

INTERPRETATION TABLE								
HLA-B*52 SSP subtyping								
Amplification patterns of the B*52:01 to B*52:21 alleles								
	Well ⁵							
	1	2	3	4	5	6	7	8
Length of spec.	95	135	95	140	145	135	225	145
PCR product(s)		235			190	180		
Length of int.								
pos. control ¹	800	1070	1070	1070	1070	1070	800	1070
5'-primer ²	527	106	206	209	435	435	134	206
	5'-TgA 3'	5'-CCA 3'	5'-gAC 3'	5'-ggC 3'	5'-AAA 3'	5'-AAA 3'	5'-CCC 3'	5'-gAC 3'
3'-primer ³	583	200	259	309	538	527	317	309
	5'-gTg 3'	5'-TCT 3'	5'-CTC 3'	5'-ATC 3'	5'-CCA 3'	5'-CCA 3'	5'-ggA 3'	5'-gTg 3'
		302			583	527		
		5'-ggC 3'			5'-gTA 3'	5'-CCA 3'		
						572		
						5'-gCg 3'		
Well No.	1	2	3	4	5	6	7	8
HLA-B allele								
*52:01:01-52:01:05	1		3					
*52:02	1			4				
*52:03			3		5	6		
*52:04, 52:09 ⁴	1	2	3					
*52:05	1		3				7	
*52:06:01	1		3					
*52:06:02	1		3					
*52:07	1		3					
*52:08	1		3					
*52:10			3			6		
*52:11			3		5			
*52:12	1		3					
Well No.	1	2	3	4	5	6	7	8
Length of spec.	95	135	95	140	145	135	225	145
PCR product(s)		235			190	180		

Well No.	1	2	3	4	5	6	7	8
*52:13	1		3					
*52:14	1		3					
*52:15	1		3			6		
*52:16	1							
*52:17	1		3					
*52:18	1							
*52:19			3					
*52:20	1		3					8
*52:21	1		3		5			
*07:02:01-07:02:10, 07:02:12-07:05:02, 07:05:04-07:26, 07:28-07:37, 07:39-07:49N, 07:51-07:57, 07:59-07:77, 07:79-07:83, 07:85-07:115, 08:01:01-08:01:12, 08:05, 08:07-08:08N, 08:10-08:16, 08:18-08:51, 08:53, 08:55-08:62, 13:07N, 13:36, 13:39, 15:01:01:01-15:01:01:02N, 15:01:03-15:01:04, 15:01:06-15:02:04, 15:05:01-15:08, 15:10:01-15:12, 15:14-15:15, 15:18:01-15:19, 15:21, 15:23, 15:25:01-15:35, 15:39-15:40, 15:42, 15:44-15:46, 15:48-15:53, 15:55-15:58, 15:60, 15:63, 15:65-15:66, 15:70-15:82, 15:84-15:86, 15:88-15:90, 15:92-15:94N, 15:96-15:97, 15:99, 15:101, 15:104-15:122, 15:124-15:126, 15:128-15:129, 15:133-15:136, 15:138-15:150, 15:152-15:154, 15:159-15:161, 15:163-15:167, 15:169-15:172, 15:174-15:176, 15:178-15:195, 15:197-15:201, 18:04, 18:07:01-18:07:02, 18:29, 27:01-27:04:02, 27:05:02-27:21, 27:24-27:28, 27:30-27:69, 35:31, 35:43:01-35:43:02, 35:57, 35:60, 35:79, 35:87, 38:01:01-38:02:02, 38:04-38:05, 38:08-38:23, 39:01:01:01-39:01:01:02L, 39:01:03-39:01:11, 39:03-39:05:02, 39:07, 39:09-39:12, 39:14-39:20, 39:22, 39:24-39:28, 39:30-39:32, 39:35-39:38Q, 39:40N-39:45, 39:47-39:48, 39:51-39:56, 39:58-39:60, 40:01:01-40:01:05, 40:01:07-40:05, 40:07-40:11:02, 40:14:01-40:16, 40:18, 40:20-40:25, 40:27, 40:29-40:40, 40:42-40:43, 40:45-40:46, 40:48-40:50, 40:52, 40:54-40:69, 40:71-40:74, 40:76-40:82, 40:84-40:85, 40:87-40:92, 40:94, 40:97-40:102, 40:104-40:108, 40:111-40:116, 40:118N-40:126, 40:128-40:130, 40:132-40:147, 41:01-41:12, 42:01:01-42:02, 42:05:01-42:10, 42:12-42:14, 44:09, 44:12-44:13, 44:46, 44:67, 44:69, 44:75, 44:90, 44:97, 45:01, 45:03-45:08, 45:11-45:12, 46:01:01-46:24, 47:02, 48:06, 50:01:01-50:02, 50:04-50:08, 54:01-54:13, 54:16-54:23, 55:01:01-55:01:03, 55:01:05-55:05, 55:07-55:08, 55:10-55:12, 55:14-55:19, 55:21, 55:25-55:26, 55:28-55:43, 56:01:01-56:04, 56:07-56:12, 56:14-56:20, 56:23-56:29, 57:12, 57:16, 58:11, 58:20, 67:01:01-67:02, 81:01-81:02, 81:04N-81:05, 82:01-82:03								
*07:02:11, 07:05:03, 15:01:02, 15:09, 27:04:03, 40:26, 55:01:04					5			
Well No.	1	2	3	4	5	6	7	8

