

INTERPRETATION TABLE																
HLA-B*27 SSP subtyping																
Amplification patterns of the B*27:01 to B*27:73 alleles																
	Well ⁵															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	390	405	120	245	400	415	410	95	205	90	190	310	215	120	250	155
PCR product(s)										185		425	370	345	370	245
													400			
Length of int.	800	800	###	###	###	800	###	###	###	800	###	###	800	800	###	###
pos. control ¹																
5'-primer(s) ²	72	72	167	97	72	72	72	363	363	363	412	14	72	72	72	355
	5'-gCT ³	5'-gCT ³	5'-gCT ³	5'-TCC ³	5'-gCT ³	5'-gCT ³	5'-gCT ³	5'-AAT ³	5'-AAT ³	5'-AAT ³	5'-ATA ³	5'-gga ³	5'-gCT ³	5'-gCT ³	5'-gCT ³	5'-TCA ³
												385	363	409	351	662
												5'-ggT ³	5'-AAT ³	5'-ggC ³	5'-CAA ³	5'-CCT ³
3'-primer(s) ³	292	309	247	301	301	317	311	418	527	409	559	272	272	248	272	559
	5'-gTA ³	5'-ATC ³	5'-ATg ³	5'-gTC ³	5'-gCT ³	5'-gga ³	5'-ggT ³	5'-gTC ³	5'-CCT ³	5'-ATA ³	5'-CTC ³	5'-Tgc ³	5'-Tgc ³	5'-AAA ³	5'-Tgg ³	5'-CTC ³
	292				302					419		3 rd I	301	486	559	774
	5'-gTA ³				5'-ggC ³					5'-Cgg ³		5'-TAT ³	5'-gTC ³	5'-gCT ³	5'-CTC ³	5'-ggT ³
										419			538			
										5'-Cga ³			5'-gTC ³			
										505						
										5'-gCC ³						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-B allele ⁴																
Length of spec.	390	405	120	245	400	415	410	95	205	90	190	310	215	120	250	155

PCR product(s)										185		425	370	345	370	245
													400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*27:01	1					6		8								
*27:02		2				6		8								
*27:03			3	4		6		8								
*27:04:01					5	6		8	9							
*27:04:02-27:04:03					5	6		8	9							
*27:05:02-27:05:03, 27:05:05-27:05:15				4		6		8								
*27:05:04				4				8								
*27:06					5	6			9	10						
*27:07				4		6					11					
*27:08					5		7	8								
*27:09				4		6										
*27:10				4		6		8	9							
*27:11					5	6					11					
*27:12					5		7	8					13			
*27:13				4		6		8				12				
*27:14				4		6										
*27:15					5	6		8	9							
*27:16				4		6		8					13			
*27:17				4		6		8						14		
*27:18	1				5		7	8	9						15	
*27:19				4		6										16
*27:20					5	6			9		11					
*27:21					5	6										
*27:23	1				5	6		8								
*27:24					5	6					11					
*27:25					5	6		8	w							
*27:26					5		7	8								
*27:27				4		6					11					
*27:28				4		6		8								
*27:29	1			4		6		8							15	
*27:30		2				6										16
*27:31					5	6		8								
*27:32				4		6										
*27:33					5		7				11					
*27:34				4		6								14		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	390	405	120	245	400	415	410	95	205	90	190	310	215	120	250	155
PCR product(s)										185		425	370	345	370	245

														400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
*27:35				4		6				10							
*27:36					5	6		8									
*27:37						6		8									
*27:38				4		6		8									
*27:39				4		6		8									
*27:40					5		7	8	9								
*27:41				4		6				10							
*27:42							7	8									
*27:43				4		6					11	12					
*27:44	1				5		7	8									
*27:45				4		6		8									
*27:46				4		6											
*27:47				4		6		8					13				
*27:48				4		6		8									
*27:49				4		6		8									
*27:50				4		6		8									
*27:51				4		6		8									
*27:52				4		6		8									
*27:53		2				6		8					13				
*27:54				4		6		8	9								
*27:55				4		6		8									
*27:56				4		6		8									
*27:57		2				6		8									
*27:58				4		6		8									
*27:59N				4		6		8									
*27:60				4		6		8		10							
*27:61					5	6		8									
*27:62		2				6		8									
*27:63					5	6		8	9								
*27:64N				4		6		8									
*27:65N		2				6		8									
*27:66N					5	6		8	9								
*27:67				4		6		8									
*27:68					5	6		8	9							16	
*27:69					5	6		8	9								
*27:70				4		6											
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Length of spec.	390	405	120	245	400	415	410	95	205	90	190	310	215	120	250	155	
PCR product(s)										185		425	370	345	370	245	
													400				

