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TEST INFO

Sample Date: 06/25/19

Amp Tech: AZ

Kit Lot #: K3783-BR

Sample ID: 1813071

Analysis Tech: AZ

Test Date: 6/25/2019

Patient ID: SABR

Review Tech:

SUMMARY

This session includes tests for A, B, C, DR, DQA, DQB, DPA and DPB

TEST	GENOTYPE	PHENOTYPE	TEST	GENOTYPE	PHENOTYPE
A	A*23 A*33	A23 A33	C	C*06 C*08	Cw6 Cw8
B	B*14 B*45	B65 B45	BW46	-	Bw6 Bw6
DR	DRB1*09 DRB1*11	DR9 DR11	DRB345	DRB3*02 DRB4*01	DR52 DR53
DQA	DQA1*01 DQA1*03	DQA1*01 DQA1*03	DQB	DQB1*02 DQB1*06	DQ2 DQ6
DPA	DPA1*02 DPA1*02	DPA1*02 DPA1*02			

EPITYPE	ALLELES	HVR-A	HVR-B	HVR-C	HVR-D	HVR-E	HVR-F
EDP13	DPB1* 13:01:01:01 (+18 rare alleles)	VYQL	EEYA	AAE	ILEEE	I	DEAV
EDP17	(7 rare alleles)	VHQL	EEFV	DED	ILEEE	M	DEAV

*One side of this epitype requires a RARE allele, review results to confirm assignment.
 This epitype was MANUALLY chosen.*

The HLA-DPB1 test result requires a RARE allele assignment.

(Notice: Cannot exclude other combinations. Review all results.)
 All test results are based on IMGT/HLA database release version 3.33.0 - Jul 2018

For research use only. Not for use in diagnostic procedures.

LABORATORY ASSIGNMENT

HLA-A: **A23 A33**
HLA-C: **Cw6 Cw8**
HLA-DQA1: **DQA1*01 DQA1*03**
HLA-DPA1: **DPA1*02 DPA1*02**

HLA-B: **B65 B45**
HLA-DRB1: **DR9 DR11**
HLA-DQB1: **DQ2 DQ6**
HLA-DPB1: **DPB1*13:01**
DPB1*131:01

Bw: **Bw6 Bw6**
HLA-DRB345: **DR52 DR53**

HLA-A

GROUP	ALLELES	ANTIGEN
A*23	A* 23:01:01:01 ;A* 23:01:01:02e-23:01:22e, 23:12e	A23
	A*;A* 23:07Ne-23:08Ne, 23:11Ne	Null
	A*;A* 23:03:01d, 23:05d-23:06d, 23:13d, 23:15d, 23:17:01:01d, 23:19Nd;A* 23:02e, 23:03:02e, 23:10e, 23:16e, 23:17:01:02e-23:18e, 23:20e-23:30e, 23:32e-23:33e, 23:35e-23:44e, 23:47e-23:50e, 23:52e, 23:54e-23:56e, 23:58e-23:63e, 23:65e, 23:67e-23:68e, 23:71e-23:79e, 23:81e-23:82e, 23:84Ne-23:88e	-
A*33	A* 33:01:01:01 ;A* 33:05d;A* 33:01:01:02e-33:01:04e, 33:01:06e-33:01:11e	A33
	A*;A* 33:04e, 33:07e, 33:16e, 33:27e, 33:32:02e, 33:34e, 33:49e-33:50e, 33:64e, 33:67e-33:69e, 33:89e, 33:91e, 33:109e, 33:111e, 33:121e-33:122e, 33:127e, 33:129Ne, 33:136e, 33:143Ne	-

HLA-B

GROUP	ALLELES	ANTIGEN
B*14	B*;B* 14:06:02e	B14
	B* 14:02:01:01 ;B* 14:02:01:02e-14:02:16e	B65
	B*;B* 14:09d;B* 14:04e, 14:15e-14:17e, 14:20e, 14:22e, 14:24e-14:25e, 14:27e, 14:29e-14:31e, 14:34e-14:39e, 14:41Ne, 14:44e-14:45e, 14:50e-14:52e, 14:58e, 14:60e-14:61e	-
B*45	B* 45:01:01 ;B* 45:01:02e-45:01:03e	B45
	B*;B* 45:03e, 45:05e, 45:07e, 45:11e-45:23e	-

Bw

	ALLELES	ANTIGEN
Bw6	B* 14:02:01:01 / B* 45:01:01 / B*;B* 14:09d;B* 14:02:01:02e-14:02:16e, 14:04e, 14:06:02e, 14:15e-14:17e, 14:20e, 14:22e, 14:24e-14:25e, 14:27e, 14:29e-14:31e, 14:34e-14:39e, 14:41Ne, 14:44e-14:45e, 14:50e-14:52e, 14:58e, 14:60e-14:61e / B* 45:01:02e-45:01:03e, 45:03e, 45:05e, 45:07e, 45:11e-45:23e	Bw6

