

HLA TYPING REPORT

Patient Information

| | | | |
|---------------|---|---------------|---------------|
| Last Name | : CANO | Date Of Birth | : 05-Jun-1960 |
| First Name | : HUGO ANTONIO | Histo ID | : H86311 |
| Hospital | : INCUCAI - REGISTRO NACIONAL DE DONANTES DE CPH (Hospital) | MR# | : 13.707.749 |
| Physician | : ARBELBIDE | | |
| Diagnosis | : CML | Received On | : 18-Feb-2020 |
| Specimen Type | : Whole Blood | Collected On | : 14-Feb-2020 |

| A* | B* | C* | DRB1* | DRB345* | DQB1* | DQA1* | DPB1* | DPA1* |
|-----------|-----------|-----------|-------|---------|-------|-------|-----------|-------|
| 02:01:01G | 44:02:01G | 05:01:01G | | NA | | NA | 04:02:01G | NA |
| 31:01:02G | 51:01:01G | 15:02:01G | | NA | | NA | 105:CAVSC | NA |

Typing Status : HLA-DRB1, HLA-DQB1 is pending

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*02:793N,A*02:832N,A*02:871N,A*31:14N,B*44:267N,B*44:303N,B*44:334N,B*44:341N,B*51:11N,B*51:256N,B*51:264N,C*15:02:01:08N,C*15:160N,DPB1*724:01N,DPB1*777:01N,DPB1*925:01N,DPB1*985:01N 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 : 3.37.0 (Jul 2019)
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 |
|---------------|-----------------------|--|
| 27-Feb-2020 | Patient: HUGO ANTONIO | |
| 27-Feb-2020 | Sample Id : H86311 | HLA- DRB1 is Pending. HLA- DQB1 is Pending. |

DIRECTOR / ASSOCIATE DIRECTOR



HLA TYPING REPORT - APPENDIX

| Locus | G Code | NMDP Allele Code | Segment Sequenced | Included Alleles |
|---------------------------|-----------|------------------|-------------------|---|
| Sample ID : H86311 | | | | |
| A | 02:01:01G | 02:CAVHN | Exon 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/ 02:01:01:56/02:01:01:57/02:01:01:58/02:01:130/02:01:132/ 02:01:135/02:01:148/02:01:149/02:01:151/02:01:154/02:01:159/ 02:01:160/02:01:163/02:01:166/02:01:167/02:01:168/02:629/ 02:642/02:665/02:686/02:689/02:704/02:716/02:719/02:722/ 02:724/02:740/02:742/02:744/02:753/02:761/02:762/02:763/ 02:765/02:776/02:779/02:786/02:792N/02:795Q/02:810/02:812/ 02:819/02:830/02:844/02:846/02:852/02:853/02:864/02:865/ 02:866/02:869/02:870/02:874 |
| A | 31:01:02G | 31:CAVJW | Exon 2,3,4 | 31:01:02:01/31:01:02:02/31:01:02:03N/31:01:02:04/31:01:02:05/ 31:01:02:06/31:01:02:07/31:01:02:08/31:01:02:09/31:01:02:10/ 31:119/31:135/31:143/31:151Q/31:152/31:153/31:155/31:157 |
| B | 44:02:01G | 44:CAVMN | Exon 2,3,4 | 44:02:01:01/44:02:01:02S/44:02:01:03/44:02:01:04/44:02:01:05/ 44:02:01:06/44:02:01:07/44:02:01:08/44:02:01:09/44:02:01:10/ 44:02:01:11/44:02:01:12/44:02:01:13/44:02:01:14/44:02:01:15/ 44:02:01:16/44:02:01:17/44:02:01:18/44:02:01:19/44:02:01:20/ 44:02:01:21/44:02:01:22/44:02:27/44:02:46/44:02:49/44:02:52/ 44:02:53/44:02:55/44:02:56/44:02:59/44:02:60/44:02:63/44:19N/ 44:270/01/44:270/02/44:292/44:301/44:306N/44:321/44:344/ 44:437/44:457/44:464/01:01/44:464/01:02/44:468/44:470/44:473 |
| B | 51:01:01G | 51:CAVMS | Exon 2,3,4 | 51:01:01:01/51:01:01:02/51:01:01:03/51:01:01:04/51:01:01:05/ 51:01:01:06/51:01:01:07/51:01:01:08/51:01:01:09/51:01:01:10/ 51:01:01:11/51:01:01:12/51:01:01:13/51:01:01:14/51:01:01:15/ 51:01:01:16/51:01:01:17/51:01:01:18/51:01:01:19/51:01:01:20/ 51:01:01:21/51:01:01:22/51:01:01:23/51:01:01:24/51:01:01:25/ 51:01:01:26/51:01:01:27/51:01:01:28/51:01:01:29/51:01:01:30/ 51:01:01:31/51:01:01:32/51:01:01:33/51:01:01:34/51:01:01:35/ 51:01:01:36/51:01:55/51:01:61/51:01:64/51:193/51:224/ 51:230/01:01/51:230/01:02/51:232/51:248/51:249/51:250/51:260/ 51:262/51:269/51:270/51:271/51:286/51:289/51:296/51:297 |

HLA TYPING REPORT - APPENDIX

| Locus | G Code | NMDP Allele Code | Segment Sequenced | Included Alleles |
|-------|-----------|------------------|-------------------|--|
| C | 05:01:01G | 05:CAVNW | Exon 2,3,4,7 | 05:01:01:01/05:01:01:02/05:01:01:03/05:01:01:04/05:01:01:05/ 05:01:01:06/05:01:01:07/05:01:01:08/05:01:01:09/05:01:01:10/ 05:01:01:11/05:01:01:12/05:01:01:13/05:01:01:14/05:01:01:15/ 05:01:01:16/05:01:01:17/05:01:35/05:01:41/05:145/05:153N/ 05:172/05:187/05:212/05:222 |
| C | 15:02:01G | 15:CAVPX | Exon 2,3,4,7 | 15:02:01:01/15:02:01:02/15:02:01:03/15:02:01:04/15:02:01:05/ 15:02:01:06/15:02:01:07/15:02:01:09/15:02:01:10/15:87/15:154/ 15:176/15:186/15:197/15:202 |
| DPB1 | 04:02:01G | 04:CAVRU | Exon 2,3 | 04:02:01:01/04:02:01:02/04:02:01:03/04:02:01:04/04:02:01:05/ 04:02:01:06/04:02:01:07/04:02:01:08/04:02:01:09/04:02:01:10/ 04:02:01:11/04:02:01:12/04:02:01:13/04:02:01:14/04:02:09/ 701:01/725:01/730:01/927:01/958:01/981:01/985:01N/1035:01 |
| DPB1 | 105:CAVSC | 105:CAVSC | Exon 2,3 | 105:01:01:01/105:01:01:02/105:01:01:03/105:01:01:04/ 105:01:01:05/105:01:01:06/105:01:01:07/105:01:01:08/ 105:01:01:09/105:01:01:10/665:01/1013:01 |