

INTERPRETATION TABLE								
HLA-B*14 SSP subtyping								
Amplification patterns of the B*14:01 to B*14:33 alleles								
	Well ⁷							
	1	2	3	4	5	6	7	8
Length of spec.	265	185	210	85	135	95	260	250
PCR product(s)				270	220	175		
Length of int.	800	1070	800	1070	1070	1070	1070	1070
pos. control ¹								
5'-primer(s) ²	361	103	103	353	91	113	363	103
	5' -AgT 3'	5' -CCT 3'	5' -CCg 3'	5' -CAA 3'	5' -ggC 3'	5' -CCA 3'	5' -Agg 3'	5' -CCT 3'
		103		539	564	363		103
		5' -CCT 3'		5' -gCg 3'	5' -TgA 3'	5' -AgC 3'		5' -CCT 3'
3'-primer(s) ³	583	246	272	583	269	246	583	310
	5' -gTg 3'	5' -TAT 3'	5' -TgC 3'	5' -gTg 3'	5' -AgT 3'	5' -TAT 3'	5' -gTg 3'	5' -gTT 3'
		246			3rd I	419		
		5' -TAT 3'			5' -TAT 3'	5' -CgA 3'		
Well No.	1	2	3	4	5	6	7	8
HLA-B allele ⁴								
*14:01:01-14:01:02, 14:26, 14:32	1	2						8
*14:02:01-14:02:07, 14:22, 14:24-14:25, 14:29-14:31, 14:33	1		3					
*14:03	1		3	4				
*14:04	1		w		5			
*14:05			3			6		
*14:06:01-14:06:02			3				7	
*14:07N	1	2			5			8
*14:08, 39:43 ⁵		2					7	8
*14:09	1		3					
*14:10		2						8
*14:11	1		3					
*14:12	1	2						8
*14:13			3					
*14:14	1	2						8
*14:15	1		3					
*14:16, 14:23 ⁶	1		3					
*14:17	1		3			6		
*14:18	1		3					
Well No.	1	2	3	4	5	6	7	8
Length of spec.	265	185	210	85	135	95	260	250

PCR product(s)				270	220	175		
Well No.	1	2	3	4	5	6	7	8
*14:19	1	2						8
*14:20			3	4				
*14:21	1							
*14:27	1		3					
*14:28	1							
*07:02:01-07:02:15, 07:02:17-07:02:31, 07:02:33-07:05:04, 07:05:06-07:15, 07:17-07:18:02, 07:20-07:26, 07:28, 07:30, 07:32-07:33, 07:35, 07:39-07:42, 07:44-07:49N, 07:51-07:64, 07:66-07:69, 07:73-07:74, 07:76-07:78, 07:80, 07:82-07:85, 07:87-07:90, 07:92-07:110, 07:112-07:114, 07:116-07:148, 07:150-07:176, 15:71, 15:175, 27:08, 27:12, 27:18, 27:26, 27:33, 27:40, 27:42, 27:44, 27:89, 35:50, 35:84, 35:197, 40:02:01-40:02:14, 40:02:16-40:06:06, 40:08-40:09, 40:11:01-40:11:02, 40:18, 40:20, 40:24, 40:26-40:27:02, 40:29, 40:35, 40:37, 40:40, 40:44, 40:50, 40:56, 40:64, 40:68, 40:70-40:71, 40:74-40:75, 40:78, 40:82-40:83, 40:85-40:86, 40:89-40:91, 40:93-40:95, 40:97-40:99, 40:103-40:105, 40:107, 40:111, 40:115, 40:119-40:120, 40:122, 40:127, 40:131, 40:133Q, 40:142N-40:145, 40:148, 40:159, 40:161-40:162, 40:165, 40:167, 40:169, 40:173, 40:176-40:177, 40:180-40:181, 40:189, 40:200, 40:202-40:203, 40:205-40:206, 40:209-40:211, 40:214, 40:220, 40:224-40:226, 44:131, 48:02:02, 56:35, 73:01-73:02, 81:01-81:06, C*03:137, C*12:82								8
*07:02:32, 39:33, 39:47, 39:50, 39:74		2						8
*07:16, 07:37, 07:50, 07:75, 07:91, 15:68, 18:10, 18:21, 18:35, 18:56, 18:58, 35:162, 40:149, 48:01:01-48:02:01, 48:02:03-48:06, 48:08-48:17, 48:19-48:21, 48:23-48:28								8
Well No.	1	2	3	4	5	6	7	8
Length of spec.	265	185	210	85	135	95	260	250
PCR product(s)				270	220	175		
Well No.	1	2	3	4	5	6	7	8

