

INTERPRETATION TABLE

HLA-A*23 SSP subtyping

Amplification patterns of the A*23:01 to A*23:46 alleles

	Well ¹⁴															
	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	215		235			210			205
Length of int. pos. control ¹	800	1070	800	1070	800	1070	800	1070	1070	800	800	1070	800	1070	1070	800
5'-primer(s) ²	368	453	368	98	144	374	98	98	28	368	160	144	368	368	368	98
	5'-gTT ^{3'}	5'-AAA ^{3'}	5'-gTT ^{3'}	5'-CTC ^{3'}	5'-gCC ^{3'}	5'-ATA ^{3'}	5'-CTC ^{3'}	5'-CTC ^{3'}	5'-TCg ^{3'}	5'-gTT ^{3'}	5'-ACg ^{3'}	5'-gCC ^{3'}	5'-gTT ^{3'}	5'-gTT ^{3'}	5'-gTT ^{3'}	5'-CTC ^{3'}
				678			564									368
				5'-Aga ^{3'}			5'-Tga ^{3'}									5'-gTT ^{3'}
3'-primer(s) ³	539	570	453	256	331	621	262	193	92	463	317	292	419	570	538	259
	5'-TCA ^{3'}	5'-CCg ^{3'}	5'-TCg ^{3'}	5'-CTg ^{3'}	5'-CTC ^{3'}	5'-ggg ^{3'}	5'-TgC ^{3'}	5'-CgA ^{3'}	5'-AAC ^{3'}	5'-gCT ^{3'}	5'-ggA ^{3'}	5'-gtg ^{3'}	5'-CgC ^{3'}	5'-CAC ^{3'}	5'-CAg ^{3'}	5'-gTT ^{3'}
			595	728			616	271		559			530			502
			5'-CCg ^{3'}	5'-CCT ^{3'}			5'-CgT ^{3'}	5'-CAT ^{3'}		5'-CCg ^{3'}			5'-CCA ^{3'}			5'-CTT ^{3'}
										571			539			539
										5'-CCT ^{3'}			5'-TCC ^{3'}			5'-TCT ^{3'}
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-A allele																
*23:01:01-23:01:07	1	2														
*23:02		2											13			
*23:03:01-23:03:02	1		3													
*23:04	1													14		
*23:05	1	2							9							
*23:06	1	2			5											
*23:07N	1	2				6										
*23:08N, 23:22 ⁴	1	2					7									
*23:09, 23:26 ⁵	1	2						8								
*23:10, 23:23 ⁶	1	2								10						
*23:11N	1	2									11					
*23:12	1	2										12				
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	215		235			210			205

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*23:13, 23:33 ⁷	1	2														
*23:14	1	2													15	16
*23:14	1	2														16
*23:15, 23:27 ⁸	1	2														
*23:16, 23:29 ⁹	1	2														
*23:17	1	2														
*23:18, 23:28 ¹⁰	1	2		4												
*23:19Q, 23:31 ¹¹	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 ¹²	1	2														
*23:37	1	2														
*23:37	1	2														
*23:38N	1	2														
*23:40	1	2														
*23:41, 23:42 ¹³	1	2														
*23:43	1									10						
*23:44	1	2														
*23:45	1	2														
*23:46	1	2														
*01:02, 01:20								8								
*01:04N, 03:21N, 11:21N						6										
*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, 68:26, 68:65		2														
*02:40, 02:51, 02:130																
*02:41, 02:80, 02:117, 02:289, 02:304, 26:10																
*02:82N							7									
*02:108, 02:110, 02:268, 02:300, 02:303, 24:94	1													14		
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	215		235			210			205
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

*24:77		2		4														16
*24:128		2																16
*24:129		2							8									16
*24:138														13	14			
*24:167														13	14			16
*25:11, 32:08													12					
*29:07, 31:29		1		3												14		
*30:22, 32:07																		
*31:36						5												
*32:28, 33:32																		
*68:45																		16
*68:51																		
<i>B*13:39, 38:16, 40:13, 40:19, 40:37, 40:109, 44:02:19, 44:05:03, 44:18, 44:25, 44:50, 44:75, 44:95, 49:01:01-49:01:03, 49:04-49:20, 51:103, 51:119, 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*23:46 alleles