Length of spec.	95	135	95	140	145	135	225	145
PCR product(s)		235			190	180		
Well No.	1	2	3	4	5	6	7	8
*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:04, 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, 15:155-15:156, 15:158, 15:173, 18:01:01-18:03, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:14, 18:17N-18:18, 18:20-18:28, 18:31-18:50, 37:08, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:29, 39:39, 39:49, 40:12, 42:11, 45:09, 48:01:01-48:01:03, 48:03:01-48:05, 48:07-48:17, 48:19-48:23, 54:14-54:15, 55:23, 55:27								
*07:38, 08:02-08:03, 27:23, 38:06-38:07, 40:13, 44:06, 51:42, 59:01-59:02, 59:04-59:05								
*07:78, 13:09, 13:19, 40:06:01:01-40:06:03, 40:53, 40:70, 40:75, 40:83, 40:93, 40:103, 40:127, 40:131, 45:10, 55:09, 55:22, 55:24								
*07:84, 40:44								
*08:09, 15:83, 42:04, 55:20, 56:13								
*08:52		2						
*13:01:01-13:01:05, 13:03, 13:06, 13:10-13:13, 13:17, 13:20-13:23, 13:25-13:26, 13:28-13:29, 15:36, 15:43, 27:29, 40:19, 40:47, 40:117, 44:02:01:01-44:05:02, 44:07-44:08, 44:10-44:11, 44:14-44:19N, 44:21-44:45, 44:48-44:61N, 44:63-44:65, 44:68, 44:70-44:74, 44:76-44:82, 44:84-44:89, 44:91-44:96, 44:98-44:99, 44:101-44:110, 47:01:01:01-47:01:01:02, 47:03-47:07, 49:01:01-49:02, 49:06, 49:08, 49:10								
*13:02:01-13:02:09, 13:08Q, 13:14-13:16, 13:18, 13:27, 13:30-13:34, 13:37-13:38, 40:96, 40:109-40:110, 49:07								
*13:04, 37:01:06, 37:06, 38:03, 44:47, 44:100, 48:18, 49:04-49:05								
*13:35								
*14:01-14:18, 15:37-15:38:02, 40:28, 40:51, 56:06	1							
*15:13, 15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 57:01:01-57:11, 57:13-57:15, 57:17-57:32				4				
*15:16, 15:67, 15:95				4				
Well No.	1	2	3	4	5	6	7	8
Length of spec.	95	135	95	140	145	135	225	145
PCR product(s)		235			190	180		
Well No.	1	2	3	4	5	6	7	8

