

# INTERPRETATION TABLE

## HLA-A\*23 SSP subtyping

Amplification patterns of the A\*23:01 to A\*23:31 alleles

	Well <sup>11</sup>											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	210	160	125	90	230	470	95	135	235	135	200	190
PCR product(s)			270	200			205	215		230		
Length of int.	800	1070	800	1070	800	1070	800	1070	1070	800	800	1070
pos. control <sup>1</sup>												
5'-primer(s) <sup>2</sup>	368	453	368	98	144	3 <sup>rd</sup> I	98	98	28	368	160	144
	5'-gTT <sup>3'</sup>	5'-AAA <sup>3'</sup>	5'-gTT <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-gCC <sup>3'</sup>	5'-ATA <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-TCg <sup>3'</sup>	5'-gTT <sup>3'</sup>	5'-ACg <sup>3'</sup>	5'-gCC <sup>3'</sup>
				678			564					
				5'-AgA <sup>3'</sup>			5'-TgA <sup>3'</sup>					
3'-primer(s) <sup>3</sup>	539	570	453	256	331	621	262	193	92	463	317	292
	5'-TCA <sup>3'</sup>	5'-CCg <sup>3'</sup>	5'-TCg <sup>3'</sup>	5'-CTg <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-ggg <sup>3'</sup>	5'-TgC <sup>3'</sup>	5'-CgA <sup>3'</sup>	5'-AAC <sup>3'</sup>	5'-gCT <sup>3'</sup>	5'-ggA <sup>3'</sup>	5'-gTg <sup>3'</sup>
			595	728			616	271		559		
			5'-CCg <sup>3'</sup>	5'-CCT <sup>3'</sup>			5'-CgT <sup>3'</sup>	5'-CAT <sup>3'</sup>		5'-CCg <sup>3'</sup>		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
HLA-A allele												
*23:01:01-23:01:05	1	2										
*23:02		2										
*23:03:01-23:03:02	1		3									
*23:04	1											
*23:05	1	2							9			
*23:06	1	2			5							
*23:07N	1	2				6						
*23:08N, 23:22 <sup>4</sup>	1	2					7					
*23:09, 23:26 <sup>5</sup>	1	2						8				
*23:10, 23:23 <sup>6</sup>	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
Length of spec.	210	160	125	90	230	470	95	135	235	135	200	190
PCR product(s)			270	200			205	215		230		

Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*23:13	1	2										
*23:14	1	2										
*23:15, 23:27 <sup>7</sup>	1	2										
*23:16, 23:29 <sup>8</sup>	1	2										
*23:17	1	2										
*23:18, 23:28 <sup>9</sup>	1	2		4								
*23:19Q, 23:31 <sup>10</sup>	1	2										
*23:20	1	2										
*23:21	1	2										
*23:24	1	2										
*23:25	1	2	3									
*23:30	1	2										
*01:02, 01:20								8				
*01:04N, 03:21N, 11:21N						6						
*02:17:01-02:17:02	1											
*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, 32:28, 33:32												
*02:82N							7					
*02:108, 02:110, 02:268, 24:94	1											
*03:72, 30:01:01-30:01:04, 30:11:01-30:11:02, 30:14L-30:20, 30:23-30:26, 30:30-30:31, 30:35- 30:43												
*24:02:01:01-24:02:40, 24:04- 24:05, 24:08-24:09N, 24:20, 24:26-24:29, 24:31-24:32, 24:34- 24:40N, 24:43-24:45N, 24:47- 24:50, 24:54-24:56, 24:58-24:61, 24:63, 24:66-24:74, 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, 24:139-24:155N, 33:19		2										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	210	160	125	90	230	470	95	135	235	135	200	190
PCR product(s)			270	200			205	215		230		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

*24:03:01-24:03:02, 24:22, 24:33, 24:125													
*24:06, 24:87		2											
*24:07, 24:19, 24:112, 24:131		2											
*24:10										w			
*24:11N		2				6							
*24:13:01	1	2											
*24:13:02	1	2											
*24:17, 24:41, 24:62, 24:106		2											
*24:18	1												
*24:21:01			3										
*24:21:02, 24:23, 24:75, 24:110, 26:16													
*24:24	1	2											
*24:25		2							9				
*24:30, 24:42		2										12	
*24:46		2								10			
*24:77		2		4									
*24:128		2											
*24:129		2						8					
*24:138													
*25:11, 32:08													12
*29:07, 31:29	1		3										
*31:36						5							
*68:45													
*68:51													
<i>B</i> *18:27	1		3							10			
<b>Well No.</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	