Well ¹⁴																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
125	110	120	130	90	90	80	180	95	145	205	270	200	245	185	195	Length of spec.
225		260	230		290	170	240	205	245	285		240				PCR product(s)
1070	1070	800	800	800	1070	1070	800	1070	1070	1070	1070	1070	1070	1070	1070	Length of int. pos. control ¹
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								
		5'-CTg ^{3'}	5'-ACA ^{3'}			5'-AgA ^{3'}		5'-ACg ^{3'}								
181	524	316	317	971	418	453	238	538	200	534	317	255	303	538	570	3'-primer(s) ³
5'-gTA ^{3'}	5'-CAC ^{3'}	5'-gAA ^{3'}	5'-ggA ^{3'}	5'-Cag ^{3'}	5'-gTC ^{3'}	5'-TCT ^{3'}	5'-CCT ^{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		570	570		619	806	299		302	614		299				
5'-gAC ^{3'}		5'-CCg ^{3'}	5'-CCg ^{3'}		5'-gTT ^{3'}	5'-CTA ^{3'}	5'-TCg ^{3'}		5'-ggC ^{3'}	5'-Tgg ^{3'}		5'-TCg ^{3'}				
282																
5'-gAC ^{3'}																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-A allele
	18			21												*23:01:01-23:01:07
	w			?												*23:02
				?												*23:03:01-23:03:02
	18			?												*23:04
	18															*23:05
	18			21												*23:06
	18			21												*23:07N
	18			?												*23:08N, 23:22 ⁴
	18			21												*23:09, 23:26 ⁵
	18			?												*23:10, 23:23 ⁶
	18			?												*23:11N
	18			?												*23:12
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
125	110	120	130	90	90	80	180	95	145	205	270	200	245	185	195	Length of spec.
225		260	230		290	170	240	205	245	285		240				PCR product(s)

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
17	18			?												*23:13, 23:33 ⁷
	w			?												*23:14
	18			?												*23:14
	18	19		?												*23:15, 23:27 ⁸
	18		20	?												*23:16, 23:29 ⁹
	18															*23:17
	18			?												*23:18, 23:28 ¹⁰
	18			?	22											*23:19Q, 23:31 ¹¹
	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 ¹²
	18			?								29				*23:37
	18			?												*23:37
	18			21									30			*23:38N
	18			?			24					29				*23:40
	18			?				25								*23:41, 23:42 ¹³
	18			?												*23:43
	18			?										31		*23:44
	18			?	22	23										*23:45
	18			?											32	*23:46
																*01:02, 01:20
																*01:04N, 03:21N, 11:21N
																*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, 68:26, 68:65
	18															*02:40, 02:51, 02:130
						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
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
125	110	120	130	90	90	80	180	95	145	205	270	200	245	185	195	Length of spec.
225		260	230		290	170	240	205	245	285		240				PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

								25									*02:221, 29:15
17																*03:72, 11:88, 30:01:01-30:01:05, 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	
																*24:02:01:01-24:02:41, 24:02:43-24:02:51, 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, 24:168-24:182, 33:19	
																*24:02:42, 24:21:02, 24:23, 24:75, 24:110, 24:158N, 26:16	
17																*24:03:01-24:03:02, 24:22, 24:33, 24:125 *24:06, 24:87 *24:07, 24:19, 24:131 *24:10	
																*24:11N	
																*24:13:01	
				22												*24:13:02	
																*24:17, 24:41, 24:106	
17	18															*24:18 *24:21:01 *24:24 *24:25	
								26								*24:30, 24:42 *24:32 *24:46 *24:61	
												30				*24:62	
				22 23												*24:62	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
125	110	120	130	90	90	80	180	95	145	205	270	200	245	185	195	Length of spec.	
225		260	230		290	170	240	205	245	285		240				PCR product(s)	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
															32	*24:66	

