

INTERPRETATION TABLE								
HLA-B*38 SSP subtyping								
Amplification patterns of the B*38:01 to 38:22 alleles								
	Well ⁶							
	1	2	3	4	5	6	7	8
Length of spec.	185	190	170	105	210	170	160	185
PCR product(s)							205	230
Length of int.	800	800	800	1070	1070	800	800	800
pos. control ¹								
5'-primer(s) ²	103	142	142	246	142	142	142	103
	5' -CCT 3'	5' -TCT 3'	5' -TCT 3'	5' -gAA 3'	5' -TCT 3'	5' -TCT 3'	5' -TCT 3'	5' -CCg 3'
							382	346
							5' -TgC 3'	5' -ggC 3'
								355
								5' -TCA 3'
								363
								5' -AAT 3'
3'-primer(s) ³	246	292	272	309	309	272	259	246
	5' -TAT 3'	5' -gTA 3'	5' -TgC 3'	5' -ATC 3'	5' -gTg 3'	5' -Tgg 3'	5' -CTC 3'	5' -TAT 3'
	246	292					544	544
	5' -TAT 3'	5' -gTA 3'					5' -ggT 3'	5' -ggT 3'
		292						
		5' -gTA 3'						
Well No.	1	2	3	4	5	6	7	8
HLA-B allele								
*38:01:01, 38:01:03-38:01:04	1	2	3	4				
*38:01:02	1	2	3	4				
*38:02:01-38:02:02	1	2	3		5			
*38:03	1				5	6	7	
*38:04		2	3		5		7	
*38:05		2	3	4				8
*38:06		2						
*38:07	1	2						
*38:08	1	2	3		5			
*38:09	1	2	3	4				
*38:10	1	2	3	4				
*38:11, 38:19 ⁴	1	2	3	4				
*38:12	1	2	3	4				
*38:13	1		3	4				
*38:14	1		3	4				
*38:15	1	2	3		5			8
*38:16	1			4				

Well No.	1	2	3	4	5	6	7	8
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Length of spec.	185	190	170	105	210	170	160	185
PCR product(s)							205	230
Well No.	1	2	3	4	5	6	7	8
*38:17, 39:37 ⁵	1	2	3					
*38:18	1	2	3		5			
*38:20	1	2	3	4				8
*38:21	1	2	3	4			7	
*38:22	1	2	3	4				8
*07:02:01-07:12, 07:14-07:15, 07:17-07:24, 07:26, 07:28-07:36, 07:39-07:47, 07:49N, 07:52-07:68, 07:70-07:74, 07:76-07:84, 07:86-07:90, 07:92-07:99, 08:06, 08:20, 08:53, 13:16, 13:20, 13:31, 15:01:01:01-15:01:04, 15:01:06-15:02:04, 15:04, 15:06-15:08, 15:11:01-15:17:02, 15:19, 15:21, 15:24-15:28, 15:30, 15:32-15:36, 15:38:01-15:40, 15:42-15:46, 15:50, 15:53, 15:56-15:58, 15:60, 15:63, 15:65-15:67, 15:70, 15:73, 15:76-15:79N, 15:81-15:82, 15:85, 15:87, 15:89, 15:92, 15:94N-15:97, 15:101-15:102, 15:104, 15:106, 15:109-15:110, 15:112-15:113, 15:116-15:118, 15:120-15:122, 15:125-15:126, 15:128-15:129, 15:135, 15:137-15:144, 15:146-15:150, 15:152, 15:154, 15:157, 15:159-15:160,								
15:163-15:172, 15:174, 15:177-15:178, 15:180-15:184, 15:187, 15:190N-15:191, 27:04:01-27:04:03, 27:06, 27:10, 27:15, 27:20-27:21, 27:24-27:25, 27:40, 27:54, 27:63, 35:11, 35:14:01-35:14:02, 35:21, 35:43-35:44, 35:58, 35:67, 35:79, 35:86, 35:96, 35:99, 40:15-40:16, 40:23, 40:32, 40:51, 44:76, 44:79, 46:01:01-46:05, 46:07N-46:08, 46:10, 46:12, 46:14-46:17, 46:20, 46:22, 49:01:01-49:02, 49:04-49:10, 50:01:01-50:02, 50:04-50:09, 51:78, 52:02, 52:20, 54:06, 54:20, 55:01:01-55:01:06, 55:03, 55:05, 55:09, 55:11, 55:14-55:15, 55:17, 55:21, 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 56:03, 56:05:01-56:06, 56:21, 56:25, 57:09, 57:13, 57:22, 78:01-78:03, 78:05-78:07								
Well No.	1	2	3	4	5	6	7	8

