

INTERPRETATION TABLE								
HLA-B*49 SSP subtyping								
Amplification patterns of the B*49:01 to B*49:20 alleles								
	Well ⁶							
	1	2	3	4	5	6	7	8
Length of spec.	145	145	145	170	105	160	105	70
PCR product(s)		255		205			255	155
Length of int.								
pos. control ¹	800	1070	1070	1070	1070	1070	1070	1070
5'-primer ²	206	97	206	141	357	420	357	357
	5'-gAA 3'	5'-TCC 3'	5'-gAA 3'	5'-ATT 3'	5'-Tgg 3'	5'-TTA 3'	5'-Tgg 3'	5'-Tgg 3'
		454		420				
		5'-ACA 3'		5'-TTA 3'				
3'-primer(s) ³	309	309	309	272	420	538	419	387
	5'-ATC 3'	5'-gTg 3'	5'-gTg 3'	5'-Tgg 3'	5'-gCT 3'	5'-CAg 3'	5'-Cgg 3'	5'-TCC 3'
		559		583			419	470
		5'-CAg 3'		5'-gTg 3'			5'-CgA 3'	5'-TCT 3'
							572	
							5'-gCg 3'	
Well No.	1	2	3	4	5	6	7	8
HLA-B allele								
*49:01:01-49:01:03	1				5	6		
*49:02		2	3		5	6		
*49:03				4	5	6		
*49:04	1						7	
*49:05	1						7	8
*49:06	1	2			5	6		
*49:07	1				5	6		
*49:08, 49:16 ⁴	1				5	6		
*49:09	1			4	5	6		
*49:10	1				5	6		
*49:11	1				5	6		
*49:12	1				5	6		
*49:13, 49:14 ⁵	1				5	6		
*49:15	1				5	6		
*49:17	1				5	6		
*49:18	1							
*49:19N	1				5	6		8
*49:20	1				5	6	7	
*07:78, 13:31, 13:41, 55:09					5			8
Well No.	1	2	3	4	5	6	7	8

Length of spec.	145	145	145	170	105	160	105	70
PCR product(s)		255		205			255	155
Well No.	1	2	3	4	5	6	7	8
*07:84, 13:35, 27:14, 27:81, 40:06:01:01-40:06:04, 40:44, 40:53, 40:70, 40:75, 40:83, 40:93, 40:95, 40:103, 40:127, 40:131, 40:148, 40:161-40:162, 40:165, 40:177, 51:10, 51:16, 51:31, 51:34, 51:82, 51:93, 52:08								8
*08:03, 08:52, 08:78, 38:30, 44:06, 53:22, 57:09, 57:24								
*08:09, 15:83, 41:01, 41:05-41:07, 41:09, 41:12, 41:14, 41:16-41:17, 42:04, 51:01:01-51:01:18, 51:01:20- 51:03, 51:05, 51:07:02, 51:09:01- 51:09:02, 51:11N-51:12, 51:14, 51:18-51:19, 51:21-51:22, 51:24:01- 51:24:04, 51:26-51:30, 51:32-51:33, 51:35, 51:38-51:41N, 51:43, 51:48- 51:55, 51:57-51:58, 51:60-51:61, 51:65-51:80, 51:83-51:91, 51:95- 51:96, 51:98N-51:105, 51:107, 51:109-51:111, 51:113-51:126, 52:01:01:01-52:01:01:02, 52:01:03, 52:01:05-52:01:08, 52:01:10, 52:04- 52:07, 52:10:01-52:13, 52:16-52:18, 52:20, 52:22-52:24, 52:26-52:27, 54:04, 54:11, 55:17, 55:20, 55:28, 56:05:01-56:06, 56:15, 56:21, 58:08:01-58:08:02, 59:02, 78:01:01- 78:07								8
*13:01:01-13:01:06, 13:06-13:07N, 13:11-13:12, 13:17, 13:22:01- 13:22:02, 13:25, 13:28-13:29, 13:36, 13:39, 13:43, 13:50, 13:52, 15:86, 15:224, 40:48, 40:71, 56:02, 56:04, 56:10						6		
Well No.	1	2	3	4	5	6	7	8

