

INTERPRETATION TABLE

HLA-B*48 SSP subtyping	
HLA-B*48:01	100
HLA-B*48:02	0
HLA-B*48:03	0
HLA-B*48:04	0
HLA-B*48:05	0
HLA-B*48:06	0
HLA-B*48:07	0
HLA-B*48:08	0
HLA-B*48:09	0
HLA-B*48:10	0
HLA-B*48:11	0
HLA-B*48:12	0
HLA-B*48:13	0
HLA-B*48:14	0
HLA-B*48:15	0
HLA-B*48:16	0
HLA-B*48:17	0
HLA-B*48:18	0
HLA-B*48:19	0
HLA-B*48:20	0
HLA-B*48:21	0
HLA-B*48:22	0
HLA-B*48:23	0
HLA-B*48:24	0
HLA-B*48:25	0
HLA-B*48:26	0
HLA-B*48:27	0
HLA-B*48:28	0
HLA-B*48:29	0
HLA-B*48:30	0
HLA-B*48:31	0
HLA-B*48:32	0
HLA-B*48:33	0
HLA-B*48:34	0
HLA-B*48:35	0
HLA-B*48:36	0
HLA-B*48:37	0
HLA-B*48:38	0
HLA-B*48:39	0
HLA-B*48:40	0
HLA-B*48:41	0
HLA-B*48:42	0
HLA-B*48:43	0
HLA-B*48:44	0
HLA-B*48:45	0
HLA-B*48:46	0
HLA-B*48:47	0
HLA-B*48:48	0
HLA-B*48:49	0
HLA-B*48:50	0
HLA-B*48:51	0
HLA-B*48:52	0
HLA-B*48:53	0
HLA-B*48:54	0
HLA-B*48:55	0
HLA-B*48:56	0
HLA-B*48:57	0
HLA-B*48:58	0
HLA-B*48:59	0
HLA-B*48:60	0
HLA-B*48:61	0
HLA-B*48:62	0
HLA-B*48:63	0
HLA-B*48:64	0
HLA-B*48:65	0
HLA-B*48:66	0
HLA-B*48:67	0
HLA-B*48:68	0
HLA-B*48:69	0
HLA-B*48:70	0
HLA-B*48:71	0
HLA-B*48:72	0
HLA-B*48:73	0
HLA-B*48:74	0
HLA-B*48:75	0
HLA-B*48:76	0
HLA-B*48:77	0
HLA-B*48:78	0
HLA-B*48:79	0
HLA-B*48:80	0
HLA-B*48:81	0
HLA-B*48:82	0
HLA-B*48:83	0
HLA-B*48:84	0
HLA-B*48:85	0
HLA-B*48:86	0
HLA-B*48:87	0
HLA-B*48:88	0
HLA-B*48:89	0
HLA-B*48:90	0
HLA-B*48:91	0
HLA-B*48:92	0
HLA-B*48:93	0
HLA-B*48:94	0
HLA-B*48:95	0
HLA-B*48:96	0
HLA-B*48:97	0
HLA-B*48:98	0
HLA-B*48:99	0
HLA-B*48:100	0

Amplification patterns of the B*48:01 to 48:23 alleles

	Well ⁸							
	1	2	3	4	5	6	7	8
Length of spec.	385	145	175	150	285	90	385	85
PCR product(s)						170		225
						285		
Length of int.	800	800	800	800	1070	1070	1070	1070
pos. control ¹								
5'-primer(s) ²	44	499	363	355	363	144	44	260
	5' -ggC ³	5' -TCT ³	5' -AgC ³	5' -TCA ³	5' -Agg ³	5' -TCC ³	5' -ggC ³	5' -ggT ³
					363	225		419
					5' -Agg ³	5' -TgC ³		5' -gTT ³
						363		419
						5' -AAT ³		5' -gTT ³
3'-primer(s) ³	259	605	499	463	605	272	259	302
	5' -CTC ³	5' -gCT ³	5' -ggA ³	5' -gCT ³	5' -gCT ³	5' -Tgg ³	5' -gTT ³	5' -ggC ³
						605	259	605
						5' -gCT ³	5' -gTT ³	5' -gCT ³
Well No.	1	2	3	4	5	6	7	8
HLA-B allele								
*48:01:01-48:01:03	1	2	3					
*48:02:01-48:02:02	1			4				
*48:03:01-48:03:02	1	2			5			
*48:04	1		3					
*48:05	1					6		
*48:06, 81:02 ⁴		2	3				7	
*48:07	1	2	3					8
*48:08	1							
Well No.	1	2	3	4	5	6	7	8
Length of spec.	385	145	175	150	285	90	385	85
PCR product(s)						170		225

