

Length of spec.	##	##	##	##	##	##	##	##	85	##	##	##	90	##	##	95
PCR product(s)					210	550							195			205
HLA-A allele ⁴																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*110101-110116	1										11	12		14		
*110201-110203 ⁸		2									11	12		14		
*1103	1		3								11	12		14		
*1104	1			4							11			14		
*1105	1				5						11	12		14		
*1106	1					6					11	12		14		
*1107	1					6					11	12		14		16
*1108	1						7					12		14		
*1109	1							8			11	12		14		
*1110	1									10	11	12		14		
*1111	1										11	12	13	14		
*1112	1										11	12			15	
*1113, 1154 ⁵	1										11	12		14		16
*1114		2									11	12		14		
*111501	1										11	12		14		
*111502	1										11	12		14		
*1116		2									11	12		14		
*1117											11	12				
*1118						6					11	12				
*1119											11	12				
*1120	1										11	12		14		
*1121N	1										11	12		14		
*1122	1					6					11	12		14		
*1123	1											12		14		
*112401	1											12		14		
*112402	1											12		14	15	
*1125	1											12		14	15	
*1126	1													14		
*1127	1			4					9		11			14		
*1129	1										11	12		14		
*1130	1										11	12		14		
*1131	1											12		14	15	
*1132, 1151 ⁶	1										11	12		14		
*1133	1		3								11	12		14		
*1134	1							8			11	12	13	14		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	##	##	##	##	##	##	##	##	85	##	##	##	90	##	##	95
PCR product(s)					210	550							195			205
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1135	1			4										14	15	
*1136	1										11	12		14		
*1137	1										11	12		14		
*1138		2							9		11	12		14		
*1139	1								9		11	12		14		
*1140											11	12				
*1141	1										11	12		14		
*1142	1										11	12		14		
*1143	1									10	11	12		14		
*1144	1						7					12		14		
*1145											11	12		14		
*1146	1										11	12		14		
*1147	1										11	12		14		
*1148	1													14		
*1149	1										11	12		14		
*1150	1						7							14		
*1152	1									10	11	12		14		
*1155	1										11	12		14		
*01010101-0102, 0109, 0111N, 0116N, 0118N, 0122N-0124, 0127N- 0140, 0142, 0144-0150							7					12				
*0103, 3603, 7410																
*0104N							7					12				
*0106												12		15		
*0107							7					12				
*0108, 0115N							7									
*0110							7					12				
*0112, 0119				4							11					
*0113	1						7					12		14		
*0114				4			7									
*0117							7					12		14		
*0120																
*0121							7					12				
*0125											w	12				
*0126							7		9			12				
*0141																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	##	##	##	##	##	##	##	##	85	##	##	##	90	##	##	95

PCR product(s)					210	550				280				195		215	205
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
*0143							7					12					
*0151							7				10	12					
*020301, 020302, 9217, 9248																	
*020501-020604, 020606-020609, 0208, 0210, 0214, 0221, 0228, 0241, 0244, 0251, 0254, 0257, 0261, 0272, 0279, 0284, 0291, 9206, 9208, 9222, 9226, 9227, 9237, 9242-9244, 9269, 9270, 9272, 9278-9280																	
*0213, 0226, 927101, 927102																	
*0234-023503	1														w		
*0238						6											
*0255, 330101-330103, 330301-3307, 3310-3312, 3314-3316, 3318-3320, 3322-3329, 6603, 680301-6805, 6820, 6831																	
*025601, 025602, 0262, 0278, 9203, 0340, 6810, 6813, 6814, 6830, 7413	1														15		
*0299																	
*9201, 9235						6											
*9254						6											
*9256				4											15		
*03010101-03010103, 030103-030108, 030110-030117, 0303N-0306, 0309, 0311N-0317, 0319, 0320, 0323, 0325-0330, 0333-0335, 0337-0339, 0343-0349, 0351-0356, 0358-0362, 0364, 0367, 0368N, 0370-0372, 0374	1			4											15		
*030102	1			4											15		
*030109, 0308, 0336N, 0357, 3204				4											15		
*0302, 0310, 0331, 0365, 0369N, 0373	1			4							11				15		
*0307	1			4											15		
*0318	1						7					12			15		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Length of spec.	#	#	#	#	#	#	#	#	85	#	#	#	90	#	#	95	