Length of spec.	145	145	145	170	105	160	105	70
PCR product(s)		255		205			255	155
Well No.	1	2	3	4	5	6	7	8
*13:02:01-13:02:05, 13:02:07-13:02:12, 13:08Q-13:09, 13:14, 13:19, 13:27, 13:30, 13:32-13:34, 13:37-13:38, 13:40, 13:42, 13:44-13:45, 13:49N, 55:22					5	6		8
*13:02:06					5	6		
*13:03, 35:60, 46:11, 46:18, 51:15, 54:01:01-54:03, 54:05N, 54:07-54:08N, 54:12-54:13, 54:17-54:19, 54:21-54:24, 55:02:01-55:02:06, 55:07, 55:10, 55:12, 55:16, 55:18-55:19, 55:26, 55:30, 55:34-55:35, 55:41, 55:43, 55:47-55:48, 55:50, 56:01:01-56:01:04, 56:07-56:08, 56:14, 56:16-56:17, 56:19N-56:20:02, 56:23-56:24, 56:26-56:29, 59:01:01:01-59:01:01:02, 59:04-59:05					5	6		8
*13:04, 13:46, 15:04, 15:16:01-15:16:02, 15:67, 15:95, 15:137, 15:155, 15:222, 39:06:01-39:06:02, 39:33-39:34, 39:57, 39:62, 39:64, 51:13:01-51:13:02, 51:23, 51:37, 51:63, 51:92, 51:108, 52:14-52:15, 54:14, 55:13, 55:23, 55:32, 56:22, 59:03							7	8
*13:15				4	5	6		8
*13:16, 55:24					5	6		8
*13:18					5			8
*13:20, 39:17, 50:12, 55:01:07						6		
*13:23		2				6		
*13:47						6		8
*13:48, 15:42, 55:01:01-55:01:03, 55:01:05-55:01:06, 55:01:08, 55:03, 55:05, 55:11, 55:15, 55:25, 55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 55:45, 55:54, 56:25, 56:30					5	6		8
*15:16:03, 35:37, 45:02, 45:09, 50:09							7	
Well No.	1	2	3	4	5	6	7	8

Length of spec.	145	145	145	170	105	160	105	70
PCR product(s)		255		205			255	155
Well No.	1	2	3	4	5	6	7	8
*15:46, 15:53, 15:106, 35:47, 35:154, 40:10:01-40:10:02, 40:40, 40:49, 40:129, 40:164, 44:02:13, 44:02:19, 44:05:03, 44:09, 44:11, 44:46, 44:75, 44:90, 44:129, 47:01:01:01-47:03, 47:05-47:08								
*18:04, 40:01:11				4				
*18:09, 27:01, 37:10, 58:13		2						
*35:01:10, 35:04:02, 40:28, 50:14, 51:56:01-51:56:02								
*39:50, 40:86, 40:159, 73:01-73:02							7	8
*40:13, 40:19, 40:117, 57:51	1							
*40:47, 40:157, 44:55, 44:103		2	3					
*40:58				4				
*40:96		2	3					8
*40:109	1							8
*40:110			3					8
*40:167								
*44:02:01:01-44:02:09, 44:02:11- 44:02:12, 44:02:14-44:02:18, 44:02:20-44:05:02, 44:12-44:14, 44:16-44:17, 44:19N, 44:21-44:24, 44:26-44:33, 44:35-44:39, 44:41:01- 44:43:02, 44:45, 44:48, 44:51- 44:54, 44:56N, 44:58N-44:59, 44:61N-44:74, 44:76-44:80, 44:82, 44:84-44:89, 44:91-44:94, 44:96- 44:99, 44:101-44:102, 44:104- 44:110, 44:112-44:128, 44:132- 44:133, 44:135-44:137, 47:04			3					
*44:02:10, 44:34			3	4				
*44:07, 44:49, 44:81, 44:111			3					
*44:10			3			6		
*44:15		2	3		5		7	
*44:18	1				5		7	
*44:20, 44:47, 44:100			3				7	8
Well No.	1	2	3	4	5	6	7	8
Length of spec.	145	145	145	170	105	160	105	70
PCR product(s)		255		205			255	155
Well No.	1	2	3	4	5	6	7	8

*44:25, 44:95	1							
*44:50, 57:45	1							
*45:01, 45:03, 45:05-45:07, 45:11-45:13					5		7	
*45:04, 45:08					5			
*45:10					5			
*50:01:01-50:01:03, 50:04-50:08, 50:10-50:11, 50:15					5	6		
*50:02					5	6	7	
*50:13					5	6		
*51:07:01, 52:01:02, 52:01:04, 52:01:09, 52:02-52:03, 52:09, 52:21				4				8
*51:08, 51:20, 51:36, 51:44N, 52:19								8
*51:62				4		6		
*51:97							7	8
*51:106				4		6		8
*51:112	1							8
*52:25				4	5	6		8
*54:10, 55:37					5			8
*54:16, 54:20, 55:21, 55:46, 55:52, 56:13					5			8
*55:01:04					5	6		8
*55:39, 55:42						6		8
*55:44, 55:53						6		8
HLA-B allele								
Well No.	1	2	3	4	5	6	7	8