						285		
Well No.	1	2	3	4	5	6	7	8
*48:09, 48:11 ⁵	1	2	3					
*48:10, 08:17, 08:54, 42:11 ⁶	1							
*48:12	1							
*48:13, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02 ⁷	1							
*48:14	1							
*48:15	1	2	3					
*48:16		2	3					8
*48:17	1	2			5			8
*48:18	1	2	3					
*48:19	1	2	3					
*48:20	1	2	3			6		
*48:21	1	2				6		
*48:22	1	2	3					
*48:23	1	2			5			
*07:02:01-07:03, 07:08, 07:10, 07:15-07:16, 07:20-07:24, 07:28-07:31, 07:35, 07:37, 07:39, 07:41-07:42, 07:44, 07:46-07:47, 07:49N, 07:55-07:59, 07:61-07:64, 07:67N, 07:70-07:76, 07:79, 07:82-07:83, 07:85-07:96, 07:98-07:99, 07:101-07:104, 07:106-07:111N, 07:113-07:114							7	
*07:04, 07:26, 07:43, 07:45, 07:52, 07:66, 07:84							7	
*07:05:01-07:06, 07:32, 07:69, 07:97, 07:105, 07:112							7	
*07:07, 07:12, 07:14, 07:18:01-07:18:02, 07:77					5		7	
*07:09, 07:11, 07:17							7	
*07:13, 07:54, 07:65								
*07:19, 07:25, 07:48, 08:01:12, 08:07, 08:12:02, 08:14, 14:01-14:03, 14:06:01-14:09, 14:11-14:12, 14:14-14:18, 39:07, 39:15, 39:17, 39:25N, 39:43, 39:55							7	
*07:27, 07:50							7	
*07:33, 07:51, 07:60							7	
*07:34, 07:80							7	
*07:36, 07:38, 07:68:01-07:68:02, 07:81							7	
*07:40, 08:20, 08:40							7	
*07:53							7	
*07:78							7	8
*07:100							7	
*07:115							7	8
Well No.	1	2	3	4	5	6	7	8
Length of spec.	385	145	175	150	285	90	385	85
PCR product(s)						170		225
						285		
Well No.	1	2	3	4	5	6	7	8

*08:01:01-08:01:11, 08:02, 08:05, 08:08N-08:09, 08:11-08:12:01, 08:12:03-08:13, 08:15-08:16, 08:18-08:19N, 08:21-08:27, 08:29-08:34, 08:36, 08:39, 08:41-08:48, 08:50-08:51, 08:53, 08:55-08:62, 42:01:01-42:01:02, 42:04-42:07, 42:12-42:13							7	
*08:03, 08:52, 42:10							7	
*08:04							7	
*08:10, 35:87, 51:96, 55:20, C*06:21								
*08:28, 08:37							7	
*08:35							7	
*08:38, 41:01-41:03:02, 41:05, 41:07, 41:11-41:12, 45:12	1							
*08:49, 14:10				4			7	
*13:01:01-13:01:02, 13:01:04-13:01:05, 13:06-13:07N, 13:12-13:13, 13:17, 13:20, 13:25, 13:28-13:29, 13:36, 13:39				4				
*13:01:03, 13:26, 15:02:01-15:02:04, 15:13, 15:20-15:21, 15:25:01-15:25:02, 15:36, 15:44, 15:77, 15:80, 15:85, 15:88-15:89, 15:106, 15:112, 15:121, 15:139, 15:144, 15:154, 15:165, 15:170, 15:194, 27:19, 27:30, 35:01:01:01-35:01:21, 35:03:01-35:03:04, 35:07-35:08:04, 35:10-35:11:02, 35:13-35:17, 35:19-35:21, 35:23-35:30, 35:33-35:36, 35:38-35:42:02, 35:45-35:49, 35:52, 35:54-35:57, 35:61-35:63, 35:65Q, 35:69-35:71, 35:74, 35:76-35:78, 35:80, 35:82, 35:85, 35:90-35:94, 35:96, 35:98, 35:100-35:101:02, 35:103-35:113, 35:115-35:116, 35:120-35:126, 35:128, 35:130N-35:134N, 35:136-35:145N, 44:02:01:01-44:09, 44:11-44:13, 44:16-44:17, 44:19N, 44:21-44:30, 44:32-44:40, 44:42-44:46, 44:48-44:52N, 44:55-44:61N, 44:63-44:64:02, 44:66-44:76, 44:78-44:81, 44:83-44:98, 44:101-44:105, 44:107-44:110, 51:42, 53:01:01-53:13, 53:15-53:18, 53:20-53:23, 55:14, 56:09, 56:11, 57:01:01-57:01:04, 57:01:06-57:01:08, 57:04-57:06, 57:08, 57:10, 57:14-57:16, 57:18-57:20, 57:22-57:27, 57:29-57:30, 57:32, 58:01:01-58:01:02, 58:01:04-58:01:07, 58:04, 58:09-58:15, 58:17N, 58:19, 58:21-58:24, 58:29-58:30, 83:01				4				
Well No.	1	2	3	4	5	6	7	8
Length of spec.	385	145	175	150	285	90	385	85
PCR product(s)						170		225
						285		
Well No.	1	2	3	4	5	6	7	8
*13:02:01-13:02:09, 13:08Q-13:09, 13:11, 13:14-13:16, 13:18-13:19, 13:21, 13:27, 13:30-13:33, 13:37-13:38, 51:27N, 51:84, 51:93, 54:11, 54:22								