[illegible]

*07:27, 07:38, 15:03:01-15:03:03, 15:29, 15:47:01-15:47:02, 15:49, 15:54, 15:62, 15:64:01-15:64:02, 15:74, 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, 15:242, 15:251, 15:253, 35:25, 35:124-35:125, 35:142, 37:01:05, 37:02, 37:07, 37:26, 40:12, 44:130, 44:156, 48:18, 48:22, 49:25, 57:58, 58:12								
*07:115						6		8
*08:01:01-08:02, 08:04-08:05, 08:07-08:10, 08:12:01-08:20, 08:22, 08:24, 08:26-08:39, 08:41-08:53:02, 08:55-08:68, 08:70-08:78, 08:80-08:93, 08:95-08:105, 13:06, 13:46, 13:53, 15:42, 15:50, 15:83, 15:86, 15:121, 15:188, 15:199, 15:218Q, 15:224, 27:15, 27:28, 27:62, 27:71, 35:35, 35:60, 35:87, 35:93, 35:213, 37:22, 39:12, 39:63, 39:72, 40:199, 41:01-41:16, 41:20-41:21, 41:23- 41:25, 44:04, 44:56N, 44:132, 44:163, 45:08, 46:03, 46:18, 46:21:01-46:21:02, 46:29, 47:08, 51:36, 51:143, 54:01:01-54:01:03, 54:04-54:05N, 54:07-54:25, 54:27-54:28, 55:01:01-55:05, 55:07, 55:11-55:21, 55:23, 55:25-55:50, 55:52-55:57, 56:10, 56:12, 56:18, 56:23, 56:32, 57:26, 58:05, 58:20, 58:35, 59:01:01:01-59:03, 59:05								
*08:03, 08:23, 08:54, 15:69, 37:01:01- 37:01:04, 37:01:06-37:01:09, 37:03N, 37:06, 37:08-37:10, 37:12-37:21, 37:23-37:25, 37:27- 37:36, 38:02:03, 38:04, 38:06, 38:25, 41:22								
*08:69, 39:76, 41:18						6		
Well No.	1	2	3	4	5	6	7	8
Length of spec.	265	185	210	85	135	95	260	250
PCR product(s)				270	220	175		
Well No.	1	2	3	4	5	6	7	8

*13:15, 13:62, 51:01:01-51:01:18, 51:01:20-51:01:30, 51:01:32-51:01:38, 51:03, 51:07:01-51:09:02, 51:11N-51:14, 51:16, 51:19-51:20, 51:24:01-51:24:04, 51:26-51:28, 51:30-51:33, 51:35, 51:38-51:39, 51:41N, 51:43-51:44N, 51:48-51:53, 51:55, 51:57-51:58, 51:60-51:61:02, 51:63-51:80, 51:83-51:84, 51:86-51:89, 51:91, 51:95-51:100, 51:102-51:107, 51:109-51:115, 51:117-51:134, 51:136-51:138, 51:140-51:142, 51:145, 51:147, 52:01:01:01-52:01:10, 52:01:12-52:02, 52:04-52:10:02, 52:13-52:15, 52:17-52:23, 52:25, 52:28-52:31, 56:05:01-56:06, 56:21, 56:34, 58:08:01-58:08:02, 78:01:01-78:02:02, 78:05-78:06								
*15:09-15:10:02, 15:18:01-15:18:05, 15:23, 15:51-15:52, 15:72, 15:80, 15:90, 15:99, 15:108, 15:114-15:115, 15:119, 15:124, 15:133-15:134, 15:153, 15:161, 15:176, 15:197-15:198, 15:200, 15:221, 15:226N, 15:229, 15:238, 15:243, 15:263			3					
*15:21, 15:66, 35:82, 35:85, 35:135, 56:33			3					
*15:37			3				7	
*15:38:01-15:38:02, 15:185, 51:45, 51:135							7	
*15:44			3					
*15:93, 15:186, 15:252, 38:05			3					
*15:189, 35:26			3					
*18:01:01:01-18:01:01:02, 18:01:03-18:01:12, 18:01:14-18:01:15, 18:01:17-18:01:18, 18:05-18:08, 18:12, 18:15, 18:17N-18:20, 18:23N-18:24, 18:28, 18:31-18:34, 18:37-18:38, 18:40-18:43, 18:45-18:49, 18:51-18:53, 18:55, 18:59-18:60, 18:62-18:66, 18:71-18:79, 18:81-18:83							7	8
*18:01:02, 18:03, 18:29, 18:80							7	8
*18:01:13, 18:09, 18:25, 18:54, 18:67-18:68, 18:70							7	
*18:01:16, 18:02, 18:11, 18:14, 18:27, 18:39, 37:05, 37:11, 39:13:01-39:13:02, 39:20, 39:49, 42:11								8
Well No.	1	2	3	4	5	6	7	8
Length of spec.	265	185	210	85	135	95	260	250
PCR product(s)				270	220	175		
Well No.	1	2	3	4	5	6	7	8
*18:04, 56:31							7	
*18:13, 18:30				4			7	8