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
*27:71				4		6		8									
*27:72				4		6		8									
*27:73				4		6		8							15		
*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 08:40, 13:02:01-13:02:09, 13:08Q-13:09, 13:11, 13:14-13:16, 13:18-13:19, 13:27, 13:30-13:33, 13:37-13:38, 13:40, 35:31, 39:47, 39:50, 40:01:01-40:01:17, 40:07, 40:16, 40:23, 40:40, 40:66, 40:72:01, 40:73, 40:77, 40:79, 40:138-40:140, 40:146-40:147, 40:150, 40:152-40:153, 40:155N, 44:31, 51:10, 51:16, 51:31, 51:34, 51:81-51:82, 51:93, 52:08, 55:09, 55:22, 55:24, 58:27											11						
*07:12, 07:14, 07:18:01-07:18:02, 13:01:03, 13:26, 15:201, 35:15, 35:33, 40:59, 44:16, 44:21, 44:64:01-44:64:02, 57:13, 57:25, C*03:34 , C*15:42																16	
*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:61-15:62, 15:64, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39, 39:49, 42:11, 44:40, 44:44, 48:02:01-48:02:02, 48:08, 48:23, 52:16, 55:18																	
*07:28, 08:14, 44:54, 44:106																	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Length of spec.	390	405	120	245	400	415	410	95	205	90	190	310	215	120	250	155	
PCR product(s)										185		425	370	345	370	245	
													400				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

*13:01:01-13:01:02, 13:01:04-13:01:05, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25, 13:28-13:29, 13:36, 13:39, 35:88											11					16
*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 44:41:01, 44:65, C*02:07																
*15:129									w	10						
*18:01:01, 18:01:03-18:01:09, 18:04-18:06, 18:08, 18:10-18:15, 18:17N-18:24, 18:26-18:28, 18:30-18:32, 18:34-18:36, 18:38-18:42, 18:44-18:48, 18:50-18:52, 37:11, 40:02:10, 40:03, 40:05, 40:20, 40:39, 40:89, 47:02	1				5		7								15	
*18:01:02, 18:03					5		7								15	
*18:02	1				5		7			10					15	
*18:07:01-18:07:02, 18:29, 35:42:01-35:42:02	1				5		7									
*18:09, 37:10, 47:01:01:01-47:01:01:02, 47:06-47:07	1					6									15	
*18:37	1				5		7								15	
*18:43	1				5		7								15	
*18:49, 37:05	1						7								15	
*35:113, 39:62, 44:98											12					
*37:01:01-37:01:07, 37:03N-37:04:02, 37:06-37:09, 37:12-37:13, 37:15-37:20, 37:22, 37:24-37:25	1			4		6									15	
*37:02	1			4		6		8							15	
*37:14, 47:03	1				5	6									15	
*37:21	1			4		6										
*37:23	1			4		6									15	
*38:22										10						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	310	215	120	250	155
PCR product(s)										185		425	370	345	370	245
													400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*40:02:01-40:02:02, 40:02:04-40:02:06, 40:02:08-40:02:09, 40:02:11, 40:06:01:01-40:06:01:02, 40:06:03, 40:70, 40:94, 40:97, 40:122, 40:142N-40:144N	1				5		7				11				15	
*40:02:03, 40:08	1				5		7				11					
*40:02:07, 40:06:02	1				5		7				11			14	15	
*40:04	1				5		7				11				15	16
*40:09, 40:18, 40:24, 40:26, 40:28, 40:32-40:33, 40:42, 40:44, 40:52, 40:63, 40:71, 40:92, 40:98, 40:131, 40:133Q	?				?		?								?	
*40:10:01-40:11:02, 40:14:01-40:15, 40:21-40:22N, 40:25, 40:27:01, 40:29, 40:35-40:36, 40:38, 40:48-40:49, 40:53-40:58, 40:62, 40:65, 40:67, 40:69, 40:72:02, 40:74, 40:78, 40:81-40:88, 40:90-40:91, 40:95, 40:100-40:102, 40:104-40:105, 40:107-40:108, 40:111-40:116, 40:119, 40:121, 40:123, 40:125-40:128, 40:130, 40:132, 40:134, 40:136, 40:141, 40:145, 40:148-40:149, 40:151, 40:154, 40:156, 40:158	?				?		?				11				?	
*40:12, 48:03:01-48:03:02, 48:05, 48:10, 48:12-48:14											11					
*40:13		2				6					11					
*40:19, 40:117		?				?					11				?	
*40:30, 40:34, 40:64, 40:99, 40:129, 40:137	?				?		?				11				?	16
*40:31	?				?		?								?	
*40:37, 40:135	?						?				11				?	
*40:43, 40:50	1				?		?				11				?	
*40:45, 40:80	?				?		?				11				?	
*40:46, 40:93	?				?		?				11				?	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	390	405	120	245	400	415	410	95	205	90	190	310	215	120	250	155

