

## HLA TYPING REPORT

Sample ID: Sample ID 5

Donor Center Code:  

Date Sample Received in Lab: 14-Apr-2021

Date Results Reported: 28-Apr-2021

Specimen Type: Buccal Swab

Client Name:  

### Class I Typing

|    |                      |
|----|----------------------|
| A* | 02:01:01G, 68:02:01G |
| B* | 41:02:01G, 57:03:01G |
| C* | 07:01:01G, 17:01:01G |

### Class II Typing

|       |                       |
|-------|-----------------------|
| DRB1* | 13:02:01G , 15:03:01G |
| DRB3* | 03:01:01G             |
| DRB4* |                       |
| DRB5* | 01:01:01G             |
| DQB1* | 05:01:01G , 06:02:01G |
| DQA1* | 01:02:01G , 01:02:01G |
| DPB1* | 02:01:02G , 348:01:01 |
| DPA1* | 01:XX                 |

**Note:**

1. Sequencing Technology : Illumina Sequencing
2. Allele Database version: IPD-IMGT/HLA Database 3.39.0 (Jan 2020)
3. NMDP code is reported if G code is not available after analyzing non-ARS exons

Please refer Appendix in this report for the alleles bearing suffix 'G' on them.

Comments:

DIRECTOR / ASSOCIATE DIRECTOR \_\_\_\_\_



## HLA TYPING REPORT - APPENDIX

| Locus                          | G Code    | NMDP Allele Code | Segment Sequenced | Included Alleles  |
|--------------------------------|-----------|------------------|-------------------|---|
| <b>Sample ID : Sample ID 5</b> |           |                  |                   |   |
| A                              | 02:01:01G | 02:CEJST         | Exon 2,3          | 02:01:01:01/02:01:01:02L/02:01:01:03/02:01:01:04/02:01:01:05/<br>02:01:01:06/02:01:01:07/02:01:01:08/02:01:01:09/02:01:01:10/<br>02:01:01:11/02:01:01:12/02:01:01:13/02:01:01:14/02:01:01:15/<br>02:01:01:16/02:01:01:17/02:01:01:18/02:01:01:19/02:01:01:20/<br>02:01:01:21/02:01:01:22/02:01:01:23/02:01:01:24/02:01:01:25/<br>02:01:01:26/02:01:01:27/02:01:01:28/02:01:01:29/02:01:01:30/<br>02:01:01:31/02:01:01:32/02:01:01:33/02:01:01:34/02:01:01:35/<br>02:01:01:36/02:01:01:37/02:01:01:38/02:01:01:39/02:01:01:40/<br>02:01:01:41/02:01:01:42/02:01:01:43/02:01:01:44/02:01:01:45/<br>02:01:01:46/02:01:01:47/02:01:01:48/02:01:01:49/02:01:01:50/<br>02:01:01:51/02:01:01:52/02:01:01:53/02:01:01:54