Length of spec.	185	190	170	105	210	170	160	185
PCR product(s)							205	230
Well No.	1	2	3	4	5	6	7	8
*07:13								
*07:16, 07:37-07:38, 07:75, 07:91		2						
*07:27		2				6		
*07:50, 18:15, 18:19, 18:21, 18:30		2				6		
*07:69, 07:85, 14:02:03			3					
*08:02					5			
*08:03, 08:23, 35:25		2						
*08:04, 18:01:02, 18:03						6		
*08:17						6	7	
*08:38							7	
*08:54, 15:91, 15:123, 15:151, 40:12, 48:22		2				6	7	
*08:55, 67:02								
*13:14, 18:29, 27:01, 27:23, 27:29, 27:44, 35:50, 35:84, 37:22, 40:02:01-40:04, 40:06:01:01-40:06:02, 40:08-40:09, 40:11, 40:13, 40:18-40:20, 40:24, 40:27, 40:29, 40:35, 40:37, 40:39-40:40, 40:44, 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, 40:93-40:94, 40:96-40:97, 40:99, 48:02:02, 57:10								
*14:01, 14:07N-14:08, 14:10, 14:12, 39:36	1		3					
*14:02:01-14:02:02, 14:02:04-14:03, 14:05-14:06:02, 14:09, 14:11, 14:13, 14:15-14:17			3					8
*14:04			3					w
*14:14	1	2	3					
*14:18		2	3					8
*15:03:01-15:03:03, 15:47, 15:54, 15:62, 15:69, 15:98, 15:103, 15:127, 15:131-15:132, 15:156, 15:158, 15:173, 52:16		2				6	7	
*15:09-15:10:02, 15:18:01-15:18:04, 15:23, 15:37, 15:72, 15:80, 15:90, 15:93, 15:99, 15:108, 15:119, 15:133-15:134, 15:153, 15:161		2	3					
*15:29		2						
*15:49, 15:74		2					7	
Well No.	1	2	3	4	5	6	7	8

Length of spec.	185	190	170	105	210	170	160	185
PCR product(s)							205	230
Well No.	1	2	3	4	5	6	7	8
*15:51-15:52, 15:114, 15:124, 15:176, 15:186		2	3					
*15:61						6	7	
*15:64		2				6		
*15:68, 37:07, 37:13, 48:05, 48:08, 48:15		2				6	7	
*15:71, 15:175, 27:18, 40:05, 40:26, 40:28, 40:95, 40:98								
*15:115		2	3		5			
*15:189								8
*18:01:01, 18:01:03-18:02, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:14, 18:17N-18:18, 18:20, 18:22-18:24, 18:26-18:28, 18:31-18:32, 18:34-18:49, 37:08, 48:16		2				6		
*18:07:01-18:07:02, 48:06		2						
*18:09		2			5	6		
*18:12, 37:01:01-37:06, 37:09, 37:11-37:12, 37:14-37:20, 39:49, 42:11, 48:01:01-48:02:01, 48:03:01-48:04, 48:07, 48:09-48:14, 48:17-48:21		2				6	7	
*18:25		2				6		
*18:33		2	3					
*35:26, 35:35, C*02:02:07, C*05:01:06								8
*37:10		2			5	6	7	
*37:21		2					7	
*39:01:01:01-39:01:01:02L, 39:01:03, 39:01:05-39:01:08, 39:01:10-39:01:11, 39:06:01-39:06:02, 39:09, 39:26-39:28, 39:38Q, 39:40N-39:41, 39:44, 39:46, 39:48, 39:51, 39:53, 39:57	1		3					
*39:01:04	1		3					
*39:01:09, 39:19:01			3					
*39:02:01	1					6	7	
*39:02:02, 39:23						6	7	
*39:03, 39:14, 39:24	1		3					
*39:04			3					8
*39:05:01-39:05:02, 39:11, 39:56	1	2	3					
*39:07, 39:55	1	2	3					
*39:08	1	2				6	7	
Well No.	1	2	3	4	5	6	7	8