PCR product(s)										185		425	370	345	370	245
													400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*40:47, 40:96, 40:110, 40:157	?					?					11				?	
*40:61, 40:103, 40:106	?				?		?				11					
*40:68	?				?		?				11					16
*40:75	?				?		?				11		?			
*40:76	?				?						11				?	
*40:109	?	?				?					11				?	
*40:118N	?				?		?				11				?	
*40:120	?				?		?								?	16
*40:124:02	?				?		?								?	
*44:20, 44:47, 44:100, 51:85																
*47:04-47:05	1					6		8							15	
*48:01:01-48:01:03, 48:04, 48:07, 48:09, 48:11, 48:15-48:16, 48:18-48:20, 48:22, 48:24											11					
*48:06, 81:01-81:05											11					
*48:17																16
*48:21											11					
*51:32																
*57:03:02, 02:36, C*02:23														14		
*82:01-82:03					5		7									
A*23:23																
C*07:05										10						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

310	175	240	175	160	195		260		145	290	325	105	240	160		PCR product(s)
	415		215		235				235	320						
			345		375											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
						23										*27:01
						23										*27:02
						23										*27:03
				21		23										*27:04:01
				?		23										*27:04:02-27:04:03
						23										*27:05:02-27:05:03, 27:05:05-27:05:15
						23										*27:05:04
				21		23										*27:06
						23										*27:07
						23										*27:08
			20			23										*27:09
						23										*27:10
						23										*27:11
						23										*27:12
17																*27:13
																*27:14
					22											*27:15
						23										*27:16
						23										*27:17
						23	24									*27:18
						23										*27:19
						23										*27:20
						23										*27:21
						23										*27:22
	18			21												*27:24
		19	20	21												*27:25
					22	23										*27:26
						23										*27:27
					22		24									*27:28
						23	24									*27:29
					22	23										*27:30
																*27:31
	18														32	*27:32
																*27:33
																*27:34
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec.
310	175	240	175	160	195		260		145	290	325	105	240	160		PCR product(s)

	415		345 215		375 235				235	320						
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
		19				23										Well No.
			20			23										*27:35
						23										*27:36
					22	23										*27:37
		19														*27:38
				21		23										*27:39
						23										*27:40
						23										*27:41
						23										*27:42
																*27:43
						23										*27:44
			20			23										*27:45
						23		25								*27:46
		19														*27:47
						23				28						*27:48
	18					23										*27:49
		19				23										*27:50
17						23										*27:51
						23			26							*27:52
						23										*27:53
						23						29				*27:54
					22	23										*27:55
						23								31		*27:56
						23				27						*27:57
						23				27						*27:58
						23						30				*27:59N
						23										*27:60
						23										*27:61
					22		24									*27:62
		19														*27:63
						23			26		28					*27:64N
						23								31		*27:65N
				21		23				27						*27:66N
						23						29				*27:67
				21		23										*27:68
			20	21		23										*27:69
															32	*27:70
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
310	100															Length of spec.
310	175	240	175	160	195		260			290	325	105	240	160		PCR product(s)
	415		215		235				235	320						