*13:03, 15:09, 15:30, 15:42, 15:48, 15:58, 15:73, 15:83, 15:86, 15:150, 15:188, 27:07, 27:11, 27:20, 27:27, 27:33, 27:43, 35:09:01-35:09:02, 35:18, 35:31, 35:44, 35:60, 35:88, 40:02:01-40:02:09, 40:02:11, 40:04-40:06:03, 40:08, 40:13, 40:39-40:40, 40:68, 40:70, 40:94, 40:97, 40:122, 40:142N-40:144N, 46:11, 46:18, 51:01:01-51:02:02, 51:02:04-51:03, 51:05-51:16, 51:19-51:24:03, 51:26, 51:28-51:36, 51:38-51:41N, 51:43-51:44N, 51:48-51:55, 51:57-51:63, 51:65-51:74, 51:76-51:83, 51:86-51:89, 51:91, 51:95, 52:01:01-52:11, 52:13-52:15, 52:17-52:21, 54:01-54:05N, 54:07-54:08N, 54:10, 54:12-54:13, 54:17-54:21, 54:23, 55:01:01-55:05, 55:07-55:13, 55:15-55:19, 55:21-55:22, 55:24-55:26, 55:28-55:40, 55:42-55:43, 56:01:01-56:02, 56:04-56:08, 56:10, 56:13-56:17, 56:19N-56:29, 58:08, 58:20, 58:27, 59:01-59:05, 67:02, 78:01-78:07, 82:01-82:03, C*15:24								
*13:22:01-13:22:02, 35:04:01-35:04:03, 35:06, 35:12:01-35:12:02, 35:59, 44:10, 44:14, 44:62, 44:77, 44:82, 51:04, 51:46, 51:56, 56:12, 57:02:01-57:03:02, 57:07, 57:09, 57:12, 57:17, 57:28N, 58:28				4				
*13:23				4				
*14:05, 38:01:02, 38:22, 39:29							7	
*14:13, 38:01:01, 38:01:03-38:01:04, 38:05-38:07, 38:09-38:14, 38:16, 38:19, 38:21, 39:03, 39:14, 39:24, 39:37							7	
*15:03:01-15:03:03, 15:47, 15:54, 15:61, 15:64, 15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 18:25, 18:43								
*15:07:01-15:07:02, 15:126, 35:66, 46:12								
*15:45								
*15:55, 35:05:01-35:05:02, 35:51, 35:58, 35:72, 35:89, 35:97, 53:14, 58:18								
*15:62, 37:01:07				4				
*15:68	1							
Well No.	1	2	3	4	5	6	7	8
Length of spec.	385	145	175	150	285	90	385	85
PCR product(s)						170		225
						285		
Well No.	1	2	3	4	5	6	7	8
*15:71, 15:116, 15:124, 15:175, 18:07:01-18:07:02, 18:29, 18:33, 46:14, C*07:123								
*15:138, C*02:23					5			
*18:01:01-18:03, 18:05-18:06, 18:08-18:13, 18:15, 18:17N-18:21, 18:23N-18:24, 18:27-18:28, 18:30-18:32, 18:34, 18:36-18:42, 18:44-18:50, 37:02, 37:09								