Length of spec.	185	190	170	105	210	170	160	185
PCR product(s)							205	230
Well No.	1	2	3	4	5	6	7	8
*39:10, 39:16, 67:01:02								
*39:12, 39:45			3					
*39:13:01-39:13:02		2				6	7	
*39:15, 39:25N, 39:30, 39:32-39:34, 39:43, 39:47, 39:50	1		3					
*39:18, 39:35	1		3					
*39:19:02	1		3					
*39:20		2						
*39:22	1		3				7	
*39:29	1		3					
*39:31	w		3					
*39:39	1					6		
*39:42	1		3					8
*39:52, 39:54, 67:01:01	1							
*44:06, 51:05, 51:08-51:10, 51:15, 51:19-51:20, 51:31, 51:40, 51:42, 51:44N, 51:53, 51:73, 51:81, 51:93, 52:03, 52:10, 52:19, 53:01:01-53:02, 53:04-53:05, 53:07, 53:10, 53:14-53:20, 53:22-53:23, 58:01:01-58:02, 58:04-58:05, 58:07, 58:09-58:11, 58:13-58:16, 58:18, 58:21-58:28								
*49:03, 51:01:01-51:04, 51:06-51:07:02, 51:11N-51:14, 51:16-51:18, 51:21-51:24:03, 51:26-51:30, 51:32-51:39, 51:41N, 51:43, 51:45-51:46, 51:48-51:52, 51:55-51:56, 51:58-51:72, 51:74-51:77, 51:79-51:80, 51:82-51:92, 51:94-51:95, 52:01:01-52:01:05, 52:04-52:09, 52:11-52:15, 52:17-52:18, 53:06, 53:08:01-53:08:02, 58:06, 58:08, 58:19								
*51:57								
*53:21								
*58:12		2						
*58:20								
HLA-B allele								
Well No.	1	2	3	4	5	6	7	8

INTERPRETATION TABLE								
HLA-B*38 SSP subtyping								
Amplification patterns of the B*38:01 to 38:22 alleles								
Well ⁶								
9	10	11	12	13	14	15	16	
145	90	90	90	175	170	230	220	Length of spec.
205	145	145					350	PCR product(s)
							425	
1070	1070	1070	800	800	1070	1070	1070	Length of int.
								pos. control ¹
206	142	246	246	412	527	103	44	5'-primer(s) ²
5' -gAC 3'	5' -TCA 3'	5' -gAA 3'	5' -gAA 3'	5' -ATA 3'	5' -TgA 3'	5' -CCT 3'	5' -ggC 3'	
382	193	463	483			103	363	
5' -TgC 3'	5' -CCA 3'	5' -TgA 3'	5' -gAg 3'			5' -CCT 3'	5' -AgC 3'	
	206	660						
	5' -gAC 3'	5' -gAA 3'						
309	246	296	292	544	3 rd I	292	226	3'-primer(s) ³
5' -ATC 3'	5' -TAT 3'	5' -CTA 3'	5' -gTC 3'	5' -ggT 3'	5' -TAT 3'	5' -gTA 3'	5' -CAC 3'	
544		559	292			292	301	
5' -ggT 3'		5' -CAT 3'	5' -gTC 3'			5' -gTA 3'	5' -gTC 3'	
		774	544			292	544	
		5' -ggT 3'	5' -ggT 3'			5' -gTA 3'	5' -ggT 3'	
9	10	11	12	13	14	15	16	Well No.
								HLA-B allele
				13		15		*38:01:01, 38:01:03-38:01:04
						15		*38:01:02
				13		15		*38:02:01-38:02:02
			12	13				*38:03
				13		15		*38:04
				13				*38:05
9				13		15		*38:06
9	10			13		15		*38:07
		11				15		*38:08
			12	13		15		*38:09
					14	15		*38:10
				13		15	16	*38:11, 38:19 ⁴
	10			13		15		*38:12
		11		13				*38:13
			12	13				*38:14
				13		15		*38:15
	10			13		15		*38:16