/02:01:01:55/<br>02:01:01:56/02:01:01:57/02:01:01:58/02:01:01:59/02:01:01:60/<br>02:01:01:61/02:01:01:62/02:01:01:63/02:01:01:64/02:01:01:65/<br>02:01:01:66/02:01:01:67/02:01:01:68/02:01:01:69/02:01:01:70/<br>02:01:01:71/02:01:01:72/02:01:01:73/02:01:01:74/02:01:01:75/<br>02:01:01:76/02:01:01:77/02:01:01:78/02:01:01:79/02:01:01:80/<br>02:01:01:81/02:01:01:82/02:01:01:83/02:01:01:84/02:01:01:85/<br>02:01:01:86/02:01:01:87/02:01:01:88/02:01:01:89/02:01:01:90/<br>02:01:01:91/02:01:01:92/02:01:01:93/02:01:01:94/02:01:01:95/<br>02:01:01:96/02:01:01:97/02:01:01:98/02:01:01:99/02:01:01:100/<br>02:01:01:101/02:01:01:102/02:01:01:103/02:01:01:104/02:01:01:105/<br>02:01:01:106/02:01:01:107/02:01:01:108/02:01:01:109/02:01:01:110/<br>02:01:01:111/02:01:01:112/02:01:01:113/02:01:01:114/02:01:01:115/<br>02:01:01:116/02:01:01:117/02:01:01:118/02:01:01:119/02:01:01:120/<br>02:01:01:121/02:01:01:122/02:01:01:123/02:01:01:124/02:01:01:125/<br>02:01:01:126/02:01:01:127/02:01:01:128/02:01:01:129/02:01:01:130/<br>02:01:01:131/02:01:01:132/02:01:01:133/02:01:01:134Q/02:01:08/<br>02:01:11/02:01:14Q/02:01:15/02:01:21/02:01:48/02:01:50/02:01:79/<br>02:01:80/02:01:89/02:01:97/02:01:98/02:01:99/02:01:104/02:01:130/<br>02:01:131/02:01:132/02:01:133/02:01:134/02:01:135/02:01:136/<br>02:01:143/02:01:148/02:01:149/02:01:151/02:01:154/02:01:156/<br>02:01:159/02:01:160/02:01:161/02:01:163/02:01:164/02:01:166/<br>02:01:167/02:01:168/02:01:169/02:01:170/02:09:01:01/02:09:01:02/<br>02:43N/02:66/02:75/02:83N/02:89/01/02:89/02/02:97:01/02:97:02/02:132/<br>02:134/02:140/02:241/02:252/02:256/02:266/02:291/02:294/02:305N/<br>02:327/02:329/02:356N/02:357/02:397/02:411/02:446/02:455/02:469/<br>02:481/02:538/02:559/02:607/02:608N/02:614/02:629/02:642/02:665/<br>02:675N/02:685/02:686/02:687/02:689/02:690/02:691N/02:692/02:704/<br>02:716/02:719/02:720/02:722/02:724/02:726/02:739/02:740/02:742/<br>02:744/02:753/02:755/02:761/02:762/02:763/02:765/02:776/02:779/<br>02:786/02:792N/02:793N/02:794/02:795Q/02:810/02:812/02:819/02:820/<br>02:823/02:824/02:825/02:830/02:832N/02:834/02:836/02:839/02:844/<br>02:846/02:852/02:853/02:857/02:862/02:864:01:01/02:864:01:02/02:865/ |