HLA-C

GROUP	ALLELES	ANTIGEN
C*06	C* 06:02:01:01 ;C* 06:02:01:02d;C* 06:02:01:03e-06:02:07e, 06:02:09e-06:02:26e, 06:02:28e-06:02:54e	Cw6
	C*;C* 06:07d-06:09d, 06:27d;C* 06:03:02e, 06:04:02e, 06:10e-06:15e, 06:17e-06:26e, 06:28e-06:29e, 06:32e-06:34:01e, 06:36e-06:43e, 06:45e-06:66e, 06:68e-06:71e, 06:73e-06:76:01e, 06:77e-06:100e, 06:102e-06:117e, 06:119e-06:123e, 06:125e-06:126e, 06:128Ne-06:131e, 06:133e-06:135e, 06:137e, 06:139e-06:142e, 06:145e-06:146e, 06:148e-06:152Ne, 06:154e-06:167e, 06:169e-06:191e, 06:193e-06:196e, 06:199e-06:203e, 06:205e-06:209e, 06:211Ne-06:216e, 06:218e-06:219e	-

GROUP	ALLELES	ANTIGEN
C*08	C* 08:02:01:01, 08:04:01; C* 08:02:01:02e-08:02:03e, 08:02:05e-08:02:06e, 08:02:08e-08:02:10e, 08:02:12e-08:02:17e, 08:04:02e-08:04:03e	Cw8
	C*;C* 08:05d;C* 08:07e, 08:17e-08:19e, 08:23e, 08:28e, 08:30e, 08:32e, 08:33:03e-08:35e, 08:37e, 08:43e, 08:45e, 08:48e-08:49e, 08:52Ne-08:55Ne, 08:62e-08:63e, 08:66e-08:71e, 08:73e-08:77e, 08:90e, 08:92e-08:93e, 08:100e, 08:103e-08:104e, 08:107e-08:108e, 08:110e-08:112e, 08:114e-08:116e, 08:120e, 08:125e, 08:132e, 08:134e, 08:138e-08:140e, 08:142e, 08:146e, 08:150e-08:151e, 08:156e, 08:158e-08:159e, 08:161Ne, 08:166e-08:167e	-

HLA-DR

GROUP	ALLELES	ANTIGEN
DRB1*09	DRB1* 09:01:02:01; DRB1* 09:01:02:02e-09:01:11e	DR9
	DRB1*;DRB1* 09:04d, 09:06d;DRB1* 09:03e, 09:07e-09:22e, 09:24e-09:34e	-
DRB1*11	DRB1* 11:01:01:01, 11:01:02, 11:19:01; DRB1* 11:08:01d, 11:29:01d, 11:37:01d;DRB1* 11:01:01:02e-11:01:01:04e, 11:01:04e-11:01:09e, 11:01:13e-11:01:30e, 11:08:02e, 11:19:03e, 11:37:02e	DR11
	DRB1* 11:12:01, 11:15; DRB1* 11:24:01d, 11:28:01d, 11:32d, 11:39d, 11:66d;DRB1* 11:12:03e, 11:24:02e, 11:33e, 11:49e, 11:51e, 11:61e, 11:73e-11:75e, 11:81e, 11:90e-11:91e, 11:93e-11:95e, 11:97e, 11:99e-11:101e, 11:106e, 11:108e-11:112e, 11:114e, 11:117e, 11:120e-11:121e, 11:126e, 11:128e, 11:133e-11:134e, 11:140e-11:141e, 11:143e-11:145e, 11:147e, 11:150e, 11:152e, 11:154e-11:155e, 11:157e-11:158e, 11:162e, 11:164e, 11:166e-11:167e, 11:169Ne-11:170e, 11:172e, 11:175e, 11:177e-11:178e, 11:183e-11:186e, 11:188e, 11:191e, 11:197e, 11:199e, 11:204e-11:205e, 11:208e, 11:212e, 11:215e, 11:219e, 11:222e, 11:225e-11:226e, 11:228e	-

HLA-DRB345

GROUP	ALLELES	ANTIGEN
DRB3	DRB3*;DRB3* 02:06d, 02:17d;DRB3* 02:04e-02:05e, 02:12e-02:16e, 02:18e-02:19e, 02:21e-02:26e, 02:28e-02:36e, 02:39e-02:41e, 02:43e, 02:45e-02:49e, 02:51e-02:57e, 02:59e-02:69e, 02:71e-02:79e	-
	DRB3* 02:01-02:02:01:01; DRB3* 02:02:02d, 02:11d;DRB3* 02:02:01:02e, 02:02:03e-02:02:12e, 02:07e-02:08e	DR52
DRB4	DRB4* 01:01:01:01; DRB4* 01:01:02e, 01:05e	DR53
	DRB4*;DRB4* 01:04e, 01:06e-01:08e, 01:11e-01:22e, 01:24e-01:62e, 01:64e-01:69e	-