*18:22, 18:69								8
*18:26, 18:61							7	8
*18:36, 18:50, 18:57							7	8
*18:44:01-18:44:02	1							8
*35:21, 35:24:01-35:24:02, 35:81, 35:109, 53:02, 53:06, 53:28, 57:14, 58:09, C*15:39								
*35:96, 35:157, 35:188, 35:190								
*37:04:01-37:04:02								
*38:01:01-38:02:02, 38:02:04, 38:07, 38:09- 38:12, 38:15, 38:17-38:18, 38:20-38:21, 38:23- 38:24, 38:27, 38:29, 38:31-38:32, 38:34N- 38:40, 38:42		2						
*38:03, 38:13-38:14, 38:16, 38:26, 38:28, 38:41, 39:01:15		2						
*38:08, 38:22, 38:30		2						
*38:19		2				6		
*38:33			3					
*39:01:01:01-39:01:01:03, 39:01:03-39:01:08, 39:01:10-39:01:14, 39:02:01, 39:06:01- 39:06:02, 39:09, 39:14-39:15, 39:18, 39:19:02, 39:22, 39:25N-39:31, 39:34-39:36, 39:38Q-39:39:01, 39:41-39:42, 39:44, 39:46, 39:51-39:54, 39:57-39:62, 39:64-39:71, 39:73, 39:75, 39:77, 39:79, 67:01:01, 67:03		2						8
*39:03, 39:24:01-39:24:02		2				6		8
*39:04			3					
*39:05:01-39:05:02, 39:07-39:08, 39:11, 39:55-39:56		2						8
*39:32		2					7	8
*39:37		2				6		8
*39:40:01N-39:40:02N		2				5		8
*39:48		2					7	8
*40:28								8
*40:51, 40:163							7	
*40:113, 51:06:01-51:06:02, 51:62							7	
Well No.	1	2	3	4	5	6	7	8
Length of spec.	265	185	210	85	135	95	260	250
PCR product(s)				270	220	175		
Well No.	1	2	3	4	5	6	7	8
*40:174								8
*42:06						6		8
*48:07						6		8
*51:04, 51:46, 51:56:01-51:56:02, 51:139								
*51:21, 51:101, 78:07								

*51:22, 78:03			3					
*51:29, 51:82, 52:24				4				
*51:116, 52:16, 52:27								
*57:11, 58:02, 58:06-58:07, 58:25, 58:38, C*01:35, C*03:17,C*03:71, C*14:20								
C*01:30	1			4				
C*07:102								w
C*08:08						6		
C*08:51				4			7	
C*12:87	1							
C*15:55								
HLA-B allele								
Well No.	1	2	3	4	5	6	7	8

INTERPRETATION TABLE								
HLA-B*14 SSP subtyping								
Amplification patterns of the B*14:01 to B*14:33 alleles								
Well ⁷								
9	10	11	12	13	14	15	16	
160	180	135	230	210	190	100	90	Length of spec.
						270	175	PCR product(s)
1070	1070	1070	1070	1070	1070	800	1070	Length of int.
								pos. control ¹
361	106	560	361	412	142	103	361	5'-primer(s) ²
5' -AgT 3'	5' -CCA 3'	5' -CAC 3'	5' -AgT 3'	5' -ATA 3'	5' -TCT 3'	5' -CCg 3'	5' -AgT 3'	
						355		
						5' -TCA 3'		
479	246	3rd I	541	583	292	164	409	3'-primer(s) ³
5' -CCC 3'	5' -TAT 3'	5' -TAT 3'	5' -TCC 3'	5' -gTg 3'	5' -gTA 3'	5' -gCA 3'	5' -ATg 3'	
			559		292	583	494	
			5' -CAg 3'		5' -gTA 3'	5' -gTg 3'	5' -TCC 3'	
					292			
					5' -gTA 3'			
9	10	11	12	13	14	15	16	Well No.
								HLA-B allele ⁴
		11						*14:01:01-14:01:02, 14:26, 14:32
		11						*14:02:01-14:02:07, 14:22, 14:24-14:25, 14:29-14:31, 14:33
		11						*14:03
		11						*14:04
		11						*14:05
		11						*14:06:01-14:06:02
		11						*14:07N
		11						*14:08, 39:43 ⁵
9		11						*14:09
		11				15		*14:10
	10	11						*14:11
		11	12					*14:12
		11		13				*14:13
		11			14			*14:14
		11				15		*14:15
		11					16	*14:16, 14:23 ⁶
		11						*14:17
		11			14			*14:18
9	10	11	12	13	14	15	16	Well No.
160	180	135	230	210	190	100	90	Length of spec.