*15:20, 35:01:01:01-35:01:07, 35:01:09, 35:01:11-35:01:14, 35:01:16-35:04:01, 35:04:03-35:09:02, 35:11:01-35:12:02, 35:14:01-35:15, 35:17-35:20:02, 35:22-35:27, 35:29-35:30, 35:32-35:34, 35:36, 35:38-35:42:02, 35:44-35:45, 35:47-35:56, 35:58-35:59, 35:61-35:68:02, 35:70-35:72, 35:74-35:78, 35:81-35:86, 35:88-35:95, 35:97, 35:99-35:145N, 58:01:01-58:01:02, 58:01:04-58:02, 58:04-58:07, 58:09-58:10N, 58:12-58:19, 58:21-58:30, 81:03								
*15:24, 15:157				4				
*15:87		2		4				
*15:137, 39:06:01-39:06:02, 39:33-39:34, 39:57, 45:02, 50:09, 55:13, 56:22								
*15:202			3					
*18:09								8
*18:12, 37:05, 37:11			3					
*18:15, 18:19, 18:30	1							
*35:01:08, 35:01:15								
*35:01:10, 35:04:02, 78:04					5	6		
*35:10, 35:13, 35:16, 35:28, 35:69, 35:80			3					
*35:21, 51:01:17, 51:07:01-51:07:02, 51:22, 56:05:01-56:05:02, 56:21, 58:08, 78:01-78:03, 78:07	1							
*35:35, 35:46, 35:98, 48:02:02, 58:01:03								
*35:37, 48:02:01								
*35:96	1							
*37:01:01-37:01:05, 37:01:07-37:04:02, 37:07, 37:09, 37:12-37:20, 37:23			3					
*37:10			3					8
*37:21			3					
*37:22, 49:03			3					
*39:50, 40:86								
*40:01:06					5	6		
*40:95					5			
*44:20								
*44:62					5	w		
*44:66								
*44:83			3					8
*49:09	1							
*51:01:01-51:01:16, 51:03-51:04, 51:06, 51:11N-51:12, 51:14, 51:17-51:18, 51:21, 51:24:01-51:24:03, 51:26-51:30, 51:32-51:33, 51:35, 51:38-51:39, 51:41N, 51:43, 51:45-51:46, 51:48-51:52, 51:55-51:58, 51:60, 51:62-51:72, 51:74-51:77, 51:79-51:80, 51:83-51:89, 51:91, 51:94-51:96, 53:06	1							
Well No.	1	2	3	4	5	6	7	8
Length of spec.	95	135	95	140	145	135	225	145
PCR product(s)		235			190	180		
Well No.	1	2	3	4	5	6	7	8

*51:02:01-51:02:03, 51:59					5			
*51:02:04, 51:15, 51:53, 51:81, 53:01:01-53:04, 53:07-53:08:02, 53:10, 53:14-53:15, 53:18-53:23								
*51:05, 51:23					5	w		
*51:08, 51:20, 51:44N								
*51:09:01-51:09:02, 51:19, 51:73						6		
*51:10								
*51:13:01-51:13:02	1							
*51:16, 51:82	1							
*51:31						6		
*51:34					5			
*51:36					5			
*51:37, 51:90	1							
*51:40					5	6		
*51:54					5	w		8
*51:61	1				5			
*51:78	1							8
*51:92	1							
*51:93					5	6		
*53:05, 53:16		2						
*53:09								8
*53:11-53:13								8
*53:17			3					
*59:03								
*73:01-73:02								
*78:05-78:06	1		3					
*83:01								
C*01:30	1							
HLA-B allele								
Well No.	1	2	3	4	5	6	7	8

INTERPRETATION TABLE								
HLA-B*52 SSP subtyping								
Amplification patterns of the B*52:01 to B*52:21 alleles								
Well ⁵								
9	10	11	12	13	14	15	16	
100	95	85	85	165	165	95	160	Length of spec.
	245	225				170	215	PCR product(s)
800	1070	1070	1070	800	1070	800	1070	Length of int.
								pos. control ¹
213	206	133	272	652	652	142	86	5'-primer ²
5'-CCg 3'	5'-gAC 3'	5'-CCA 3'	5'-CTC 3'	5'-CCg 3'	5'-CCA 3'	5'-TCT 3'	5'-CAA 3'	
357	357	272				357	362	
5'-Tgg 3'	5'-Tgg 3'	5'-CTT 3'				5'-Tgg 3'	5'-gAC 3'	
272	262	317	317	774	774	272	206	3'-primer ³
5'-TgA 3'	5'-TgC 3'	5'-ggA 3'	5'-ggA 3'	5'-ggT 3'	5'-ggT 3'	5'-Tgg 3'	5'-CCg 3'	
419	559					412	538	
5'-CgA 3'	5'-CTC 3'					5'-gTC 3'	5'-gTC 3'	
9	10	11	12	13	14	15	16	Well No.
								HLA-B allele
			12	13				*52:01:01-52:01:05
			12	13				*52:02
			12	13				*52:03
			12	13				*52:04, 52:09 ⁴
			12	13				*52:05
9		11		13				*52:06:01
		11		13				*52:06:02
			12		14			*52:07
	10		12	13				*52:08
			12	13				*52:10
			12	13				*52:11
			12	13		15		*52:12
9	10	11	12	13	14	15	16	Well No.
100	95	85	85	165	165	95	160	Length of spec.
	245	225				170	215	PCR product(s)