			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
					22												*27:71
						23			26				30				*27:72
						23							30				*27:73
																	*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 08:40, 13:02:01-13:02:09, 13:08Q-13:09, 13:11, 13:14-13:16, 13:18-13:19, 13:27, 13:30-13:33, 13:37-13:38, 13:40, 35:31, 39:47, 39:50, 40:01:01-40:01:17, 40:07, 40:16, 40:23, 40:40, 40:66, 40:72:01, 40:73, 40:77, 40:79, 40:138-40:140, 40:146-40:147, 40:150, 40:152-40:153, 40:155N, 44:31, 51:10, 51:16, 51:31, 51:34, 51:81-51:82, 51:93, 52:08, 55:09, 55:22, 55:24, 58:27
																	*07:12, 07:14, 07:18:01-07:18:02, 13:01:03, 13:26, 15:201, 35:15, 35:33, 40:59, 44:16, 44:21, 44:64:01-44:64:02, 57:13, 57:25, C*03:34 , C*15:42
							24										*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:61-15:62, 15:64, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39, 39:49, 42:11, 44:40, 44:44, 48:02:01-48:02:02, 48:08, 48:23, 52:16, 55:18
	18														32		*07:28, 08:14, 44:54, 44:106
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec.	
310	175	240	175	160	195		260		145	290	325	105	240	160		PCR product(s)	
	415		215		235				235	320							
			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	

																	*13:01:01-13:01:02, 13:01:04-13:01:05, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25, 13:28-13:29, 13:36, 13:39, 35:88
																32	*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 44:41:01, 44:65, C*02:07
		19	20														*15:129
																	*18:01:01, 18:01:03-18:01:09, 18:04-18:06, 18:08, 18:10-18:15, 18:17N-18:24, 18:26-18:28, 18:30-18:32, 18:34-18:36, 18:38-18:42, 18:44-18:48, 18:50-18:52, 37:11, 40:02:10, 40:03, 40:05, 40:20, 40:39, 40:89, 47:02
					22		24										*18:01:02, 18:03
																	*18:02
																	*18:07:01-18:07:02, 18:29, 35:42:01-35:42:02
																	*18:09, 37:10, 47:01:01:01-47:01:01:02, 47:06-47:07
							24										*18:37
					22												*18:43
																	*18:49, 37:05
																	*35:113, 39:62, 44:98
																	*37:01:01-37:01:07, 37:03N-37:04:02, 37:06-37:09, 37:12-37:13, 37:15-37:20, 37:22, 37:24-37:25
						23											*37:02
																	*37:14, 47:03
																	*37:21
			20														*37:23
		19															*38:22
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		Well No.

100	310	95	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec.	
		415			215		195		235		290		325		240	160		PCR product(s)	
				345		375													
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.			
																*40:02:01-40:02:02, 40:02:04 40:02:06, 40:02:08-40:02:09, 40:02:11, 40:06:01:01-40:06:01:02, 40:06:03, 40:70, 40:94, 40:97, 40:122, 40:142N-40:144N			
																*40:02:03, 40:08			
																*40:02:07, 40:06:02			
																*40:04			
																*40:09, 40:18, 40:24, 40:26, 40:28, 40:32 -40:33, 40:42, 40:44, 40:52, 40:63, 40:71, 40:92, 40:98, 40:131, 40:133Q			
																*40:10:01-40:11:02, 40:14:01-40:15, 40:21-40:22N, 40:25, 40:27:01, 40:29, 40:35-40:36, 40:38, 40:48-40:49, 40:53- 40:58, 40:62, 40:65, 40:67, 40:69, 40:72:02, 40:74, 40:78, 40:81- 40:88, 40:90-40:91, 40:95, 40:100- 40:102, 40:104-40:105, 40:107- 40:108, 40:111-40:116, 40:119, 40:121, 40:123, 40:125-40:128, 40:130, 40:132, 40:134, 40:136, 40:141, 40:145, 40:148-40:149, 40:151, 40:154, 40:156, 40:158			
							24									*40:12, 48:03:01-48:03:02, 48:05, 48:10, 48:12-48:14			
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	18															*40:30, 40:34, 40:64, 40:99, 40:129, 40:137			
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	18															*40:43, 40:50			
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																*40:46, 40:93			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.			
100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec.			

310	415	240	215	160	195		260		145	290	325	105	240	160		PCR product(s)
			345		375				235	320						
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*40:47, 40:96, 40:110, 40:157
																*40:61, 40:103, 40:106
																*40:68
																*40:75
																*40:76
																*40:109
											28					*40:118N
																*40:120
17															32	*40:124:02
																*44:20, 44:47, 44:100, 51:85
						23										*47:04-47:05
	18						24									*48:01:01-48:01:03, 48:04, 48:07, 48:09, 48:11, 48:15-48:16, 48:18- 48:20, 48:22, 48:24
	18															*48:06, 81:01-81:05
							24									*48:17
			20			23	24									*48:21
			20													*51:32
																*57:03:02, 02:36, C*02:23
					22											*82:01-82:03
								25								A*23:23
					22											C*07:05
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

[illegible]