INTERPRETATION TABLE								
HLA-B*49 SSP subtyping								
Amplification patterns of the B*49:01 to B*49:20 alleles								
Well ⁶								
9	10	11	12	13	14	15	16	
245	80	505	135	150	155	160	95	Length of spec.
	250				190	190	135	PCR product(s)
						290		
								Length of int.
1070	800	1070	1070	1070	1070	1070	1070	pos. control ¹
357	357	317	97	420	357	357	176	5'-primer ²
5' -Tgg 3'	5' -Tgg 3'	5' -gCT 3'	5' -TCT 3'	5' -TTA 3'	5' -Tgg 3'	5' -Tgg 3'	5' -gAC 3'	
							379	
							5' -ACC 3'	
559	394	538	193	527	470	476	272	3'-primer(s) ³
5' -CTC 3'	5' -gCA 3'	5' -gTC 3'	5' -CgT 3'	5' -CCA 3'	5' -TCT 3'	5' -CCC 3'	5' -Tgg 3'	
	565				505	506	435	
	5' -CAg 3'				5' -gCT 3'	5' -Tgg 3'	5' -TCT 3'	
					506	608		
					5' -Tgg 3'	5' -gCT 3'		
9	10	11	12	13	14	15	16	Well No.
								HLA-B allele
								*49:01:01-49:01:03
								*49:02
								*49:03
								*49:04
								*49:05
								*49:06
9								*49:07
	10							*49:08, 49:16 ⁴
								*49:09
			12					*49:10
				13				*49:11
					14			*49:12
						15		*49:13, 49:14 ⁵
							16	*49:15
					14	15		*49:17
							16	*49:18
					14			*49:19N
								*49:20
9								*07:78, 13:31, 13:41, 55:09
9	10	11	12	13	14	15	16	Well No.

245	80	505	135	150	155	160	95	Length of spec.
	250				190	190	135	PCR product(s)
						290		
9	10	11	12	13	14	15	16	Well No.
9								*07:84, 13:35, 27:14, 27:81, 40:06:01:01-40:06:04, 40:44, 40:53, 40:70, 40:75, 40:83, 40:93, 40:95, 40:103, 40:127, 40:131, 40:148, 40:161-40:162, 40:165, 40:177, 51:10, 51:16, 51:31, 51:34, 51:82, 51:93, 52:08
		11						*08:03, 08:52, 08:78, 38:30, 44:06, 53:22, 57:09, 57:24
								*08:09, 15:83, 41:01, 41:05-41:07, 41:09, 41:12, 41:14, 41:16-41:17, 42:04, 51:01:01-51:01:18, 51:01:20- 51:03, 51:05, 51:07:02, 51:09:01- 51:09:02, 51:11N-51:12, 51:14, 51:18-51:19, 51:21-51:22, 51:24:01- 51:24:04, 51:26-51:30, 51:32-51:33, 51:35, 51:38-51:41N, 51:43, 51:48- 51:55, 51:57-51:58, 51:60-51:61, 51:65-51:80, 51:83-51:91, 51:95- 51:96, 51:98N-51:105, 51:107, 51:109-51:111, 51:113-51:126, 52:01:01:01-52:01:01:02, 52:01:03, 52:01:05-52:01:08, 52:01:10, 52:04- 52:07, 52:10:01-52:13, 52:16-52:18, 52:20, 52:22-52:24, 52:26-52:27, 54:04, 54:11, 55:17, 55:20, 55:28, 56:05:01-56:06, 56:15, 56:21, 58:08:01-58:08:02, 59:02, 78:01:01- 78:07
				13				*13:01:01-13:01:06, 13:06-13:07N, 13:11-13:12, 13:17, 13:22:01- 13:22:02, 13:25, 13:28-13:29, 13:36, 13:39, 13:43, 13:50, 13:52, 15:86, 15:224, 40:48, 40:71, 56:02, 56:04, 56:10
9	10	11	12	13	14	15	16	Well No.