# INTERPRETATION TABLE

## HLA-A\*23 SSP subtyping

Amplification patterns of the A\*23:01 to A\*23:31 alleles

Well <sup>11</sup>												
13	14	15	16	17	18	19	20	21	22	23	24	
90	245	210	175	225	110	120	130	90	90	170	180	Length of spec.
210			205			260	230		290			PCR product(s)
<b>800</b>	<b>1070</b>	<b>1070</b>	<b>800</b>	<b>1070</b>	<b>1070</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>1070</b>	<b>1070</b>	<b>800</b>	Length of int.
												pos. control <sup>1</sup>
368	368	368	98	98	453	98	228	920	368	678	98	5'-primer(s) <sup>2</sup>
5'-gTT <sup>3'</sup>	5'-gTT <sup>3'</sup>	5'-gTT <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-AAA <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-ATg <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-gTT <sup>3'</sup>	5'-AgA <sup>3'</sup>	5'-CTC <sup>3'</sup>	
			368			493	379					
			5'-gTT <sup>3'</sup>			5'-CTg <sup>3'</sup>	5'-ACA <sup>3'</sup>					
419	570	538	259	282	524	316	317	971	418	806	238	3'-primer(s) <sup>3</sup>
5'-CgC <sup>3'</sup>	5'-CAC <sup>3'</sup>	5'-Cag <sup>3'</sup>	5'-gTT <sup>3'</sup>	5'-gAC <sup>3'</sup>	5'-CAC <sup>3'</sup>	5'-gAA <sup>3'</sup>	5'-gga <sup>3'</sup>	5'-Cag <sup>3'</sup>	5'-gTC <sup>3'</sup>	5'-CTA <sup>3'</sup>	5'-CCT <sup>3'</sup>	
530			502	282		570	570		619			
5'-CCA <sup>3'</sup>			5'-CTT <sup>3'</sup>	5'-gAC <sup>3'</sup>		5'-CCg <sup>3'</sup>	5'-CCg <sup>3'</sup>		5'-gTT <sup>3'</sup>			
539			539									
5'-TCC <sup>3'</sup>			5'-TCT <sup>3'</sup>									
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												HLA-A allele
					18			21				*23:01:01-23:01:05
13					w			?				*23:02
								?				*23:03:01-23:03:02
	14				18			?				*23:04
					18							*23:05
					18			21				*23:06
					18			21				*23:07N
					18			?				*23:08N, 23:22 <sup>4</sup>
					18			21				*23:09, 23:26 <sup>5</sup>
					18			?				*23:10, 23:23 <sup>6</sup>
					18			?				*23:11N
					18			?				*23:12
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
90	245	210	175	225	110	120	130	90	90	170	180	Length of spec.
210			205			260	230		290			PCR product(s)

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
				17	18			?				*23:13
		15	16		w			?				*23:14
					18	19		?				*23:15, 23:27 <sup>7</sup>
					18		20	?				*23:16, 23:29 <sup>8</sup>
					18							*23:17
					18			?				*23:18, 23:28 <sup>9</sup>
					18			?	22			*23:19Q, 23:31 <sup>10</sup>
					18			?		23		*23:20
13					18			?			24	*23:21
								?				*23:24
					18			?				*23:25
13					18			?				*23:30
												*01:02, 01:20
												*01:04N, 03:21N, 11:21N
	14		w									*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, 32:28, 33:32
												*02:82N
	14											*02:108, 02:110, 02:268, 24:94
				17								*03:72, 30:01:01-30:01:04, 30:11:01-30:11:02, 30:14L-30:20, 30:23-30:26, 30:30-30:31, 30:35- 30:43
			16									*24:02:01:01-24:02:40, 24:04- 24:05, 24:08-24:09N, 24:20, 24:26-24:29, 24:31-24:32, 24:34- 24:40N, 24:43-24:45N, 24:47- 24:50, 24:54-24:56, 24:58-24:61, 24:63, 24:66-24:74, 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, 24:139-24:155N, 33:19
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
90	245	210	175	225	110	120	130	90	90	170	180	Length of spec.
210			205			260	230		290			PCR product(s)
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