PCR product(s)					210	550				280				195		215	205
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
*0321N	1			4											15		
*0322	1		3	4											15		
*0324	1			4											15		
*0332				4							11						
*0341				4											15		
*0342	1		3	4											15		
*0350, 0366	1			4			7								15		
*0363	1			4										14	15		
*2307N, 2411N																	
*2419	1																
*2424, 29010101-2903, 2905-2918, 2921, 2922, 3217, 6836, 6846															15		
*2444																	
*2459									9								
*2492				4							11						
*250101, 250102, 2503-2510, 2605, 2616, 2620											10						
*2502											10			14			
*2511						6					10						
*260101-2602, 2604, 2608-2612, 2614, 2615, 2617, 2618, 2622-2629, 2634, 2637-2642											10						
*2603, 2606, 2621						6					10						
*260701, 260702, 2631																	
*2613, 2633											10			14			
*2619														14			
*2630						6											
*2632											10						
*2635											10						
*2636						6					10						
*2904															w		
*300101-300204, 3003, 3007, 3008, 3010-3013, 3015, 3016, 3019, 3020, 3022, 3024-3026, 3030-3034				3 4											15		
*300205				3 4													
*3004, 3006, 3029				3 4			7										
*3009, 3104				3 4											15		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Length of spec.	##	##	##	##	##	##	##	##	85	##	##	##	90	##	##	95	

PCR product(s)					210	550				280				195		215	205
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
*3014L			3												15		
*3017			3	4			7								15		
*3018	1		3	4											15		
*3023, 3027N			3	4											15		
*3103			3	4						10					15		
*3313										10							
*340101, 340102, 3405	1									10				w			
*3402, 3404, 3408	1		w	4						10				14	15		
*3403	1		3	4						10				14	15		
*3406, 6606	1									10				14	15		
*3407	1		w	4						10					15		
*3601, 3602, 3605				4			7										
*3604							7					12					
*4301													13				
*6601, 6604, 6607, 6609, 6610	1									10				14			
*6602, 6612, 680101-680204, 6806-6809, 6811N, 6812, 6816-6819, 6821-6823, 6825-6829, 6832-6835, 6837-6839, 6841, 6843-6845, 6847, 6848, 6901	1														15		
*6605										10							
*6608	1				5					10				14			
*6611										10				14			
*6815																	
*6824, 6840	1																
*6842	1														15		
*8001																	
<i>B*0818, B*7301</i>										10							
HLA-A allele ⁴																	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

INTERPRETATION TABLE

HLA-A*11 SSP subtyping

Amplification patterns of the A*1101 to A*1155 alleles

Well ⁷																	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
##	##	##	##	##	##	80	##	##	##	##	##	80	##	##	##	Length of spec. PCR product(s)	
		220	240		230		470		370	260	280		265	285	265	Length of int. pos control ¹	
5'-ATA 3'	5'-TCC 3'	5'-CCT 3'	5'-CCT 3'	5'-CAC 3'	5'-CCT 3'	5'-gCA 3'	5'-ggA 3'	5'-TCC 3'	5'-ggA 3'	5'-CCT 3'	5'-CCA 3'	5'-AAC 3'	5'-CCT 3'	5'-TCA 3'	5'-TCC 3'	5'-primer(s) ²	
	363	363	368				3 rd	363		363	151		363	151	363		
											363			363		3'-primer(s) ³	
5'-CCA 3'	5'-CAG 3'	5'-ggC 3'	5'-TCg 3'		5'-gTg 3'	5'-CCT 3'	5'-ggg 3'	5'-CAG 3'	5'-gCg 3'	5'-TgC 3'	5'-CAA 3'		5'-TgC 3'	5'-gCA 3'	5'-CCA 3'		
526	565	329	299		292	527	621	538	430	330	565		330	605	527		
		497	570			527				570			587		616		
		5'-Tgg 3'	5'-CAC 3'			5'-CCT 3'				5'-CCg 3'			5'-CCT 3'		5'-CgC 3'		
5'-CTg 3'																	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No. HLA-A allele ⁴	

##	##	##	##	##	##	80	##	##	##	##	##	80	##	##	##	Length of spec.
		220	240		230		470		370	260	280		265	285	265	PCR product(s)
		265													295	
																HLA-A allele ⁴
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*110101-110116
																*110201-110203 ⁸
						23										*1103
																*1104
																*1105
					22											*1106
						23										*1107
																*1108
													29			*1109
																*1110
																*1111
																*1112
17																*1113, 1154 ⁵
	18															*1114
											28					*111501
																*111502
		19														*1116
			20	21						27						*1117
					22											*1118
				21												*1119
						23										*1120
							24									*1121N
																*1122
	19															*1123
								25								*112401
																*112402
						23										*1125
									26							*1126
										27						*1127
													30			*1129
														31		*1130
															32	*1131
															32	*1132, 1151 ⁶
																*1133
																*1134
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