9	10	11	12	13	14	15	16	Well No.
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145	90	90	90	175	170	230	220	Length of spec.
205	145	145					350	PCR product(s)
							425	
9	10	11	12	13	14	15	16	Well No.
				13		15	16	*38:17, 39:37 ⁵
		11		13		15		*38:18
				13		15		*38:20
9				13		15		*38:21
						15		*38:22
					14			*07:02:01-07:12, 07:14-07:15, 07:17-07:24, 07:26, 07:28-07:36, 07:39-07:47, 07:49N, 07:52-07:68, 07:70-07:74, 07:76-07:84, 07:86-07:90, 07:92-07:99, 08:06, 08:20, 08:53, 13:16, 13:20, 13:31, 15:01:01:01- 15:01:04, 15:01:06-15:02:04, 15:04, 15:06- 15:08, 15:11:01-15:17:02, 15:19, 15:21, 15:24-15:28, 15:30, 15:32-15:36, 15:38:01- 15:40, 15:42-15:46, 15:50, 15:53, 15:56- 15:58, 15:60, 15:63, 15:65-15:67, 15:70, 15:73, 15:76-15:79N, 15:81-15:82, 15:85, 15:87, 15:89, 15:92, 15:94N-15:97, 15:101- 15:102, 15:104, 15:106, 15:109-15:110, 15:112-15:113, 15:116-15:118, 15:120- 15:122, 15:125-15:126, 15:128-15:129, 15:135, 15:137-15:144, 15:146-15:150, 15:152, 15:154, 15:157, 15:159-15:160,
					14			15:163-15:172, 15:174, 15:177-15:178, 15:180-15:184, 15:187, 15:190N-15:191, 27:04:01-27:04:03, 27:06, 27:10, 27:15, 27:20-27:21, 27:24-27:25, 27:40, 27:54, 27:63, 35:11, 35:14:01-35:14:02, 35:21, 35:43-35:44, 35:58, 35:67, 35:79, 35:86, 35:96, 35:99, 40:15-40:16, 40:23, 40:32, 40:51, 44:76, 44:79, 46:01:01-46:05, 46:07N- 46:08, 46:10, 46:12, 46:14-46:17, 46:20, 46:22, 49:01:01-49:02, 49:04-49:10, 50:01:01-50:02, 50:04-50:09, 51:78, 52:02, 52:20, 54:06, 54:20, 55:01:01-55:01:06, 55:03, 55:05, 55:09, 55:11, 55:14-55:15, 55:17, 55:21, 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 56:03, 56:05:01-56:06, 56:21, 56:25, 57:09, 57:13, 57:22, 78:01-78:03, 78:05-78:07
9	10	11	12	13	14	15	16	Well No.