*18:14								
*18:22, 37:01:01-37:01:06, 37:03N-37:06, 37:08, 37:10-37:11, 37:13-37:20, 37:23				4				
*18:26, 37:12								
*18:35					5			
*27:24			3					
*27:32, 44:54, 44:106								
*27:36		2				6		
*35:02:01-35:02:04, 35:81, 35:83, 35:95, 35:129N, 53:19				4				
*35:22, 51:64								
*35:50, 35:84, 37:21-37:22, 58:05				4				
*35:114, 40:03								
*37:07								
*38:02:01-38:02:02, 38:08, 38:15, 38:17-38:18, 38:23, 39:01:01:01-39:01:01:02L, 39:01:03-39:01:11, 39:04-39:06:02, 39:09-39:12, 39:16, 39:18-39:20, 39:26-39:28, 39:30-39:36, 39:38Q, 39:40N-39:41, 39:45-39:48, 39:50-39:54, 39:57-39:60, 42:08, 42:14, 67:01:01-67:01:02							7	
*38:04, 39:22, 41:06, 41:09	1							
*38:20				4			7	
*39:23	1							
*39:39							7	
*39:42				4			7	
*39:44							7	
*39:49	1							
*39:56							7	
*40:01:01-40:01:12, 40:07, 40:60, 40:66, 40:73, 40:79, 40:124:01, 40:138-40:140, 40:146-40:147	1	2			5			
*40:09, 40:18, 40:24, 40:44, 40:120, 40:131	?							
Well No.	1	2	3	4	5	6	7	8
Length of spec.	385	145	175	150	285	90	385	85
PCR product(s)						170		225
						285		
Well No.	1	2	3	4	5	6	7	8
*40:10:01-40:10:02, 40:21-40:22N, 40:33, 40:38, 40:42-40:43, 40:46-40:47, 40:49, 40:54-40:55, 40:61, 40:63, 40:67, 40:74, 40:76, 40:81, 40:84, 40:87-40:88, 40:100-40:102, 40:112-40:114, 40:116, 40:118N, 40:123, 40:124:02-40:126, 40:128, 40:132, 40:134-40:135, 40:137, 40:141	?	2			5			

*40:11:01-40:11:02, 40:19, 40:26-40:27, 40:29, 40:37, 40:50, 40:53, 40:56-40:58, 40:64, 40:75, 40:78, 40:82, 40:86, 40:90, 40:93, 40:95-40:96, 40:99, 40:103-40:104, 40:107, 40:110-40:111, 40:115, 40:119, 40:127, 40:129, 40:133Q, 40:145	?							
*40:12		2			5			
*40:14:01-40:14:03, 40:121, 40:136	?				5			
*40:15	?							
*40:16	1							
*40:23	1	2			5			
*40:25, 40:69, 44:31		2			5			
*40:28	?			4				
*40:30, 40:34	?	2						
*40:31, 40:45, 40:80	?	2	3					
*40:32, 40:98	?							
*40:35, 40:71	?							
*40:36, 40:48	?	2			5			8
*40:51	1							
*40:52	?	2			5			
*40:59	1	2			5			
*40:62, 40:65, 40:108	?				5			
*40:72:01-40:72:02	1				5			
*40:77	1				5			8
*40:83	?							
*40:85, 40:91-40:92, 40:130	?							
*40:105	?							
*40:106		2			5		?	
*40:109	?							
*40:117	?	2			5			
*41:04, 41:10, 45:01-45:05, 45:07-45:11, 49:02, 50:01:01-50:02, 50:04-50:09	1							
*41:08	1				5			
*42:02							7	
Well No.	1	2	3	4	5	6	7	8
Length of spec.	385	145	175	150	285	90	385	85
PCR product(s)						170		225
						285		
Well No.	1	2	3	4	5	6	7	8
*42:09							7	
*44:18, 49:01:01-49:01:02, 49:04-49:10	1							
*46:06		2			5			
*49:03	1							
*51:75								
*52:16								
*73:01-73:02							7	
*81:01, 81:03-81:05		2	3					