##	##	##	##	##	##	80	##	##	##	##	##	80	##	##	##	Length of spec.
		220	240		230		470		370	260	280		265	285	265	PCR product(s)
		265													295	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
		19													32	*1135
			20													*1136
					22											*1137
										27						*1138
										27						*1139
			20	21												*1140
									26							*1141
		19	20													*1142
														31		*1143
																*1144
													30			*1145
		19														*1146
	18							25								*1147
							24									*1148
											28			31		*1149
17															32	*1150
											28					*1152
										27			30			*1155
				21						27						*01010101-0102, 0109, 0111N, 0116N, 0118N, 0122N-0124, 0127N-0140, 0142, 0144-0150
				21					26							*0103, 3603, 7410
				21			24			27						*0104N
				21						27						*0106
										27						*0107
				21						27						*0108, 0115N
17				21						27						*0110
				21						27						*0112, 0119
										27						*0113
				21						27						*0114
										27						*0117
				21												*0120
				21						27					32	*0121
				21						27						*0125
				21						27						*0126
				21			24									*0141
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
##	##	##	##	##	##	80	##	##	##	##	##	80	##	##	##	Length of spec.

		265	220	240		230		470		370	260	280		265	285	265	PCR product(s)
																295	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
			20	21						27							*0143
				21						27							*0151
						w											*020301, 020302, 9217, 9248
					22												*020501-020604, 020606-020609, 0208, 0210, 0214, 0221, 0228, 0241, 0244, 0251, 0254, 0257, 0261, 0272, 0279, 0284, 0291, 9206, 9208, 9222, 9226, 9227, 9237, 9242-9244, 9269, 9270, 9272, 9278-9280
						23											*0213, 0226, 927101, 927102
																	*0234-023503
						23											*0238
												29					*0255, 330101-330103, 330301-3307, 3310-3312, 3314-3316, 3318-3320, 3322-3329, 6603, 680301-6805, 6820, 6831
																	*025601, 025602, 0262, 0278, 9203, 0340, 6810, 6813, 6814, 6830, 7413
					22	23											*0299
																	*9201, 9235
					22												*9254
		19													32		*9256
																	*03010101-03010103, 030103-030108, 030110-030117, 0303N-0306, 0309, 0311N-0317, 0319, 0320, 0323, 0325-0330, 0333-0335, 0337-0339, 0343-0349, 0351-0356, 0358-0362, 0364, 0367, 0368N, 0370-0372, 0374
								25									*030102
																	*030109, 0308, 0336N, 0357, 3204
																	*0302, 0310, 0331, 0365, 0369N, 0373
															32		*0307
										27							*0318
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
#	#	#	#	#	#	80	#	#	#	#	#	80	#	#	#	Length of spec.	

		265	220	240		230		470		370	260	280		265	285	265	PCR product(s)
																295	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
							24										*0321N
																	*0322
												29					*0324
																	*0332
				21													*0341
															32		*0342
																	*0350, 0366
																	*0363
							24										*2307N, 2411N
																	*2419
																	*2424, 29010101-2903, 2905-2918, 2921, 2922, 3217, 6836, 6846
				w													*2444
																	*2459
										27							*2492
				21													*250101, 250102, 2503-2510, 2605, 2616, 2620
																	*2502
				21													*2511
			20	21													*260101-2602, 2604, 2608-2612, 2614, 2615, 2617, 2618, 2622-2629, 2634, 2637-2642
				21	22							29					*2603, 2606, 2621
			20	21													*260701, 260702, 2631
			20														*2613, 2633
			20														*2619
					22							29					*2630
			20	21					26								*2632
				21							28						*2635
			20	21													*2636
																	*2904
17																	*300101-300204, 3003, 3007, 3008, 3010-3013, 3015, 3016, 3019, 3020, 3022, 3024-3026, 3030-3034
17								25									*300205
															32		*3004, 3006, 3029
															32		*3009, 3104
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
##	##	##	##	##	##	80	##	##	##	##	##	80	##	##	##	Length of spec.	

														PCR product(s)		
														Well No.		
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	*3014L
17															32	*3017
17																*3018
																*3023, 3027N
				21										31	32	*3103
				21				26						31		*3313
												29				*340101, 340102, 3405
												29				*3402, 3404, 3408
												29				*3403
												29				*3406, 6606
												29				*3407
				21												*3601, 3602, 3605
				21												*3604
		20		21												*4301
												29				*6601, 6604, 6607, 6609, 6610
												29				*6602, 6612, 680101-680204, 6806-6809, 6811N, 6812, 6816-6819, 6821-6823, 6825-6829, 6832-6835, 6837-6839, 6841, 6843-6845, 6847, 6848, 6901
				21								29				*6605
												29				*6608
													30			*6611
				22								29				*6815
												29				*6824, 6840
						w						29				*6842
17				21				25	27							*8001
																<i>B*0818, B*7301</i>
																HLA-A allele ⁴
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.