

INTERPRETATION TABLE

HLA-A*68 SSP subtyping

Amplification patterns of the A*68:01 to A*68:54 alleles

	Well ⁵															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	195	435	195	180	140	225	135	160	150	165	160	205	210	150	145	150
PCR product(s)				225	235		155	240	195		200	405	240	195	205	215
									250							
Length of int.	800	###	###	###	800	###	###	800	800	800	800	###	800	800	###	###
pos. control ¹																
5'-primer(s) ²	127	261	106	102	98	102	145	98	106	413	98	47	2 nd I	103	453	106
	5'-ggg ^{3'}	5'-AAC ^{3'}	5'-CCA ^{3'}	5'-ACT ^{3'}	5'-CTA ^{3'}	5'-ACT ^{3'}	5'-CCA ^{3'}	5'-CTA ^{3'}	5'-CCA ^{3'}	5'-CCg ^{3'}	5'-CTA ^{3'}	5'-g.T ^{3'}	5'-CCT ^{3'}	5'-CCT ^{3'}	5'-AAA ^{3'}	5'-CCA ^{3'}
					397	106	414	418	2 nd I		419	376		413		413
					5'-gCC ^{3'}	5'-CCA ^{3'}	5'-gAA ^{3'}	5'-AgC ^{3'}	5'-CCT ^{3'}		5'-ggT ^{3'}	5'-gCA ^{3'}		5'-CCg ^{3'}		5'-CCg ^{3'}
3'-primer(s) ³	282	413	259	240	290	292	259	299	216	538	256	282	497	255	555	278
	5'-gAC ^{3'}	5'-gCC ^{3'}	5'-gTT ^{3'}	5'-ggA ^{3'}	5'-CAA ^{3'}	5'-gTg ^{3'}	5'-gTT ^{3'}	5'-TCA ^{3'}	5'-gCT ^{3'}	5'-CTg ^{3'}	5'-CTC ^{3'}	5'-gAC ^{3'}	5'-TgA ^{3'}	5'-Cgg ^{3'}	5'-CCA ^{3'}	5'-ggC ^{3'}
	282			282	497		506	539	479		538	538	497	521	616	282
	5'-gAC ^{3'}			5'-gAg ^{3'}	5'-Tgg ^{3'}		5'-TgT ^{3'}	5'-TCC ^{3'}	5'-CCA ^{3'}		5'-CCA ^{3'}	5'-CCA ^{3'}	5'-TgA ^{3'}	5'-ggA ^{3'}	5'-CgC ^{3'}	5'-gAg ^{3'}
				292					538				524			282
				5'-gTg ^{3'}					5'-Cag ^{3'}				5'-CAC ^{3'}			5'-gAg ^{3'}
									538							524
									5'-CAA ^{3'}							5'-CAA ^{3'}
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-A allele																
*68:01:01-68:01:07	1	2														
*68:02:01-68:02:04	1		3													
*68:03:01-68:03:02		2		4												
*68:04		2			5											
*68:05		2		4		6										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	195	435	195	180	140	225	135	160	150	165	160	205	210	150	145	150
PCR product(s)				225	235		155	240	195		200	405	240	195	205	215
									250							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