9	10	11	12	13	14	15	16	Well No.
			12	13			16	*52:13
9			12	13				*52:14
			12	13				*52:15
			12	13		15		*52:16
		11	12	13				*52:17
	10			13				*52:18
			12	13			16	*52:19
			12	13				*52:20
			12	13				*52:21
					14			*07:02:01-07:02:10, 07:02:12-07:05:02, 07:05:04-07:26, 07:28-07:37, 07:39-07:49N, 07:51-07:57, 07:59-07:77, 07:79-07:83, 07:85-07:115, 08:01:01-08:01:12, 08:05, 08:07-08:08N, 08:10-08:16, 08:18-08:51, 08:53, 08:55-08:62, 13:07N, 13:36, 13:39, 15:01:01:01-15:01:01:02N, 15:01:03- 15:01:04, 15:01:06-15:02:04, 15:05:01-15:08, 15:10:01-15:12, 15:14-15:15, 15:18:01-15:19, 15:21, 15:23, 15:25:01-15:35, 15:39-15:40, 15:42, 15:44- 15:46, 15:48-15:53, 15:55-15:58, 15:60, 15:63, 15:65-15:66, 15:70-15:82, 15:84-15:86, 15:88-15:90, 15:92-15:94N, 15:96-15:97, 15:99, 15:101, 15:104-15:122, 15:124-15:126, 15:128-15:129, 15:133-15:136, 15:138- 15:150, 15:152-15:154, 15:159-15:161, 15:163-15:167, 15:169-15:172, 15:174-15:176, 15:178-15:195, 15:197-15:201, 18:04, 18:07:01-18:07:02, 18:29, 27:01-27:04:02, 27:05:02-27:21, 27:24-27:28, 27:30-27:69, 35:31, 35:43:01-35:43:02, 35:57, 35:60, 35:79, 35:87, 38:01:01-38:02:02, 38:04- 38:05, 38:08-38:23, 39:01:01:01-39:01:01:02L, 39:01:03-39:01:11, 39:03- 39:05:02, 39:07, 39:09-39:12, 39:14-39:20, 39:22, 39:24-39:28, 39:30- 39:32, 39:35-39:38Q, 39:40N-39:45, 39:47-39:48, 39:51-39:56, 39:58- 39:60, 40:01:01-40:01:05, 40:01:07-40:05, 40:07-40:11:02, 40:14:01-40:16, 40:18, 40:20-40:25, 40:27, 40:29-40:40, 40:42-40:43, 40:45-40:46, 40:48- 40:50, 40:52, 40:54-40:69, 40:71-40:74, 40:76-40:82, 40:84-40:85, 40:87- 40:92, 40:94, 40:97-40:102, 40:104-40:108, 40:111-40:116, 40:118N- 40:126, 40:128-40:130, 40:132-40:147, 41:01-41:12, 42:01:01-42:02, 42:05:01-42:10, 42:12-42:14, 44:09, 44:12-44:13, 44:46, 44:67, 44:69, 44:75, 44:90, 44:97, 45:01, 45:03-45:08, 45:11-45:12, 46:01:01-46:24, 47:02, 48:06, 50:01:01-50:02, 50:04-50:08, 54:01-54:13, 54:16-54:23, 55:01:01-55:01:03, 55:01:05-55:05, 55:07-55:08, 55:10-55:12, 55:14-55:19, 55:21, 55:25-55:26, 55:28-55:43, 56:01:01-56:04, 56:07-56:12, 56:14- 56:20, 56:23-56:29, 57:12, 57:16, 58:11, 58:20, 67:01:01-67:02, 81:01- 81:02, 81:04N-81:05, 82:01-82:03
					14			*07:02:11, 07:05:03, 15:01:02, 15:09, 27:04:03, 40:26, 55:01:04
9	10	11	12	13	14	15	16	Well No.

