

INTERPRETATION TABLE																
HLA-B*27 SSP subtyping																
Amplification patterns of the B*27:01 to B*27:86 alleles																
	Well ⁶															
	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	210	215	120	250	155
PCR product(s)										185		425 310	400 370	345	370	245
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'
												104	363	409	351	662
												385				
												5'-ggT 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

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-B allele ^{4,5}																
*27:01	1					6		8								
*27:02:01-27:02:02, 27:75, 27:77, 27:83		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- 27:05:17, 27:80, 27:82, 27:84				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, 27:81				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										
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	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			

[illegible]

*27:71				4		6		8									
*27:72				4		6		8									
*27:73				4		6		8							15		
*27:74				4		6		8				12					
*27:76				4		6											
*27:78				4		6				10							
*27:79, 27:86					5	6		8	9								
*27:85				4		6		8									
*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, 07:123, 07:138, 07:140, 08:40, 13:02:01-13:02:12, 13:08Q-13:09, 13:11, 13:14-13:16, 13:18-13:19, 13:27, 13:30-13:33, 13:37- 13:38, 13:40-13:42, 13:44-13:45, 13:47, 13:49N, 35:31, 39:47, 39:50, 40:01:01-40:01:23, 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, 41:19, 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, 13:51, 15:201, 35:15, 35:33, 40:59, 44:16, 44:21, 44:64:01- 44:64:02, 44:124, 57:13, 57:25, C*03:34, C*15:42, C*17:01:07																	16
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	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	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, 15:210, 15:220, 15:235, 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, 44:130, 48:02:01- 48:02:02, 48:08, 48:23, 48:25, 52:16, 55:18																
*07:28, 07:118, 08:14, 44:54, 44:106, 44:135																
*07:137, 13:01:01-13:01:02, 13:01:04- 13:01:06, 13:07N, 13:13, 13:17, 13:20- 13:23, 13:25, 13:28-13:29, 13:36, 13:39, 13:43, 13:50, 13:52, 35:88											11					16
*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 44:41:01, 44:65, C*02:07																
*15:129									w	10						
*15:227, 51:32																
*18:01:01, 18:01:03-18:01:14, 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- 18:53, 18:55-18:66, 18:68, 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, 35:01:23, 35:42:01-35:42:02	1				5		7									
*18:09, 37:10, 47:01:01:01-47:01:02, 47:06-47:08	1					6									15	
*18:37	1				5		7								15	
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	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
*18:43	1				5		7								15		
*18:49, 37:05	1						7								15		
*18:54, 37:01:01-37:01:08, 37:03N-37:04:02, 37:06-37:09, 37:12-37:13, 37:15-37:20, 37:22, 37:24-37:25, 37:30N-37:31	1			4		6									15		
*18:67	1	2				6									15		
*35:113, 39:62, 44:98, 46:27												12					
*37:02	1			4		6		8							15		
*37:14, 37:29, 47:03	1				5	6									15		
*37:21, 37:26	1			4		6											
*37:23	1			4		6									15		
*37:27	1			4		6									15		
*37:28	1			4		6									15		
*38:22									10								
*40:02:01-40:02:02, 40:02:04-40:02:06, 40:02:08-40:02:09, 40:02:11-40:02:12, 40:06:01:01-40:06:01:02, 40:06:03-40:06:04, 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, 40:159, 40:163, 40:172, 40:174	?				?		?								?		
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	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*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, 40:161, 40:164-40:165, 40:167-40:171, 40:173, 40:175-40:177	?				?		?				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				?	
*40:27:02, 40:61, 40:103, 40:106, 40:162	?				?		?				11					
*40:30, 40:34, 40:64, 40:99, 40:129, 40:137, 40:160	?				?		?				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				?	
*40:47, 40:96, 40:110, 40:157	?					?					11				?	
*40:68	?				?		?				11					16
*40:75	?				?		?				11		?			
*40:76	?				?						11				?	
*40:109	?	?				?					11				?	
*40:118N	?				?		?				11				?	
*40:120	?				?		?								?	16
*40:124:02	?				?		?								?	
*40:166					?		?				11					
*44:20, 44:47, 44:100, 51:85, 52:26																
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	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
*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, 48:27											11						
*48:06, 81:01-81:05											11						
*48:17																16	
*48:21											11						
*48:26								8									
*57:03:02, C*02:23, C*02:36														14			
*82:01-82:03					5		7										
A*23:23																	
A*24:185N																	
C*07:05										10							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

[illegible]