## HLA TYPING REPORT - APPENDIX

| Locus | G Code    | NMDP Allele Code | Segment Sequenced | Included Alleles   |
|-------|-----------|------------------|-------------------|--|
|       |           |                  |                   | 02:866/02:868/02:869/02:870/02:871N/02:874/02:875/02:884/02:894/<br>02:896N/02:899   |
| A     | 68:02:01G | 68:BZEFB         | Exon 2,3          | 68:02:01:01/68:02:01:02/68:02:01:03/68:02:01:04/68:02:01:05/<br>68:02:01:06/68:02:01:07/68:02:01:08/68:02:01:09/68:02:01:10/<br>68:02:01:11/68:02:01:12/68:02:14/68:163/68:198/68:201/68:216N/68:219   |
| B     | 41:02:01G | 41:BBXG          | Exon 2,3          | 41:02:01:01/41:02:01:02/41:02:01:03/41:02:01:04/41:02:01:05/<br>41:02:01:06/41:02:01:07/41:43  |
| B     | 57:03:01G | 57:BZDVN         | Exon 2,3          | 57:03:01:01/57:03:01:02/57:03:01:03/57:03:01:04/57:03:05/57:94/57:101/<br>57:124   |
| C     | 07:01:01G | 07:CMVHA         | Exon 2,3          | 07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:01:01:05/<br>07:01:01:06/07:01:01:07/07:01:01:08/07:01:01:09/07:01:01:10/<br>07:01:01:11/07:01:01:12/07:01:01:13/07:01:01:14Q/07:01:01:15/<br>07:01:01:16/07:01:01:17/07:01:01:18/07:01:01:19/07:01:01:20/<br>07:01:01:21/07:01:01:22/07:01:01:23/07:01:01:24/07:01:01:25/<br>07:01:01:26/07:01:01:27/07:01:01:28/07:01:01:29/07:01:01:30/<br>07:01:01:31/07:01:01:32/07:01:01:33/07:01:01:34/07:01:01:35/<br>07:01:01:36/07:01:01:37/07:01:01:38/07:01:01:39/07:01:01:40/<br>07:01:01:41/07:01:01:42/07:01:01:43/07:01:01:44/07:01:01:45/<br>07:01:01:46/07:01:01:47/07:01:01:48/07:01:01:49/07:01:01:50/<br>07:01:01:51/07:01:01:52/07:01:01:53/07:01:01:54/07:01:01:55/<br>07:01:01:56/07:01:01:57/07:01:01:58/07:01:01:59/07:01:01:60/<br>07:01:01:61/07:01:01:62/07:01:01:63/07:01:01:64/07:01:01:65/<br>07:01:01:66/07:01:01:67/07:01:01:68/07:01:01:69/07:01:01:70/<br>07:01:01:71/07:01:01:72/07:01:01:73/07:01:01:74/07:01:01:75/<br>07:01:02:01/07:01:02:02/07:01:02:03/07:01:02:04/07:01:02:05/<br>07:01:02:06/07:01:02:07/07:01:02:08/07:01:09/07:01:19/07:01:39/<br>07:01:61/07:01:75/07:01:77/07:01:78/07:01:79/07:01:80/07:01:81/<br>07:01:83/07:01:84/07:01:85/07:01:89/07:01:90/07:01:92/07:06:01:01/<br>07:06:01:02/07:06:01:03/07:06:01:04/07:06:01:05Q/07:06:01:06/<br>07:06:01:07/07:06:01:08/07:06:03/07:18:01:01/07:18:01:02/07:18:01:03/<br>07:18:05/07:52/07:153/07:166/07:337/07:343.01:01/07:343.01:02/07:419/<br>07:458/07:588/07:591/07:607/07:610/07:615/07:617/07:618/07:619/<br>07:621/07:623/07:624/07:657/07:658/07:682.01:01/07:682.01:02/<br>07:682.02/07:685/07:687/07:694/07:696/07:706/07:708/07:721/07:732/<br>07:734/07:735/07:739/07:760/07:762/07:777/07:778/07:781/07:782/<br>07:795/07:796N/07:800/07:803/07:805/07:808N/07:811/07:813/07:814/<br>07:823/07:824/07:825/07:832/07:833/07:841/07:843 |
| C     | 17:01:01G | 17:CEJYG         | Exon 2,3          | 17:01:01:02/17:01:01:03/17:01:01:04/17:01:01:05/17:01:01:06/<br>17:01:01:07/17:01:01:08/17:01:01:09/17:02/17:03:01:01/17:03:01:02/<br>17:03:01:03/17:03:01:04/17:03:01:05/17:37/17:38/17:39/17:43/17:44/<br>17:47/17:49/17:50/17:51:01:01/17:51:01:02  |
| DRB1  | 13:02:01G | 13:CMVJK         | Exon 2            | 13:02:01:01/13:02:01:02/13:02:01:03/13:02:01:04/13:02:01:05/13:02:14/<br>13:02:15/13:02:16/13:02:17/13:208/13:236/13:239/13:255N/13:265/<br>13:268N/13:269/13:275/13:282/13:285/13:293/13:297/13:298N  |
| DRB1  | 15:03:01G | 15:CEKDK         | Exon 2            | 15:03:01:01/15:03:01:02/15:03:01:03/15:03:03/15:03:04/15:163N/15:178   |