100	95	85	85	165	165	95	160	Length of spec.
	245	225				170	215	PCR product(s)
9	10	11	12	13	14	15	16	Well No.
					14	15		*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:04, 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, 15:155-15:156, 15:158, 15:173, 18:01:01-18:03, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:14, 18:17N-18:18, 18:20-18:28, 18:31-18:50, 37:08, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:29, 39:39, 39:49, 40:12, 42:11, 45:09, 48:01:01-48:01:03, 48:03:01-48:05, 48:07-48:17, 48:19-48:23, 54:14-54:15, 55:23, 55:27
		11			14			*07:38, 08:02-08:03, 27:23, 38:06-38:07, 40:13, 44:06, 51:42, 59:01-59:02, 59:04-59:05
	10				14			*07:78, 13:09, 13:19, 40:06:01:01-40:06:03, 40:53, 40:70, 40:75, 40:83, 40:93, 40:103, 40:127, 40:131, 45:10, 55:09, 55:22, 55:24
	10				14	15		*07:84, 40:44
					14		16	*08:09, 15:83, 42:04, 55:20, 56:13
		11			14			*08:52
			12		14			*13:01:01-13:01:05, 13:03, 13:06, 13:10-13:13, 13:17, 13:20-13:23, 13:25-13:26, 13:28-13:29, 15:36, 15:43, 27:29, 40:19, 40:47, 40:117, 44:02:01:01-44:05:02, 44:07-44:08, 44:10-44:11, 44:14-44:19N, 44:21-44:45, 44:48-44:61N, 44:63-44:65, 44:68, 44:70-44:74, 44:76-44:82, 44:84-44:89, 44:91-44:96, 44:98-44:99, 44:101-44:110, 47:01:01:01-47:01:01:02, 47:03-47:07, 49:01:01-49:02, 49:06, 49:08, 49:10
	10		12		14			*13:02:01-13:02:09, 13:08Q, 13:14-13:16, 13:18, 13:27, 13:30-13:34, 13:37-13:38, 40:96, 40:109-40:110, 49:07
			12		14	15		*13:04, 37:01:06, 37:06, 38:03, 44:47, 44:100, 48:18, 49:04-49:05
	10		12		14	15		*13:35
					14			*14:01-14:18, 15:37-15:38:02, 40:28, 40:51, 56:06
					14			*15:13, 15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 57:01:01-57:11, 57:13-57:15, 57:17-57:32
					14	15		*15:16, 15:67, 15:95
9	10	11	12	13	14	15	16	Well No.
100	95	85	85	165	165	95	160	Length of spec.
	245	225				170	215	PCR product(s)
9	10	11	12	13	14	15	16	Well No.

				13				*15:20, 35:01:01-35:01:07, 35:01:09, 35:01:11-35:01:14, 35:01:16-35:04:01, 35:04:03-35:09:02, 35:11:01-35:12:02, 35:14:01-35:15, 35:17-35:20:02, 35:22-35:27, 35:29-35:30, 35:32-35:34, 35:36, 35:38-35:42:02, 35:44-35:45, 35:47-35:56, 35:58-35:59, 35:61-35:68:02, 35:70-35:72, 35:74-35:78, 35:81-35:86, 35:88-35:95, 35:97, 35:99-35:145N, 58:01:01-58:01:02, 58:01:04-58:02, 58:04-58:07, 58:09-58:10N, 58:12-58:19, 58:21-58:30, 81:03
			12		14			*15:24, 15:157
			12		14			*15:87
9					14			*15:137, 39:06:01-39:06:02, 39:33-39:34, 39:57, 45:02, 50:09, 55:13, 56:22
					14			*15:202
					14	15		*18:09
					14	15		*18:12, 37:05, 37:11
					14	15		*18:15, 18:19, 18:30
9				13				*35:01:08, 35:01:15
				13				*35:01:10, 35:04:02, 78:04
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100	95	85	85	165	165	95	160	Length of spec.
	245	225				170	215	PCR product(s)
9	10	11	12	13	14	15	16	Well No.

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								C*01:30
								HLA-B allele
9	10	11	12	13	14	15	16	Well No.