*68:49N	1		3													
*68:50	1	2											13			
*68:51	1		3										13			
*68:53	1		3													
*68:54	1		3													
*01:01:01:01-01:04N, 01:07-01:11N, 01:14- 01:18N, 01:21-01:24, 01:26-01:29, 01:31N- 01:50, 01:52N, 01:54- 01:64																
*01:06, 01:25, 01:53N, 01:65, 29:03, 80:01-80:02																
*01:12, 01:19, 11:38, 24:17, 24:41									10							
*01:13, 03:18	1															
*01:20, 01:66																
*01:51		2														
*02:02, 02:05:01-02:05:03, 02:08, 02:47, 02:63, 02:102, 02:115, 02:154- 02:155, 02:172, 02:179, 02:186, 02:209, 02:232																
*02:03:01-02:03:03, 02:148, 02:253, 02:258, 02:264																
*02:06:05				4		6										
*02:22:01-02:22:02, 02:50, 02:104, 02:136, 02:191, 02:230, 23:02, 24:06, 24:138, 25:08, 26:11N, 26:47, 31:30, 32:10, <i>B*27:25, C*02:07</i>																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	195	435	195	180	140	225	135	160	150	165	160	205	210	150	145	150
PCR product(s)				225	235		155	240	195		200	405	240	195	205	215
									250							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*02:26, 02:99, 02:171:02																
*02:34-02:35:03, 02:56:01-02:56:02, 02:62, 02:78, 02:103, 03:19, 03:40, 03:43, 03:53, 03:82, 11:09, 11:22-11:24:02, 11:31, 11:50Q, 11:59, 24:19, 30:18, 74:13, C*03:82	1															
*02:49, 24:87, B*27:45																
*02:52						7										
*02:55, 33:22																
*02:74:02, 02:159, 23:25, 24:24, 24:67																
*02:114, 02:246, 29:22																
*02:117																
*02:121, 02:237, 24:18, C*12:37															15	
*02:122						6										16
*02:135, 25:05																
*02:143						6										16
*02:229, 36:02																
*02:243, 24:82																
*03:01:01:01-03:01:08, 03:01:10-03:03N, 03:05-03:07, 03:09, 03:11N-03:16, 03:20-03:23, 03:25-03:31, 03:33-03:35, 03:37-03:39, 03:42, 03:44-03:49, 03:51-03:52, 03:54-03:56, 03:58-03:65, 03:67-03:81, 11:35	1															
*03:01:09, 03:08, 03:32, 03:36N, 03:41, 03:57, 29:01:01:01-29:02:01:01, 29:02:03-29:02:05, 29:04, 29:06-29:21, 30:26, 31:03-31:04, 31:06, 32:04																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	195	435	195	180	140	225	135	160	150	165	160	205	210	150	145	150
PCR product(s)				225	235		155	240	195		200	405	240	195	205	215
									250							

*26:18														13			
*26:22																	
*26:40																	
*26:43:01-26:43:02									9								
*29:05										10							
*33:18		2															
*34:01:01-34:01:02, 66:01-66:02, 66:04, 66:07-66:08, 66:10, 66:12-66:14	1																
*34:03-34:04, 34:07-34:08	1	2							?								
*34:05	1																
*34:06	1								?								
*36:01, 36:03, 36:05																	
*36:04																	
*66:06	1								9								
*66:09	1																
*66:15					5												
*69:01	1																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

INTERPRETATION TABLE

HLA-A*68 SSP subtyping

Amplification patterns of the A*68:01 to A*68:54 alleles

Well ⁵																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
165	200	325	90	165	165	185	375	110	100	185	200	80	145	220	165	Length of spec.
185	225			215				240	185	235	230	250	245		195	PCR product(s)
###	800	###	###	###	800	###	###	###	###	###	###	800	###	###	###	Length of int.
																pos. control ¹
395	413	317	362	102	413	413	261	28	453	87	121	102	102	2 nd I	98	5'-primer(s) ²
5'-gCA 3'	5'-CCg 3'	5'-gCA 3'	5'-gAg 3'	5'-ACT 3'	5'-CCg 3'	5'-CCg 3'	5'-AAC 3'	5'-TCg 3'	5'-AAA 3'	5'-ATA 3'	5'-gCT 3'	5'-ACT 3'	5'-ACT 3'	5'-CCT 3'	5'-CTC 3'	
413			362	413				383	666	413	349	489	414		453	
5'-CCA 3'			5'-gAg 3'	5'-CCA 3'				5'-ggA 3'	5'-gAA 3'	5'-CCA 3'	5'-CTg 3'	5'-gCA 3'	5'-CAG 3'		5'-AAA 3'	
											376					
											5'-gCA 3'					
539	570	362	413	275	539	559	355	97	512	282	282	308	308	502	259	3'-primer(s) ³
5'-TCC 3'	5'-CCg 3'	5'-TCA 3'	5'-gCC 3'	5'-CCC 3'	5'-TCC 3'	5'-CgT 3'	5'-gAC 3'	5'-ggT 3'	5'-ACT 3'	5'-gAC 3'	5'-gAC 3'	5'-TCT 3'	5'-TCT 3'	5'-CTT 3'	5'-gTT 3'	
	595			538				453	808	559	538	317	517	506	578	
	5'-CCg 3'			5'-CCg 3'				5'-TCT 3'	5'-AgA 3'	5'-CAT 3'	5'-CCA 3'	5'-ggA 3'	5'-CgT 3'	5'-TgC 3'	5'-Tgg 3'	
												527			595	
												5'-CCT 3'			5'-CCg 3'	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-A allele
					22	23										*68:01:01-68:01:07
17																*68:02:01:01-68:02:04
					22	23										*68:03:01-68:03:02
					22	23										*68:04
					22	23										*68:05
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
165	200	325	90	165	165	185	375	110	100	185	200	80	145	220	165	Length of spec.
185	225			215				240	185	235	230	250	245		195	PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

