

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*23:08N, 23:22 ⁵	1	2					7									
*23:09, 23:26 ⁶	1	2						8								
*23:10, 23:23 ⁷	1	2								10						
*23:11N	1	2									11					
*23:12	1	2										12				
*23:13, 23:33 ⁸	1	2														
*23:14:01	1	2													15	16
*23:14:02	1	2														16
*23:15, 23:27 ⁹	1	2														
*23:16, 23:29 ¹⁰	1	2														
*23:17	1	2														
*23:18, 23:28 ¹¹	1	2		4												
*23:19Q, 23:31, 23:53 ¹²	1	2														
*23:20	1	2														
*23:21	1	2														
*23:24	1	2											13			
*23:25	1	2	3													
*23:30	1	2											13			
*23:32	1	2														
*23:34	1	2														
*23:35	1	2														
*23:36, 23:39 ¹³	1	2														
*23:37:01-23:37:02	1	2														
*23:38N	1	2														
*23:40	1	2														
*23:41, 23:42 ¹⁴	1	2														
*23:43	1									10						
*23:44	1	2														
*23:45	1	2														
*23:46	1	2														
*23:47	1	2													15	
*23:48	1	2						8								
*23:49	1	2														
*23:50-23:52, 23:54	1	2														
*01:02, 01:20								8								
*01:04N, 03:21N, 11:21N						6										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	210	160	125	90	230	470	95	135	235	135	200	190	90	245	210	175
PCR product(s)			270	200			205	170		235			210		290	205
								215								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*02:17:01-02:17:02	1													14		w

*02:19, 02:36-02:37, 02:54, 02:255, 24:14-24:15, 24:51-24:53, 24:57, 24:64, 24:92, 24:114, 24:222N, 68:26, 68:65 *02:40:01, 02:51, 02:130 *02:40:02, 68:51																
*02:41, 02:80, 02:117, 02:289, 02:304, 26:10 *02:82N																
*02:108, 02:110, 02:268, 02:300, 02:303, 24:94 *02:221, 29:15	1														14	
*03:72, 11:88, 29:37, 30:01:01- 30:01:07, 30:11:01-30:11:02, 30:14L-30:20, 30:23-30:26, 30:30- 30:31, 30:35-30:43, 30:48-30:49, 30:52-30:54, 30:56, 30:58-30:60, 30:62-30:63, 30:65																
*24:02:01:01-24:02:41, 24:02:43- 24:02:63, 24:04-24:05, 24:08- 24:09N, 24:20, 24:26-24:29, 24:31, 24:34-24:40N, 24:43-24:45N, 24:47-24:50, 24:54-24:56, 24:58- 24:60N, 24:63, 24:67-24:74, 24:76, 24:78-24:86N, 24:88-24:91, 24:93, 24:95-24:105, 24:107-24:109, 24:111-24:113, 24:115-24:124, 24:126-24:127, 24:130, 24:132N- 24:137, 24:139-24:157, 24:159- 24:166, 24:168-24:187, 24:189- 24:203, 24:205-24:206, 24:209, 24:212-24:214, 24:216-24:218, 24:220-24:221, 33:19																16
*24:02:42, 24:21:02, 24:23, 24:75, 24:110, 24:158N, 24:219, 26:16																16
*24:03:01-24:03:02, 24:22, 24:33, 24:125, 24:204															14	16
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	210	160	125	90	230	470	95	135	235	135	200	190	90	245	210	175
PCR product(s)			270	200			205	170		235			210		290	205
							215									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*24:06, 24:87		2											13			16
*24:07, 24:19, 24:131		2														16
*24:10:01-24:10:02, 24:210										w				14		16

*24:11N		2				6										16
*24:13:01	1	2														16
*24:13:02	1	2												15		16
*24:17, 24:41, 24:106		2														16
*24:18, 24:207	1												14			16
*24:21:01			3													16
*24:24	1	2														16
*24:25		2							9							16
*24:30, 24:42		2										12				16
*24:32		2														16
*24:46		2								10						16
*24:61		2														16
*24:62		2														16
*24:66		2														16
*24:77		2		4												16
*24:128		2														16
*24:129		2						8								16
*24:138													13	14		
*24:167													13	14		16
*24:188	1	2														
*24:208			3													16
*25:11, 32:08												12				
*29:07, 31:29	1		3											14		
*30:06																
*30:22, 32:07																
*31:36						5										
*31:67-31:68, 32:28, 33:32:01																
*68:45																16
<i>B*13:39, B*38:16, B*40:13, 40:19, 40:37, 40:109, B*44:02:19, 44:05:03, 44:18, 44:25, 44:50, 44:75, 44:95, 44:152, B*49:01:01-49:01:04, 49:04-49:24, B*51:103, 51:119, B*57:51</i>												w				
<i>B*18:27</i>	1		3							10				14	15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