145	90	90	90	175	170	230	220	Length of spec.
205	145	145					350	PCR product(s)
							425	
9	10	11	12	13	14	15	16	Well No.
					14		16	*07:13
					14	15		*07:16, 07:37-07:38, 07:75, 07:91
					14	15	16	*07:27
					14	15		*07:50, 18:15, 18:19, 18:21, 18:30
					14			*07:69, 07:85, 14:02:03
								*08:02
								*08:03, 08:23, 35:25
								*08:04, 18:01:02, 18:03
								*08:17
								*08:38
								*08:54, 15:91, 15:123, 15:151, 40:12, 48:22
				13			16	*08:55, 67:02
						15		*13:14, 18:29, 27:01, 27:23, 27:29, 27:44, 35:50, 35:84, 37:22, 40:02:01-40:04, 40:06:01:01-40:06:02, 40:08-40:09, 40:11, 40:13, 40:18-40:20, 40:24, 40:27, 40:29, 40:35, 40:37, 40:39-40:40, 40:44, 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, 40:93-40:94, 40:96-40:97, 40:99, 48:02:02, 57:10
			12		14			*14:01, 14:07N-14:08, 14:10, 14:12, 39:36
			12		14			*14:02:01-14:02:02, 14:02:04-14:03, 14:05-14:06:02, 14:09, 14:11, 14:13, 14:15-14:17
			12		14			*14:04
					14	15		*14:14
					14			*14:18
					14			*15:03:01-15:03:03, 15:47, 15:54, 15:62, 15:69, 15:98, 15:103, 15:127, 15:131-15:132, 15:156, 15:158, 15:173, 52:16
					14			*15:09-15:10:02, 15:18:01-15:18:04, 15:23, 15:37, 15:72, 15:80, 15:90, 15:93, 15:99, 15:108, 15:119, 15:133-15:134, 15:153, 15:161
					14			*15:29
					14			*15:49, 15:74
9	10	11	12	13	14	15	16	Well No.

145	90	90	90	175	170	230	220	Length of spec.
205	145	145					350	PCR product(s)
							425	
9	10	11	12	13	14	15	16	Well No.
								*15:51-15:52, 15:114, 15:124, 15:176, 15:186
					14			*15:61
					14			*15:64
					14	15		*15:68, 37:07, 37:13, 48:05, 48:08, 48:15
					14	15		*15:71, 15:175, 27:18, 40:05, 40:26, 40:28, 40:95, 40:98
					14			*15:115
			12		14			*15:189
						15		*18:01:01, 18:01:03-18:02, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:14, 18:17N- 18:18, 18:20, 18:22-18:24, 18:26-18:28, 18:31-18:32, 18:34-18:49, 37:08, 48:16
						15		*18:07:01-18:07:02, 48:06
						15		*18:09
						15		*18:12, 37:01:01-37:06, 37:09, 37:11- 37:12, 37:14-37:20, 39:49, 42:11, 48:01:01-48:02:01, 48:03:01-48:04, 48:07, 48:09-48:14, 48:17-48:21
								*18:25
						15		*18:33
								*35:26, 35:35, C*02:02:07, C*05:01:06
						15		*37:10
						15		*37:21
			12	13				*39:01:01:01-39:01:01:02L, 39:01:03, 39:01:05-39:01:08, 39:01:10-39:01:11, 39:06:01-39:06:02, 39:09, 39:26-39:28, 39:38Q, 39:40N-39:41, 39:44, 39:46, 39:48, 39:51, 39:53, 39:57
				13				*39:01:04
				13				*39:01:09, 39:19:01
			12	13				*39:02:01
				13				*39:02:02, 39:23
			12	13			16	*39:03, 39:14, 39:24
			12	13				*39:04
				13		15		*39:05:01-39:05:02, 39:11, 39:56
						15		*39:07, 39:55
				13		15		*39:08
9	10	11	12	13	14	15	16	Well No.

145	90	90	90	175	170	230	220	Length of spec.
205	145	145					350	PCR product(s)
							425	
9	10	11	12	13	14	15	16	Well No.
				13				*39:10, 39:16, 67:01:02
			12	13				*39:12, 39:45
				13		15		*39:13:01-39:13:02
			12					*39:15, 39:25N, 39:30, 39:32-39:34, 39:43, 39:47, 39:50
			12	13	14			*39:18, 39:35
	10		12	13				*39:19:02
				13		15		*39:20
			12	13				*39:22
			12				16	*39:29
			12	13				*39:31
			12	13				*39:39
			12	13				*39:42
			12	13				*39:52, 39:54, 67:01:01
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