245	80	505	135	150	155	160	95	Length of spec.
	250				190	190	135	PCR product(s)
						290		
9	10	11	12	13	14	15	16	Well No.
9				13				*13:02:01-13:02:05, 13:02:07-13:02:12, 13:08Q-13:09, 13:14, 13:19, 13:27, 13:30, 13:32-13:34, 13:37-13:38, 13:40, 13:42, 13:44-13:45, 13:49N, 55:22
9				13				*13:02:06
				13				*13:03, 35:60, 46:11, 46:18, 51:15, 54:01:01-54:03, 54:05N, 54:07-54:08N, 54:12-54:13, 54:17-54:19, 54:21-54:24, 55:02:01-55:02:06, 55:07, 55:10, 55:12, 55:16, 55:18-55:19, 55:26, 55:30, 55:34-55:35, 55:41, 55:43, 55:47-55:48, 55:50, 56:01:01-56:01:04, 56:07-56:08, 56:14, 56:16-56:17, 56:19N-56:20:02, 56:23-56:24, 56:26-56:29, 59:01:01:01-59:01:01:02, 59:04-59:05
								*13:04, 13:46, 15:04, 15:16:01-15:16:02, 15:67, 15:95, 15:137, 15:155, 15:222, 39:06:01-39:06:02, 39:33-39:34, 39:57, 39:62, 39:64, 51:13:01-51:13:02, 51:23, 51:37, 51:63, 51:92, 51:108, 52:14-52:15, 54:14, 55:13, 55:23, 55:32, 56:22, 59:03
9				13				*13:15
9								*13:16, 55:24
9				w				*13:18
								*13:20, 39:17, 50:12, 55:01:07
				13				*13:23
9				13				*13:47
								*13:48, 15:42, 55:01:01-55:01:03, 55:01:05-55:01:06, 55:01:08, 55:03, 55:05, 55:11, 55:15, 55:25, 55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 55:45, 55:54, 56:25, 56:30
								*15:16:03, 35:37, 45:02, 45:09, 50:09
9	10	11	12	13	14	15	16	Well No.

245	80	505	135	150	155	160	95	Length of spec.
	250				190	190	135	PCR product(s)
						290		
9	10	11	12	13	14	15	16	Well No.
			12					*15:46, 15:53, 15:106, 35:47, 35:154, 40:10:01-40:10:02, 40:40, 40:49, 40:129, 40:164, 44:02:13, 44:02:19, 44:05:03, 44:09, 44:11, 44:46, 44:75, 44:90, 44:129, 47:01:01:01-47:03, 47:05-47:08
								*18:04, 40:01:11
								*18:09, 27:01, 37:10, 58:13
							16	*35:01:10, 35:04:02, 40:28, 50:14, 51:56:01-51:56:02
9								*39:50, 40:86, 40:159, 73:01-73:02
								*40:13, 40:19, 40:117, 57:51
								*40:47, 40:157, 44:55, 44:103
			12					*40:58
9								*40:96
9								*40:109
9			12					*40:110
9								*40:167
			12					*44:02:01:01-44:02:09, 44:02:11-44:02:12, 44:02:14-44:02:18, 44:02:20-44:05:02, 44:12-44:14, 44:16-44:17, 44:19N, 44:21-44:24, 44:26-44:33, 44:35-44:39, 44:41:01-44:43:02, 44:45, 44:48, 44:51-44:54, 44:56N, 44:58N-44:59, 44:61N-44:74, 44:76-44:80, 44:82, 44:84-44:89, 44:91-44:94, 44:96-44:99, 44:101-44:102, 44:104-44:110, 44:112-44:128, 44:132-44:133, 44:135-44:137, 47:04
			12					*44:02:10, 44:34
								*44:07, 44:49, 44:81, 44:111
			12	13				*44:10
								*44:15
		11						*44:18
			12					*44:20, 44:47, 44:100
9	10	11	12	13	14	15	16	Well No.
245	80	505	135	150	155	160	95	Length of spec.
	250				190	190	135	PCR product(s)
						290		
9	10	11	12	13	14	15	16	Well No.

		11	12					*44:25, 44:95
			12					*44:50, 57:45
								*45:01, 45:03, 45:05-45:07, 45:11-45:13
								*45:04, 45:08
9								*45:10
								*50:01:01-50:01:03, 50:04-50:08, 50:10-50:11, 50:15
			12					*50:02
								*50:13
								*51:07:01, 52:01:02, 52:01:04, 52:01:09, 52:02-52:03, 52:09, 52:21
		11						*51:08, 51:20, 51:36, 51:44N, 52:19
								*51:62
		11						*51:97
								*51:106
								*51:112
								*52:25
				w				*54:10, 55:37
								*54:16, 54:20, 55:21, 55:46, 55:52, 56:13
							16	*55:01:04
				13				*55:39, 55:42
								*55:44, 55:53
								HLA-B allele
9	10	11	12	13	14	15	16	Well No.