## HLA TYPING REPORT - APPENDIX

| Locus | G Code    | NMDP Allele Code | Segment Sequenced | Included Alleles  |
|-------|-----------|------------------|-------------------|---|
| DRB3  | 03:01:01G | 03:CMVJP         | Exon 2            | 03:01:01:01/03:01:01:02/03:01:01:03/03:01:01:04/03:01:03:01/<br>03:01:03:02/03:01:07/03:13/03:21/03:37/03:38/03:42/03:43  |
| DRB5  | 01:01:01G | 01:BMKFK         | Exon 2            | 01:01:01:01/01:01:01:02/01:01:01:03/01:01:01:04/01:16/01:40/01:42/<br>01:45/01:49N  |
| DQB1  | 05:01:01G | 05:BZEKY         | Exon 2            | 05:01:01:01/05:01:01:02/05:01:01:03/05:01:01:04/05:01:01:05/<br>05:01:01:06/05:01:01:07/05:01:21/05:01:22/05:01:23/05:01:24/01/<br>05:01:24:02/05:01:26/05:01:27/05:01:28/05:01:29/05:01:33/05:01:34/<br>05:01:35/05:01:37/05:01:38/05:01:39/05:18/05:27/05:31/05:32/05:45/<br>05:84/05:103/05:104/05:107/05:133/05:137/05:139/05:144/05:148/05:150/<br>05:152/05:155/05:159/05:160/05:163/05:164/05:173/05:182/05:183/<br>05:184/05:185N/05:190/05:193/05:194/05:195/05:197/05:216/05:217/<br>05:219/05:223/05:225/05:226/05:230/05:232/05:234/05:237  |
| DQB1  | 06:02:01G | 06:CEKCE         | Exon 2            | 06:02:01:01/06:02:01:02/06:02:01:03/06:02:01:04/06:02:01:05/<br>06:02:01:06/06:02:12/06:02:23/06:02:26/06:02:27/06:02:28/06:02:29/<br>06:02:32/06:02:34/06:02:36/06:02:37/06:02:38/06:02:39/06:02:41/<br>06:02:42/06:47/06:84/06:109/06:111/06:116/06:117/06:127/06:188/<br>06:200/06:216N/06:219/06:224/06:225/06:226/06:227/06:228/06:237/<br>06:240/06:255/06:256/06:262/06:273/06:284/06:286/06:289/06:293/<br>06:295/06:296/06:297/06:298/06:300/06:304N/06:308N/06:314/06:315/<br>06:317N/06:324/06:326/06:333/06:335/06:338/06:344/06:347/06:355/<br>06:356/06:357   |
| DQA1  | 01:02:01G | 01:CEKBG         | Exon 2            | 01:02:01:01/01:02:01:02/01:02:01:03/01:02:01:04/01:02:01:05/<br>01:02:01:06/01:02:01:07/01:02:01:08/01:02:01:09/01:02:01:10/<br>01:02:01:11/01:02:01:12/01:02:01:13/01:02:01:14/01:02:02:01/<br>01:02:02:02/01:02:02:03/01:02:02:04/01:02:02:05/01:02:03/01:02:04/<br>01:02:06/01:02:08/01:08/01:09/01:11/01:19/01:21/01:23/01:31/<br>01:38/01:01/01:38/01:02/01:39/01:41   |
| DPB1  | 348:01:01 |                  | Exon 2            |   |
| DPB1  | 02:01:02G | 02:CMVHR         | Exon 2            | 02:01:02:01/02:01:02:02/02:01:02:03/02:01:02:04/02:01:02:05/<br>02:01:02:06/02:01:02:07/02:01:02:08/02:01:02:09/02:01:02:10/<br>02:01:02:11/02:01:02:12/02:01:02:13/02:01:02:14/02:01:02:15/<br>02:01:02:16/02:01:02:17/02:01:02:18/02:01:02:19/02:01:02:20/<br>02:01:02:21/02:01:02:22/02:01:02:23/02:01:02:24/02:01:02:25/<br>02:01:02:26/02:01:02:27/02:01:02:28/02:01:02:29/02:01:02:30/<br>02:01:02:31/02:01:02:32/02:01:02:33/02:01:02:34/02:01:02:35/<br>02:01:02:36/02:01:02:37/02:01:02:38/02:01:02:39/02:01:02:40/<br>02:01:02:41/02:01:02:42/02:01:02:43/02:01:02:44/02:01:02:45/<br>02:01:02:46Q/02:01:19/02:01:20/02:01:22/02:01:23/02:01:25/02:01:26/<br>02:01:28/02:01:34/02:01:37/02:01:40/02:01:41/02:01:42/02:01:52/<br>141.01/352.01.01/352.01.02/414.01.01.01/414.01.01.02/416.01.01.01/<br>416.01.01.02/416.01.01.03/461.01/617.01/640.01/678.01/700.01N/723.01/<br>783.01/786.01.01N/786.01.02N/799.01/819.01/845.01/857.01/861.01/<br>894.01N/955.01/967.01/975.01/1036.01/1051.01/1055.01/1077.01/1082.01 |
| DPA1  | 01:XX     | 01:XX            | Exon 2            |   |
| DPA1  | 02:01:01G | 02:CMVHK         | Exon 2            | 02:01:01:01/02:01:01:02/02:01:01:03/02:01:01:04/02:01:01:05/<br>02:01:01:06/02:01:01:07/02:01:01:08/02:01:01:09/02:01:01:10/  |

## HLA TYPING REPORT - APPENDIX

| Locus | G Code | NMDP Allele Code | Segment Sequenced | Included Alleles   |
|-------|--------|------------------|-------------------|--|
|       |        |                  |                   | 02:01:01:11/02:01:01:12/02:01:01:13/02:01:01:14/02:01:01:15/<br>02:01:01:16/02:01:08:01/02:01:08:02/02:01:09/02:01:10/02:08/02:13N/<br>02:16/02:18/02:24/02:26/02:29 |

HISTOGENETICS