Cw*0738					5			
HLA-B allele								
Well No.	1	2	3	4	5	6	7	8

INTERPRETATION TABLE							
HLA-B*48 SSP subtyping							
Amplification patterns of the B*48:01 to 48:23 alleles							
Well ⁸							
9	10	11	12	13	14	15	16
215	240	170	120	135	100	140	120
					250	435	
1070	1070	800	1070	1070	1070	800	1070
363	412	142	97	397	363	44	527
5'-AgC ^{3'}	5'-ATA ^{3'}	5'-TCT ^{3'}	5'-TCC ^{3'}	5'-gCT ^{3'}	5'-AgC ^{3'}	5'-ggC ^{3'}	5'-TgA ^{3'}
		142	419	412	693	363	
		5'-TCT ^{3'}	5'-gTC ^{3'}	5'-ATA ^{3'}	5'-ggT ^{3'}	5'-AgC ^{3'}	
539	610	272	165	499	419	309	605
5'-TCC ^{3'}	5'-CTg ^{3'}	5'-Tgg ^{3'}	5'-Tgg ^{3'}	5'-ggT ^{3'}	5'-Cgg ^{3'}	5'-ATC ^{3'}	5'-gCT ^{3'}
			512		572	463	
			5'-CCA ^{3'}		5'-gCA ^{3'}	5'-gCT ^{3'}	
					755		
					5'-CAA ^{3'}		
9	10	11	12	13	14	15	16
		11					
		11					
		11					
	10	11					
9		11		13			16
		11					
9		11					16
9	10	11	12	13	14	15	16
215	240	170	120	135	100	140	120
					250	435	

9	10	11	12	13	14	15	16	Well No.
		11			14			*48:09, 48:11 ⁵
		11		13				*48:10, 08:17, 08:54, 42:11 ⁶
		11		13		15		*48:12
	10	11		13				*48:13, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02 ⁷
		11		w	14	15		*48:14
		11					16	*48:15
		11						*48:16
		11						*48:17
		11				15		*48:18
9		11						*48:19
		11						*48:20
		11						*48:21
		11	12					*48:22
		11	12					*48:23
9							16	*07:02:01-07:03, 07:08, 07:10, 07:15-07:16, 07:20-07:24, 07:28-07:31, 07:35, 07:37, 07:39, 07:41-07:42, 07:44, 07:46-07:47, 07:49N, 07:55-07:59, 07:61-07:64, 07:67N, 07:70-07:76, 07:79, 07:82-07:83, 07:85-07:96, 07:98-07:99, 07:101-07:104, 07:106-07:111N, 07:113-07:114
							16	*07:04, 07:26, 07:43, 07:45, 07:52, 07:66, 07:84
9				13			16	*07:05:01-07:06, 07:32, 07:69, 07:97, 07:105, 07:112
							16	*07:07, 07:12, 07:14, 07:18:01-07:18:02, 07:77
9					14		16	*07:09, 07:11, 07:17
9							16	*07:13, 07:54, 07:65
								*07:19, 07:25, 07:48, 08:01:12, 08:07, 08:12:02, 08:14, 14:01-14:03, 14:06:01-14:09, 14:11-14:12, 14:14-14:18, 39:07, 39:15, 39:17, 39:25N, 39:43, 39:55
9		11					16	*07:27, 07:50
9								*07:33, 07:51, 07:60
				13			16	*07:34, 07:80
9						15	16	*07:36, 07:38, 07:68:01-07:68:02, 07:81
9				13				*07:40, 08:20, 08:40
9	10			13				*07:53
				13			16	*07:78
9						15		*07:100
9							16	*07:115
9	10	11	12	13	14	15	16	Well No.
215	240	170	120	135	100	140	120	Length of spec.
					250	435		PCR product(s)
9	10	11	12	13	14	15	16	Well No.

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9	10	11	12	13	14	15	16	Well No.
215	240	170	120	135	100	140	120	Length of spec.
					250	435		PCR product(s)
9	10	11	12	13	14	15	16	Well No.
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9		11			14	15		*15:68
9	10	11	12	13	14	15	16	Well No.
215	240	170	120	135	100	140	120	Length of spec.
					250	435		PCR product(s)
9	10	11	12	13	14	15	16	Well No.
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	10							*27:24
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								*40:09, 40:18, 40:24, 40:44, 40:120, 40:131
9	10	11	12	13	14	15	16	Well No.
215	240	170	120	135	100	140	120	Length of spec.
					250	435		PCR product(s)
9	10	11	12	13	14	15	16	Well No.
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								HLA-B allele
9	10	11	12	13	14	15	16	Well No.