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	370	PCR product(s)
	415		215		235				235	320		210				
			345		375											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-B allele ^{4,5}
						23										*27:01
						23										*27:02:01-27:02:02, 27:75, 27:77, 27:83
						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- 27:05:17, 27:80, 27:82, 27:84
						23										*27:05:04
				21		23										*27:06
																*27:07
						23										*27:08
			20			23										*27:09
						23										*27:10
																*27:11
						23										*27:12
						23										*27:13
17																*27:14, 27:81
					22											*27:15
						23										*27:16
						23										*27:17
						23	24									*27:18
																*27:19
						23										*27:20
																*27:21
						23										*27:23
	18			21												*27:24
		19	20	21												*27:25
					22	23										*27:26
						23										*27:27
					22		24									*27:28
						23	24									*27:29
																*27:30
					22	23										*27:31
	18														32	*27:32
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	370	PCR product(s)
	415		215		235				235	320		210				

			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
																	*27:33
																	*27:34
		19				23											*27:35
			20			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
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	370	PCR product(s)	
	415		215		235				235	320		210					
			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
															32	*27:70	

					22											*27:71
					23			26				30				*27:72
					23							30				*27:73
					23						29					*27:74
		19														*27:76
					23			25								*27:78
					23											*27:79, 27:86
					23									32		*27:85
																*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, 07:123, 07:138, 07:140, 08:40, 13:02:01-13:02:12, 13:08Q-13:09, 13:11, 13:14-13:16, 13:18-13:19, 13:27, 13:30-13:33, 13:37 13:38, 13:40-13:42, 13:44-13:45, 13:47, 13:49N, 35:31, 39:47, 39:50, 40:01:01-40:01:23, 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, 41:19, 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, 13:51, 15:201, 35:15, 35:33, 40:59, 44:16, 44:21, 44:64:01- 44:64:02, 44:124, 57:13, 57:25, <i>C*03:34, C*15:42, C*17:01:07</i>
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	370	PCR product(s)	
	415		215		235				235	320		210					
			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
							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, 15:210, 15:220, 15:235, 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, 44:130, 48:02:01-48:02:02, 48:08, 48:23, 48:25, 52:16, 55:18	
	18														32	*07:28, 07:118, 08:14, 44:54, 44:106, 44:135	
																*07:137, 13:01:01-13:01:02, 13:01:04-13:01:06, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25, 13:28-13:29, 13:36, 13:39, 13:43, 13:50, 13:52, 35:88	
															32	*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 44:41:01, 44:65, C*02:07	
		19	20													*15:129	
			20													*15:227, 51:32	
																*18:01:01, 18:01:03-18:01:14, 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, 18:50-18:53, 18:55-18:66, 18:68, 37:11, 40:02:10, 40:03, 40:05, 40:20, 40:39, 40:89, 47:02	
																*18:01:02, 18:03	
					22		24									*18:02	
																*18:07:01-18:07:02, 18:29, 35:01:23, 35:42:01-35:42:02	
																*18:09, 37:10, 47:01:01:01-47:01:02, 47:06-47:08	
							24									*18:37	
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	370	PCR product(s)	
	415		215		235				235	320		210					

			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
					22												*18:43
																	*18:49, 37:05
																	*18:54, 37:01:01-37:01:08, 37:03N-37:04:02, 37:06-37:09, 37:12-37:13, 37:15-37:20, 37:22, 37:24-37:25, 37:30N-37:31
																	*18:67
																	*35:113, 39:62, 44:98, 46:27
						23											*37:02
																	*37:14, 37:29, 47:03
																	*37:21, 37:26
			20														*37:23
										27							*37:27
							24										*37:28
		19															*38:22
																	*40:02:01-40:02:02, 40:02:04-40:02:06, 40:02:08-40:02:09, 40:02:11-40:02:12, 40:06:01:01-40:06:01:02, 40:06:03-40:06:04, 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, 40:159, 40:163, 40:172, 40:174
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	370	PCR product(s)
	415		215		235				235	320		210				
			345		375											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*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, 40:161, 40:164-40:165, 40:167-40:171, 40:173, 40:175-40:177
							24									*40:12, 48:03:01-48:03:02, 48:05, 48:10, 48:12-48:14
																*40:13
																*40:19, 40:117
																*40:27:02, 40:61, 40:103, 40:106, 40:162
																*40:30, 40:34, 40:64, 40:99, 40:129, 40:137, 40:160
	18															*40:31
																*40:37, 40:135
	18															*40:43, 40:50
							24									*40:45, 40:80
																*40:46, 40:93
																*40:47, 40:96, 40:110, 40:157
																*40:68
																*40:75
																*40:76
																*40:109
										28						*40:118N
																*40:120
															32	*40:124:02
					?											*40:166
17																*44:20, 44:47, 44:100, 51:85, 52:26
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	370	PCR product(s)
	415		215		235				235	320		210				

			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
						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, 48:27	
	18															*48:06, 81:01-81:05	
							24									*48:17	
			20			23	24									*48:21	
			20			23	24									*48:26	
																*57:03:02, C*02:23, C*02:36	
					22											*82:01-82:03	
								25								A*23:23	
														31		A*24:185N	
					22											C*07:05	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	

[illegible]