						270	175	PCR product(s)
9	10	11	12	13	14	15	16	Well No.
			12					*14:19
		11						*14:20
		11						*14:21
			12					*14:27
	10	11						*14:28
								*07:02:01-07:02:15, 07:02:17-07:02:31, 07:02:33-07:05:04, 07:05:06-07:15, 07:17- 07:18:02, 07:20-07:26, 07:28, 07:30, 07:32- 07:33, 07:35, 07:39-07:42, 07:44-07:49N, 07:51-07:64, 07:66-07:69, 07:73-07:74, 07:76- 07:78, 07:80, 07:82-07:85, 07:87-07:90, 07:92- 07:110, 07:112-07:114, 07:116-07:148, 07:150-07:176, 15:71, 15:175, 27:08, 27:12, 27:18, 27:26, 27:33, 27:40, 27:42, 27:44, 27:89, 35:50, 35:84, 35:197, 40:02:01- 40:02:14, 40:02:16-40:06:06, 40:08-40:09, 40:11:01-40:11:02, 40:18, 40:20, 40:24, 40:26- 40:27:02, 40:29, 40:35, 40:37, 40:40, 40:44, 40:50, 40:56, 40:64, 40:68, 40:70-40:71, 40:74-40:75, 40:78, 40:82-40:83, 40:85-40:86, 40:89-40:91, 40:93-40:95, 40:97-40:99, 40:103-40:105, 40:107, 40:111, 40:115, 40:119-40:120, 40:122, 40:127, 40:131, 40:133Q, 40:142N-40:145, 40:148, 40:159, 40:161-40:162, 40:165, 40:167, 40:169, 40:173, 40:176-40:177, 40:180-40:181, 40:189, 40:200, 40:202-40:203, 40:205- 40:206, 40:209-40:211, 40:214, 40:220, 40:224-40:226, 44:131, 48:02:02, 56:35, 73:01-73:02, 81:01-81:06, C*03:137, C*12:82
								*07:02:32, 39:33, 39:47, 39:50, 39:74
					14			*07:16, 07:37, 07:50, 07:75, 07:91, 15:68, 18:10, 18:21, 18:35, 18:56, 18:58, 35:162, 40:149, 48:01:01-48:02:01, 48:02:03-48:06, 48:08-48:17, 48:19-48:21, 48:23-48:28
9	10	11	12	13	14	15	16	Well No.
160	180	135	230	210	190	100	90	Length of spec.
						270	175	PCR product(s)
9	10	11	12	13	14	15	16	Well No.

		11						*07:19, 07:31, 07:34, 07:43, 08:94, 37:37, 39:01:09, 39:02:02, 39:10:01-39:10:02, 39:16- 39:17, 39:19:01, 39:23, 39:39:02, 39:45, 39:78, 40:39, 40:184, 42:01:01-42:02, 42:04- 42:05:02, 42:07-42:10, 42:12-42:17, 54:02, 55:10, 67:01:02-67:02
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					14			*07:27, 07:38, 15:03:01-15:03:03, 15:29, 15:47:01-15:47:02, 15:49, 15:54, 15:62, 15:64:01-15:64:02, 15:74, 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, 15:242, 15:251, 15:253, 35:25, 35:124-35:125, 35:142, 37:01:05, 37:02, 37:07, 37:26, 40:12, 44:130, 44:156, 48:18, 48:22, 49:25, 57:58, 58:12
								*07:115
		11						*08:01:01-08:02, 08:04-08:05, 08:07-08:10, 08:12:01-08:20, 08:22, 08:24, 08:26-08:39, 08:41-08:53:02, 08:55-08:68, 08:70-08:78, 08:80-08:93, 08:95-08:105, 13:06, 13:46, 13:53, 15:42, 15:50, 15:83, 15:86, 15:121, 15:188, 15:199, 15:218Q, 15:224, 27:15, 27:28, 27:62, 27:71, 35:35, 35:60, 35:87, 35:93, 35:213, 37:22, 39:12, 39:63, 39:72, 40:199, 41:01-41:16, 41:20-41:21, 41:23-41:25, 44:04, 44:56N, 44:132, 44:163, 45:08, 46:03, 46:18, 46:21:01-46:21:02, 46:29, 47:08, 51:36, 51:143, 54:01:01-54:01:03, 54:04-54:05N, 54:07-54:25, 54:27-54:28, 55:01:01-55:05, 55:07, 55:11-55:21, 55:23, 55:25-55:50, 55:52-55:57, 56:10, 56:12, 56:18, 56:23, 56:32, 57:26, 58:05, 58:20, 58:35, 59:01:01-59:03, 59:05
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		11						*08:69, 39:76, 41:18
9	10	11	12	13	14	15	16	Well No.
160	180	135	230	210	190	100	90	Length of spec.
						270	175	PCR product(s)
9	10	11	12	13	14	15	16	Well No.