165	200	325	90	165	165	185	375	110	100	185	200	80	145	220	165	Length of spec.
185	225			215				240	185	235	230	250	245		195	PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
												w				*02:26, 02:99, 02:171:02
																*02:34-02:35:03, 02:56:01-02:56:02, 02:62, 02:78, 02:103, 03:19, 03:40, 03:43, 03:53, 03:82, 11:09, 11:22-11:24:02, 11:31, 11:50Q, 11:59, 24:19, 30:18, 74:13, C*03:82
17				21												*02:49, 24:87, B*27:45 *02:52
							24								32	*02:55, 33:22
			20			23										*02:74:02, 02:159, 23:25, 24:24, 24:67
17												29	30			*02:114, 02:246, 29:22 *02:117
17																*02:121, 02:237, 24:18, C*12:37
17													30			*02:122
																*02:135, 25:05 *02:143
					22	23										*02:229, 36:02
								25								*02:243, 24:82
																*03:01:01-01-03:01:08, 03:01:10-03:03N, 03:05-03:07, 03:09, 03:11N-03:16, 03:20-03:23, 03:25-03:31, 03:33-03:35, 03:37-03:39, 03:42, 03:44-03:49, 03:51-03:52, 03:54-03:56, 03:58-03:65, 03:67-03:81, 11:35
																*03:01:09, 03:08, 03:32, 03:36N, 03:41, 03:57, 29:01:01:01-29:02:01:01, 29:02:03-29:02:05, 29:04, 29:06-29:21, 30:26, 31:03-31:04, 31:06, 32:04
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
165	200	325	90	165	165	185	375	110	100	185	200	80	145	220	165	Length of spec.
185	225			215				240	185	235	230	250	245		195	PCR product(s)

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
	18					23										*03:04
						23										*03:10, 11:04
						23										*03:17
						23										*03:24, 34:02
					22	23										*03:50, 03:66
																*11:01:01-11:01:22, 11:03, 11:05-11:07, 11:11-11:13, 11:15:01-11:15:02, 11:20- 11:21N, 11:26, 11:29- 11:30, 11:32-11:34, 11:36- 11:37, 11:41-11:43, 11:46- 11:49, 11:52Q, 11:54- 11:56, 11:58, 11:60-11:64
																*11:02:01-11:02:03, 11:14, 11:16-11:19, 11:40, 11:45, 11:51, 11:53, 11:57
					22											*11:08, 11:44
																*11:10
												w				*11:25
	18															*11:27, 11:39
																*25:01:01-25:03, 25:06- 25:07, 25:10-25:11, 25:13, 26:01:01-26:01:04, 26:01:07-26:01:14, 26:01:16-26:07:02, 26:09- 26:10, 26:12-26:13, 26:15, 26:17, 26:19-26:21, 26:23- 26:26, 26:29-26:39, 26:41- 26:42, 26:45-26:46, 26:49- 26:50, 43:01, 66:03, 66:05, 66:11
17													30	31		*25:04, 25:12N, 26:01:05- 26:01:06, 26:08, 26:27, 26:48
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
165	200	325	90	165	165	185	375	110	100	185	200	80	145	220	165	Length of spec.
185	225			215				240	185	235	230	250	245		195	PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
17														31		*25:09, 26:01:15, 26:14, 26:28
17													30	31	32	*26:16

17														31		*26:18
17							24							30	31	*26:22
														31		*26:40
														30	31	*26:43:01-26:43:02
						23										*29:05
						23										*33:18
17														30	31	*34:01:01-34:01:02, 66:01-66:02, 66:04, 66:07-66:08, 66:10, 66:12-66:14
							23								?	*34:03-34:04, 34:07-34:08
17														30	?	*34:05
															?	*34:06
					w	23										*36:01, 36:03, 36:05
					w											*36:04
														30	31	*66:06
17							24							30	31	*66:09
17														30	31	*66:15
							24									*69:01
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.