INTERPRETATION TABLE

HLA-A*23 SSP subtyping

Amplification patterns of the A*23:01 to A*23:55 alleles

Well ¹⁵																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
125	110	115	130	90	90	80	105	95	145	205	270	200	245	185	195	Length of spec. PCR product(s)
225		260	230		290	170	180	205	170	285		240				
							240		245			290				Length of int. pos. control ¹
1070	1070	800	800	800	1070	1070	800	800	1070	1070	1070	1070	1070	1070	1070	
98	453	98	228	920	368	414	98	376	98	368	90	98	98	395	418	5'-primer(s) ²
5'-CTC ^{3'}	5'-AAA ^{3'}	5'-CTC ^{3'}	5'-ATg ^{3'}	5'-CCA ^{3'}	5'-gTT ^{3'}	5'-CAG ^{3'}	5'-CTC ^{3'}	5'-gCT ^{3'}	5'-CTC ^{3'}	5'-gTT ^{3'}	5'-AgT ^{3'}	5'-CTC ^{3'}	5'-CTC ^{3'}	5'-gCA ^{3'}	5'-AgC ^{3'}	
		493	379			678		484				368				
		5'-CTg ^{3'}	5'-ACA ^{3'}			5'-AgA ^{3'}		5'-ACg ^{3'}				5'-gTT ^{3'}				
181	524	163	317	968	418	453	163	538	200	534	317	255	303	538	570	3'-primer(s) ³
5'-gTA ^{3'}	5'-CAC ^{3'}	5'-CgC ^{3'}	5'-ggA ^{3'}	5'-Cag ^{3'}	5'-gTC ^{3'}	5'-TCT ^{3'}	5'-CgC ^{3'}	5'-CAA ^{3'}	5'-TCC ^{3'}	5'-CgT ^{3'}	5'-ggA ^{3'}	5'-TCC ^{3'}	5'-AgT ^{3'}	5'-CAA ^{3'}	5'-CCg ^{3'}	
282		316	570		619	806	238		227	614		255				
5'-gAC ^{3'}		5'-gAA ^{3'}	5'-CCg ^{3'}		5'-gTT ^{3'}	5'-CTA ^{3'}	5'-CCT ^{3'}		5'-CTg ^{3'}	5'-Tgg ^{3'}		5'-TCT ^{3'}				
282		570					299		302			299				
5'-gAC ^{3'}		5'-CCg ^{3'}					5'-TCg ^{3'}		5'-ggC ^{3'}			5'-TCg ^{3'}				
												616				
												5'-CgC ^{3'}				
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-A allele ⁴
	18			21												*23:01:01-23:01:11, 23:55
	w			?												*23:02
				?												*23:03:01-23:03:02
	18			?												*23:04
	18															*23:05
	18			21												*23:06
	18			21												*23:07N
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
125	110	115	130	90	90	80	105	95	145	205	270	200	245	185	195	Length of spec. PCR product(s)
225		260	230		290	170	180	205	170	285		240				
							240		245			290				

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
	18			?												*23:08N, 23:22 ⁵
	18			21												*23:09, 23:26 ⁶
	18			?												*23:10, 23:23 ⁷
	18			?												*23:11N
	18			?												*23:12
17	18			?												*23:13, 23:33 ⁸
	w			?												*23:14:01
	18			?												*23:14:02
	18	19		?												*23:15, 23:27⁹
	18		20	?												*23:16, 23:29 ¹⁰
	18															*23:17
	18			?												*23:18, 23:28 ¹¹
	18			?	22											*23:19Q, 23:31, 23:53¹²
	18			?		23										*23:20
	18			?			24									*23:21
				?												*23:24
	18			?												*23:25
	18			?												*23:30
	18			?							28					*23:32
				?						27						*23:34
	18			?						27						*23:35
	18			?					26							*23:36, 23:39 ¹³
	18			?								29				*23:37:01-23:37:02
	18			21									30			*23:38N
	18			?			24					29				*23:40
	18			?				25								*23:41, 23:42 ¹⁴
	18			?												*23:43
	18			?										31		*23:44
	18			?	22	23										*23:45
	18			?											32	*23:46
	18			?								29				*23:47
	18			?					26							*23:48
	18	19		?			24									*23:49
	18			?												*23:50-23:52, 23:54
																*01:02, 01:20
																*01:04N, 03:21N, 11:21N
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
125	110	115	130	90	90	80	105	95	145	205	270	200	245	185	195	Length of spec.
225		260	230		290	170	180	205	170	285		240				PCR product(s)
							240		245			290				
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*02:17:01-02:17:02

																	*02:19, 02:36-02:37, 02:54, 02:255, 24:14-24:15, 24:51-24:53, 24:57, 24:64, 24:92, 24:114, 24:222N, 68:26, 68:65
	18																*02:40:01, 02:51, 02:130
	w																*02:40:02, 68:51
						23											*02:41, 02:80, 02:117, 02:289, 02:304, 26:10 *02:82N
																	*02:108, 02:110, 02:268, 02:300, 02:303, 24:94 *02:221, 29:15
								25									*03:72, 11:88, 29:37, 30:01:01-30:01:07, 30:11:01-30:11:02, 30:14L-30:20, 30:23-30:26, 30:30-30:31, 30:35-30:43, 30:48-30:49, 30:52-30:54, 30:56, 30:58-30:60, 30:62-30:63, 30:65
	17																*24:02:01:01-24:02:41, 24:02:43-24:02:63, 24:04-24:05, 24:08-24:09N, 24:20, 24:26-24:29, 24:31, 24:34-24:40N, 24:43-24:45N, 24:47-24:50, 24:54-24:56, 24:58-24:60N, 24:63, 24:67-24:74, 24:76, 24:78-24:86N, 24:88-24:91, 24:93, 24:95-24:105, 24:107-24:109, 24:111-24:113, 24:115-24:124, 24:126-24:127, 24:130, 24:132N-24:137, 24:139-24:157, 24:159-24:166, 24:168-24:187, 24:189-24:203, 24:205-24:206, 24:209, 24:212-24:214, 24:216-24:218, 24:220-24:221, 33:19
																	*24:02:42, 24:21:02, 24:23, 24:75, 24:110, 24:158N, 24:219, 26:16
																	*24:03:01-24:03:02, 24:22, 24:33, 24:125, 24:204
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		Well No.
125	110	115	130	90	90	80	105	95	145	205	270	200	245	185	195		Length of spec.
225		260	230		290	170	180	205	170	285		240					PCR product(s)
							240		245			290					
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		Well No.
																	*24:06, 24:87
17																	*24:07, 24:19, 24:131
																	*24:10:01-24:10:02, 24:210

