:01:01:95/ 02:01:01:96/02:01:01:97/02:01:01:98/02:01:01:99/02:01:01:100/ 02:01:01:101/02:01:01:102/02:01:01:103/02:01:01:104/02:01:01:105/ 02:01:01:106/02:01:01:107/02:01:01:108/02:01:01:109/02:01:01:110/ 02:01:01:111/02:01:01:112/02:01:01:113/02:01:01:114/02:01:01:115/ 02:01:01:116/02:01:01:117/02:01:01:118/02:01:01:119/02:01:01:120/ 02:01:01:121/02:01:01:122/02:01:01:123/02:01:01:124/02:01:01:125/ 02:01:01:126/02:01:01:127/02:01:01:128/02:01:01:129/02:01:01:130/ 02:01:01:131/02:01:01:132/02:01:01:133/02:01:01:134Q/02:01:01:135/ 02:01:01:136/02:01:01:137/02:01:01:138/02:01:01:139/02:01:01:140/ 02:01:01:141/02:01:01:142/02:01:01:143/02:01:01:144/02:01:01:145/ 02:01:01:146/02:01:01:147/02:01:01:148/02:01:01:149/02:01:01:150/ 02:01:01:151/02:01:01:152/02:01:01:153/02:01:01:154/02:01:01:155/ 02:01:01:156/02:01:01:157/02:01:01:158/02:01:01:159/02:01:01:160/ 02:01:01:161/02:01:01:162/02:01:01:163/02:01:01:164/02:01:01:165/ 02:01:01:166/02:01:01:167/02:01:01:168/02:01:01:169/02:01:130/ 02:01:135/02:01:148/02:01:154/02:01:159/02:01:160/02:01:163/ 02:01:166/02:01:167/02:665/02:686/02:689/02:716/02:719/02:722/02:742/ 02:744/02:779/02:786/02:792N/02:810/02:812/02:844/02:846/02:853/ 02:864:01:01/02:864:01:02/02:865/02:869/02:870/02:896N/02:916/02:917/ 02:928/02:930/02:942
A	30:01:01G	30:DEPYD	Exon 1,2,3,4	30:01:01:01/30:01:01:02/30:01:01:03/30:01:01:04/30:01:01:05/ 30:01:01:06/30:01:01:07/30:01:01:08/30:01:01:09/30:01:01:10/ 30:01:01:11/30:135/30:141/30:148/30:167
B	13:02:01G	13:CAVKS	Exon 2,3,4	13:02:01:01/13:02:01:02/13:02:01:03/13:02:01:04/13:02:01:05/ 13:02:01:06/13:02:01:07/13:02:01:08/13:02:01:09/13:02:01:10/ 13:02:01:11/13:02:01:12/13:02:01:13/13:02:01:14/13:02:01:15/

HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
B	15:01:01G	15:DMZVY	Exon 2,3,4	13:02:01:16/13:02:20/13:02:28/13:114/13:116N/13:117/13:123Q/13:125/ 13:136 15:01:01:01/15:01:01:03/15:01:01:04/15:01:01:05/15:01:01:06/ 15:01:01:07/15:01:01:08/15:01:01:09/15:01:01:10/15:01:01:11/ 15:01:01:12/15:01:01:13/15:01:01:14/15:01:01:15/15:01:01:16/ 15:01:01:17/15:01:01:18/15:01:01:19/15:01:01:20/15:01:01:21/ 15:01:01:22/15:01:01:23/15:01:01:24/15:01:01:25/15:01:01:26/ 15:01:01:27/15:01:01:28/15:01:01:29/15:01:01:30/15:01:01:31/ 15:01:01:32/15:01:01:33/15:01:01:34/15:01:01:35/15:01:01:36/ 15:01:01:37/15:01:01:38/15:01:01:39Q/15:01:01:40/15:01:01:41/ 15:01:48/15:01:58/15:01:60/15:443/15:456/15:457/15:464/15:465/15:471/ 15:474/15:476/15:515/15:533/15:535/15:536/15:542/15:547/15:558/15:572
C	03:03:01G	03:DNDDD	Exon 2,3,4,7	03:03:01:01/03:03:01:02/03:03:01:03/03:03:01:04/03:03:01:05/ 03:03:01:06/03:03:01:07/03:03:01:08/03:03:01:09/03:03:01:10/ 03:03:01:11/03:03:01:12/03:03:01:13/03:03:01:14/03:03:01:15/ 03:03:01:16/03:03:01:17/03:03:01:18/03:03:01:19/03:03:01:20/ 03:03:01:21/03:03:01:22/03:03:01:23/03:03:01:24/03:03:01:25/ 03:03:01:26/03:03:01:27/03:03:01:28/03:03:01:29/03:03:01:30/ 03:03:01:31/03:03:01:32/03:03:01:33/03:03:01:34/03:03:01:35/ 03:03:01:36/03:03:01:37/03:03:01:38/03:03:01:39/03:03:01:40/ 03:03:01:41/03:03:01:42/03:03:01:43/03:03:36/03:03:46/03:03:53/ 03:20N/03:227/03:341/03:357/03:383/03:418/03:421N/03:471/03:481/ 03:503/03:517/03:528
C	06:02:01G	06:DMFHJ	Exon 2,3,4,7	06:02:01:01/06:02:01:02/06:02:01:03/06:02:01:04/06:02:01:05/ 06:02:01:06/06:02:01:07/06:02:01:08/06:02:01:09/06:02:01:10/ 06:02:01:11/06:02:01:12/06:02:01:13/06:02:01:14/06:02:01:15/ 06:02:01:16/06:02:01:17/06:02:01:18/06:02:01:19/06:02:01:20/ 06:02:01:21/06:02:01:22/06:02:01:23/06:02:01:24/06:02:01:25/ 06:02:01:26/06:02:01:27/06:02:01:28/06:02:01:29/06:02:01:30/ 06:02:01:31/06:02:01:32/06:02:01:33/06:02:01:34/06:02:01:35/ 06:02:01:36/06:02:01:37/06:02:01:38/06:02:01:39/06:02:01:40/ 06:02:01:41/06:02:01:42/06:02:01:43/06:02:01:44/06:02:01:45/ 06:02:01:46/06:02:01:47/06:02:01:48/06:02:01:49/06:02:01:50/06:02:60/ 06:02:61/06:02:64/06:02:76/06:02:80/06:02:82/06:83/06:213/06:214/ 06:227/06:228/06:236/06:239/06:244/06:255/06:261/06:266/06:273/ 06:274/06:277:01:01/06:277:01:02/06:278/06:285Q/06:297/06:312
DQB1	02:DKCVG	02:DKCVG	Exon 2,3	02:02:01:01/02:02:01:02/02:02:01:03/02:02:01:04/02:02:01:05/ 02:02:01:06/02:02:06:02/02:02:09/02:97/02:110/02:131/02:156/02:165/ 02:175
DQB1	06:03:01G	06:CZGWS	Exon 2,3	06:03:01:01/06:03:01:02/06:03:01:03/06:03:01:04/06:03:01:05/ 06:03:01:06/06:03:01:07/06:03:01:08/06:03:01:09/06:03:35/06:03:36/ 06:03:40/06:328/06:329/06:334/06:336/06:352/06:367
DRB1	07:01:01G	07:BMSUC	Exon 2,3	07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:01:01:05/07:79/ 07:93
DRB1	13:01:01G	13:01:01	Exon 2,3	13:01:01:01/13:01:01:02/13:01:01:03/13:01:01:04/13:01:01:05/ 13:01:01:06/13:01:01:07/13:01:01:08/13:01:01:09

HLA TYPING REPORT

Patient Information

Last Name : Date Of Birth :
First Name : Histo ID : Patient ID 2
Hospital : MR# :
Physician :
Diagnosis : Voucher Holder
Specimen Type : Buccal Swab
Received On : 20-Mar-2020
Collected On : 17-Mar-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
FAILED	FAILED	FAILED	FAILED	DRB3*FAILED	FAILED	FAILED	FAILED	FAILED
FAILED	FAILED	FAILED	FAILED	DRB4*FAILED	FAILED	FAILED	FAILED	FAILED

Typing Status : Complete

Note:

1. Allele Database Version :3.37.0 (Jul 2019)
2. Sequencing Technology :
3. Reagent Information : Lot Number available upon request.