				13				*13:15, 13:62, 51:01:01-51:01:18, 51:01:20-51:01:30, 51:01:32-51:01:38, 51:03, 51:07:01-51:09:02, 51:11N-51:14, 51:16, 51:19-51:20, 51:24:01-51:24:04, 51:26-51:28, 51:30-51:33, 51:35, 51:38-51:39, 51:41N, 51:43-51:44N, 51:48-51:53, 51:55, 51:57-51:58, 51:60-51:61:02, 51:63-51:80, 51:83-51:84, 51:86-51:89, 51:91, 51:95-51:100, 51:102-51:107, 51:109-51:115, 51:117-51:134, 51:136-51:138, 51:140-51:142, 51:145, 51:147, 52:01:01:01-52:01:10, 52:01:12-52:02, 52:04-52:10:02, 52:13-52:15, 52:17-52:23, 52:25, 52:28-52:31, 56:05:01-56:06, 56:21, 56:34, 58:08:01-58:08:02, 78:01:01-78:02:02, 78:05-78:06
					14			*15:09-15:10:02, 15:18:01-15:18:05, 15:23, 15:51-15:52, 15:72, 15:80, 15:90, 15:99, 15:108, 15:114-15:115, 15:119, 15:124, 15:133-15:134, 15:153, 15:161, 15:176, 15:197-15:198, 15:200, 15:221, 15:226N, 15:229, 15:238, 15:243, 15:263
								*15:21, 15:66, 35:82, 35:85, 35:135, 56:33
					14			*15:37
								*15:38:01-15:38:02, 15:185, 51:45, 51:135
		11						*15:44
		11			14			*15:93, 15:186, 15:252, 38:05
	10							*15:189, 35:26
		11			14			*18:01:01:01-18:01:01:02, 18:01:03-18:01:12, 18:01:14-18:01:15, 18:01:17-18:01:18, 18:05-18:08, 18:12, 18:15, 18:17N-18:20, 18:23N-18:24, 18:28, 18:31-18:34, 18:37-18:38, 18:40-18:43, 18:45-18:49, 18:51-18:53, 18:55, 18:59-18:60, 18:62-18:66, 18:71-18:79, 18:81-18:83
		11						*18:01:02, 18:03, 18:29, 18:80
		11			14			*18:01:13, 18:09, 18:25, 18:54, 18:67-18:68, 18:70
		11			14			*18:01:16, 18:02, 18:11, 18:14, 18:27, 18:39, 37:05, 37:11, 39:13:01-39:13:02, 39:20, 39:49, 42:11
9	10	11	12	13	14	15	16	Well No.
160	180	135	230	210	190	100	90	Length of spec.
						270	175	PCR product(s)
9	10	11	12	13	14	15	16	Well No.
		11						*18:04, 56:31
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		11			14			*38:01:01-38:02:02, 38:02:04, 38:07, 38:09- 38:12, 38:15, 38:17-38:18, 38:20-38:21, 38:23- 38:24, 38:27, 38:29, 38:31-38:32, 38:34N- 38:40, 38:42
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					14			*38:08, 38:22, 38:30
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9	10	11	12	13	14	15	16	Well No.
160	180	135	230	210	190	100	90	Length of spec.
						270	175	PCR product(s)
9	10	11	12	13	14	15	16	Well No.
				13				*40:174
		11						*42:06
					14			*48:07
				13		15		*51:04, 51:46, 51:56:01-51:56:02, 51:139
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								C*07:102
								C*08:08
								C*08:51
								C*12:87
							16	C*15:55
								HLA-B allele
9	10	11	12	13	14	15	16	Well No.