HLA-DQA1

GROUP	ALLELES	ANTIGEN
DQA1*01	DQA1* 01:02:01:01; DQA1* 01:02:02d;DQA1* 01:02:01:02e-01:02:01:09e, 01:02:03e-01:02:04e, 01:06e, 01:08e-01:09e, 01:11e, 01:13e, 01:16Ne	-
DQA1*03	DQA1* 03:03:01:01; DQA1* 03:03:01:02e-03:04e	-

HLA-DQB1

GROUP	ALLELES	ANTIGEN
DQB1*02	DQB1* 02:02:01:01;DQB1* 02:01:02e-02:01:03e, 02:01:09e-02:01:23e, 02:01:26e, 02:02:01:02e-02:02:05e	DQ2
	DQB1*;DQB1* 02:04e-02:06e, 02:07:02e, 02:10e-02:13e, 02:14:02e-02:26e, 02:28e-02:47e, 02:49e-02:53Qe, 02:55e-02:56e, 02:58Ne, 02:60e-02:62e, 02:64e-02:71e, 02:73e-02:76e, 02:78e, 02:80e-02:81e, 02:84e-02:95e, 02:97e, 02:100e-02:101e, 02:103e-02:104e	-
DQB1*06	DQB1*;DQB1* 06:11:01d;DQB1* 06:11:02e-06:11:03e	DQ1
	DQB1* 06:02:01:01;DQB1* 06:02:01:02e-06:02:04e, 06:02:06e-06:02:13e, 06:02:15e-06:02:34e	DQ6
	DQB1*;DQB1* 06:15e-06:16e, 06:20e, 06:24e, 06:33e, 06:37e, 06:46e-06:51e, 06:68e, 06:70e-06:81e, 06:83e-06:84e, 06:95e-06:97e, 06:106e-06:107e, 06:109e, 06:111e-06:118e, 06:122e, 06:125e-06:127e, 06:131e, 06:136e-06:138e, 06:146e-06:147e, 06:150e-06:152e, 06:159e, 06:161e, 06:166e, 06:173e-06:176e, 06:178e-06:179Ne, 06:182e-06:183e, 06:188e, 06:192e, 06:197e-06:198e, 06:200e, 06:208e, 06:211e, 06:213e, 06:215e-06:216Ne, 06:219e, 06:224e-06:228e, 06:232e, 06:235e-06:237e, 06:240e, 06:242e, 06:249e, 06:255e-06:256e, 06:262e, 06:264e, 06:270e-06:271e, 06:273e, 06:275e	-

HLA-DPA1

GROUP	ALLELES	ANTIGEN
DPA1*02	DPA1* 02:01:01:01, 02:07:01:01;DPA1* 02:01:01:02e-02:06e, 02:07:01:02e-02:11e	-
DPA1*02	DPA1* 02:01:01:01, 02:07:01:01;DPA1* 02:01:01:02e-02:06e, 02:07:01:02e-02:11e	-
<i>This genotype consists of alleles from a single group.</i>		

For your information, there are additional alleles which are not detected by any assay in this test.

HLA-DPB1

EPITYPE	ALLELES	HVR-A	HVR-B	HVR-C	HVR-D	HVR-E	HVR-F
EDP13	DPB1* 13:01:01:01;DPB1* 13:01:01:02e-13:01:02e / DPB1* 107:01e / DPB1* 362:01e / DPB1* 393:01e / DPB1* 438:01e / DPB1* 449:01e / DPB1* 518:01e / DPB1* 564:01e / DPB1* 565:01e / DPB1* 597:01e / DPB1* 600:01e / DPB1* 612:01e / DPB1* 703:01e	VYQL	EEYA	AAE	ILEEE	I	DEAV
EDP17	DPB1*;DPB1* 131e / DPB1* 241:01e / DPB1* 245:01e / DPB1* 361:01e / DPB1* 407:01e / DPB1* 447:01e	VHQL	EEFV	DED	ILEEE	M	DEAV

*One side of this epitope requires a RARE allele, review results to confirm assignment.
This epitope was MANUALLY chosen.*

This genotype was selected.

Cannot exclude the following genotypes::
EDP*13 (1 common) EDP*343 (all rare), EDP*13 (1 common) EDP*251 (all rare), EDP*17 (all rare) EDP*160 (all rare), EDP*17 (all rare) EDP*503 (all rare), EDP*17 (all rare) EDP*544 (all rare), EDP*160 (all rare) EDP*251 (all rare), EDP*343 (all rare) EDP*503 (all rare), EDP*251 (all rare) EDP*503 (all rare), EDP*343 (all rare) EDP*544 (all rare), EDP*160 (all rare) EDP*343 (all rare), EDP*251 (all rare) EDP*544 (all rare)