Report History

Reported Date	History	Comments
01-Apr-2020	Patient: *****	Due to the low amount of DNA we were not able to get successful typing. The same problem was found from all of the swab samples from this donor/patient which seems like the sample was not collected well.

DIRECTOR / ASSOCIATE DIRECTOR _____

HLA TYPING REPORT

Patient Information

Last Name	:		Date Of Birth	:	
First Name	:		Histo ID	:	Patient ID 3
Hospital	:		MR#	:	
Physician	:		NMDP RID	:	
Diagnosis	:	UNKNOWN	Received On	:	21-Jul-2021
Specimen Type	:	Whole Blood	Collected On	:	14-Jul-2021

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
PENDING	PENDING	PENDING	PENDING	PENDING	PENDING	PENDING	PENDING	PENDING
PENDING	PENDING	PENDING	PENDING	PENDING	PENDING	PENDING	PENDING	PENDING

Typing Status : HLA-A, HLA-B, HLA-C, HLA-DRB1, HLA-DRB3, HLA-DRB4, HLA-DRB5, HLA-DQB1, HLA-DQA1, HLA-DPB1, HLA-DPA1 is pending

Note:

1. Match ratio to Patient: Based on protein level in ARS (Exon 2 and 3 for Class I, Exon 2 for Class II).
2. Allele Database Version : 3.43.0 (Jan 2021)
3. Allele bearing suffix G : The first allele of the Included Alleles. Included alleles in the appendix
4. NMDP code is reported if G code is not available after analyzing non-ARS exons
5. Sequencing Technology :
6. Reagent Information : Lot Number available upon request.

Report History

Reported Date	History	Comments
09-Nov-2021	Sample Id : Patient ID 3	HLA- A is Pending. HLA- B is Pending. HLA- C is Pending. HLA- DRB1 is Pending. HLA- DRB3 is Pending. HLA- DRB4 is Pending. HLA- DRB5 is Pending. HLA- DQB1 is Pending. HLA- DQA1 is Pending. HLA- DPB1 is Pending. HLA- DPA1 is Pending.
27-Sep-2021	Patient: *****	
15-Sep-2021	Patient: *****	
09-Sep-2021	Patient: *****	
29-Jul-2021	Patient: *****	
27-Jul-2021	Patient: *****	

DIRECTOR / ASSOCIATE DIRECTOR

HLA TYPING REPORT

Patient Information

Last Name	:		Date Of Birth	:	
First Name	:		Histo ID	:	Patient ID 4
Hospital	:		MR#	:	
Physician	:				
Diagnosis	:	Kidney Recipient	Received On	:	24-Nov-2020
Specimen Type	:	Buccal Swab	Collected On	:	18-Nov-2020

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
XXXX	XXXX	XXXX	XXXX	DRB3*XXXX	XXXX	XXXX	XXXX	XXXX
XXXX	XXXX	XXXX	XXXX	DRB4*XXXX	XXXX	XXXX	XXXX	XXXX

Typing Status : Complete

Note:

1. Allele Database Version :3.39.0 (Jan 2020)
2. Sequencing Technology :
3. Reagent Information : Lot Number available upon request.

Report History

Reported Date	History	Comments
30-Nov-2020	Patient: *****	
30-Nov-2020	Sample Id : Patient ID 4	Possible Allele in A : 01:01:01/02:01:01/30:01:01. Possible Allele in B : 07:02:01/27:05:02/45:01:01. Possible Allele in C : 01:02:01/06:02:01/07:02:01. Possible Allele in DRB1 : 01:01:01/07:01:01/15:01:01. Possible Allele in DRB3 : . Possible Allele in DRB4 : 01:01:01. Possible Allele in DRB5 : 01:01:01. Possible Allele in DQB1 : 03:03:02/05:01:01/06:02:01. Possible Allele in DQA1 : 01:01:01/01:02:01/02:01:01. Possible Allele in DPB1 : 03:01:01/04:01:01. Possible Allele in DPA1 : 01:03:01.

DIRECTOR / ASSOCIATE DIRECTOR _____