

## HLA TYPING REPORT

### Patient Information

Last Name	: Rosenberg	Date Of Birth	: 06-Jan-1948
First Name	: Jennifer	Histo ID	: H84684
Hospital	: Ochsner Medical Center	MR#	: 827050
Physician	: Dr. Cooper		
Diagnosis	: Bone Marrow	Received On	: 23-Dec-2019
Specimen Type	: Whole Blood	Collected On	: 18-Dec-2019

A*	B*	C*	DRB1*	DRB345*	DQB1*	DQA1*	DPB1*	DPA1*
01:01:01G	49:01:01G	07:01:01G	10:01:01G	DRB3*02:02:01G	03:01:01G	NA	04:01:01G	NA
32:01:01G	58:01:01G	07:01:01G	11:04:01G	NA	05:01:01G	NA	04:02:01G	NA

Typing Status : Complete

Null Allele Resolution Status : A\*01:04:01:01N,A\*01:04:01:02N,A\*01:22N,A\*01:56N,A\*01:87N,B\*58:31N,C\*07:796N,C\*07:808N,DQB1\*03:84N,DQB1\*03:338N,DQB1\*03:340N,DQB1\*03:358N,DQB1\*03:376N,DQB1\*03:385N,DQB1\*03:400N,DQB1\*05:185N,DPB1\*724:01N,DPB1\*754:01N,DPB1\*756:01N,DPB1\*777:01N,DPB1\*925:01N,DPB1\*974:01N 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
6. Reagent Information : Lot Number available upon request.

### Report History

Reported Date	History	Comments
30-Dec-2019	Patient: Jennifer	

DIRECTOR / ASSOCIATE DIRECTOR



## HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
<b>Sample ID : H84684</b>				
A	01:01:01G	01:CAVHG	Exon 1,2,3,4	01:01:01:01/01:01:01:02N/01:01:01:03/01:01:01:04/01:01:01:05/ 01:01:01:06/01:01:01:07/01:01:01:08/01:01:01:09/01:01:01:10/ 01:01:01:11/01:01:01:12/01:01:01:13/01:01:01:14/01:01:01:15/ 01:01:01:16/01:01:01:17/01:01:01:18/01:01:01:19/01:01:01:20/ 01:01:01:21/01:01:01:22/01:01:01:23/01:01:01:24/01:01:01:25/ 01:01:83/01:01:84/01:01:93/01:01:94/01:01:104/01:01:105/ 01:248Q/01:251/01:252/01:274/01:276/01:277/01:280/01:300/ 01:309/01:317
A	32:01:01G	32:CAVKC	Exon 1,2,3,4	32:01:01:01/32:01:01:02/32:01:01:03/32:01:01:04/32:01:01:05/ 32:01:01:06/32:01:01:07/32:01:01:08/32:01:01:09/32:01:01:10/ 32:01:36/32:103/32:116/32:117N/32:122
B	49:01:01G	49:BZFC	Exon 2,3,4	49:01:01:01/49:01:01:02/49:01:01:03/49:01:01:04/49:01:04/ 49:01:09/49:01:10/49:62
B	58:01:01G	58:CAVMX	Exon 2,3,4	58:01:01:01/58:01:01:02/58:01:01:03/58:01:01:04/58:01:01:05/ 58:01:28/58:95/58:99/58:101/58:108/58:112
C	07:01:01G	07:CAVPC	Exon 2,3,4,7	07:01:01:01/07:01:01:02/07:01:01:03/07:01:01:04/07:01:01:05/ 07:01:01:06/07:01:01:07/07:01:01:08/07:01:01:09/07:01:01:10/ 07:01:01:11/07:01:01:12/07:01:01:13/07:01:01:14Q/07:01:01:15/ 07:01:01:16/07:01:01:17/07:01:01:18/07:01:01:19/07:01:01:20/ 07:01:01:21/07:01:01:22/07:01:01:23/07:01:01:24/07:01:01:25/ 07:01:01:26/07:01:01:27/07:01:01:28/07:01:01:29/07:01:02:01/ 07:01:02:02/07:01:02:03/07:01:77/07:01:79/07:01:80/07:01:81/ 07:01:85/07:06:01:01/07:06:01:02/07:18:01:01/07:18:01:02/ 07:18:01:03/07:343:01:01/07:343:01:02/07:419/07:591/07:610/ 07:617/07:618/07:657/07:687/07:696/07:721/07:732/07:762/ 07:777/07:782/07:805/07:814
DPB1	04:01:01G	04:CAVRN	Exon 2,3	04:01:01:01/04:01:01:02/04:01:01:03/04:01:01:04/04:01:01:05/ 04:01:01:06/04:01:01:07/04:01:01:08/04:01:01:09/04:01:01:10/ 04:01:01:11/04:01:01:12/04:01:01:13/04:01:01:14/04:01:01:15/ 04:01:01:16/04:01:01:17/04:01:01:18/04:01:01:19/04:01:01:20/ 04:01:01:21/04:01:01:22/04:01:01:23/04:01:01:24N/04:01:01:25/ 04:01:01:26/04:01:01:27/04:01:01:28/04:01:01:29/04:01:01:30/ 04:01:01:31/04:01:01:32/04:01:01:33/04:01:01:34/04:01:01:35/ 04:01:41/126:01:01:01/126:01:01:02/670:01/849:01/878:01N/ 939:01N/1001:01
DPB1	04:02:01G	04:CAVRS	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/ 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/ 105:01:01:09/105:01:01:10/665:01/701:01/725:01/730:01/927:01/ 958:01/981:01/985:01N/1013:01/1035:01

## HLA TYPING REPORT - APPENDIX

Locus	G Code	NMDP Allele Code	Segment Sequenced	Included Alleles
DQB1	03:01:01G	03:BMSUA	Exon 2,3	03:01:01:01/03:01:01:02/03:01:01:03/03:01:01:04/03:01:01:05/ 03:01:01:06/03:01:01:07/03:01:01:08/03:01:01:09/03:01:01:10/ 03:01:01:11/03:01:01:12/03:01:01:14/03:01:01:15/03:01:01:16/ 03:01:01:17/03:01:01:18/03:01:01:19/03:01:01:20/03:01:01:21Q/ 03:01:41/03:01:43/03:01:44/03:276N/03:292/03:293/03:294/ 03:297/03:326/03:342/03:350
DQB1	05:01:01G	05:CAVTD	Exon 2,3	05:01:01:01/05:01:01:02/05:01:01:03/05:01:01:04/05:01:01:05/ 05:01:24/05:01:24:02/05:01:26/05:01:27/05:01:28/05:01:29/ 05:01:33/05:01:35/05:01:38/05:183/05:193/05:194/05:195/05:216/ 05:232/05:234/05:237
DRB1	10:01:01G	10:BZDZX	Exon 2	10:01:01:01/10:01:01:02/10:01:01:03/10:01:10/10:01:12/10:01:13/ 10:19/10:25/10:28/10:33/10:34
DRB1	11:04:01G	11:BZEBC	Exon 2	11:04:01/11:04:15/11:04:16/11:04:17/11:04:20/11:198/11:224/ 11:230/11:244/11:253/11:255/11:258
DRB3	02:02:01G	02:BZEMZ	Exon 2	02:02:01:01/02:02:01:02/02:02:01:03/02:02:01:04/02:02:01:05/ 02:02:01:06/02:02:01:07/02:02:01:08/02:02:11/02:02:12/ 02:02:14/02:02:15/02:02:16/02:02:17/02:02:18/02:02:20/ 02:02:22/02:28/02:29N/02:69/02:71/02:85/02:86/02:96/02:108/ 02:113