

INTERPRETATION TABLE																							
HLA-B*51 SSP subtyping																							
Amplification patterns of the B*5101 to B*5152 alleles																							
	Well ⁵																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Length of spec.	105	95	265	255	270	210	270	105	85	160	250	495	200	105	100	190	105	140	145	110	130	160	210
PCR product									195	245				125	230			220			185		
									215														
Length of int.	800	800	1070	1070	1070	1070	1070	800	1070	1070	1070	1070	1070	800	800	1070	1070	800	800	1070	1070	1070	800
pos. control ¹																							
5'-primer(s) ²	206	527	357	357	355	357	357	206	408	357	357	3rd	165	209	357	404	206	141	357	141	357	141	141
	5'-gAC ³	5'-TgA ³	5'-Tgg ³	5'-Tgg ³	5'-TCA ³	5'-Tgg ³	5'-CTC ³	5'-gAC ³	5'-ggT ³	5'-Tgg ³	5'-Tgg ³	5'-CTT ³	5'-AAC ³	5'-ggA ³	5'-Tgg ³	5'-CCC ³	5'-gAC ³	5'-ATT ³	5'-Tgg ³	5'-ATT ³	5'-Tgg ³	5'-ATT ³	5'-ATT ³
									431					357		420		357					
									5'-CgA ³					5'-Tgg ³		5'-TTA ³		5'-Tgg ³					
									540							431							
									5'-gAC ³							5'-CgA ³							
3'-primer(s) ³	272	583	583	571	583	527	583	272	583	477	559	620	322	292	414	559	272	242	463	211	445	259	311
	5'-TgA ³	5'-gTg ³	5'-gTA ³	5'-CCC ³	5'-gTg ³	5'-CCA ³	5'-gTg ³	5'-Tgg ³	5'-gTg ³	5'-gCg ³	5'-CTC ³	5'-ggg ³	5'-gTC ³	5'-gTC ³	5'-TgT ³	5'-CAg ³	5'-TgC ³	5'-CCC ³	5'-gCg ³	5'-ggT ³	5'-ggA ³	5'-gTT ³	5'-ggT ³
						527				559				419	544			538			502		
						5'-CCA ³				5'-CgT ³				5'-CgA ³	5'-ggT ³			5'-gTC ³			5'-CTA ³		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HLA-B allele ⁴																							
*510101, 510103-510108	1	2																				22	
*510102	1	2																					
*510201, 510203	1		3																			22	
*510202	1		3																				
*5103	1	2		4																		22	
*5104	1	2			5																	22	
*5105	1		3			w																	
*5106	1	2					7															22	
*5107		2						8														22	
*5108	1								9									18				22	
*510901	1					6																22	
*510902	1					6																	
*5110	1		3			6				10	11								19			22	
*5111N	1	2										12										22	
*5112	1	2											13									22	
*511301-511302	1	2												14								22	
*5114	1	2													15							22	
*5115	1		3			6										16							
*5116	1	2									11											22	
*5117	1	2							9													22	
*5118	1	2														16						22	
*5119	1					6									15							22	
*5120	1								9					14				18				22	
*5121	1	2								10												22	
*5122		2															17					22	
*5123	1		3																			22	
*5124	1	2																19				22	
*5126	1	2																		20		22	

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Length of spec.	105	95	265	255	270	210	270	105	85	160	250	495	200	105	100	190	105	140	145	110	130	160	210
PCR product									195	245				125	230			220			185		
									215														
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*5127N	1	2																			21	22	
*5128	1	2																18				22	
*5129	1	2																				22	
*5130	1	2																				22	
*5131	1					6					11											22	
*5132	1	2																				22	
*5133	1	2																				22	
*5134	1		3								11											22	
*5135	1	2							9							16						22	
*5136	1		3							10								18				22	
*5137	1	2																				22	
*5138	1	2																			21	22	
*5139	1	2																				22	
*5140	1		3			6																22	
*5141N	1	2																				22	
*5142	1																					22	
*5143	1	2																				22	
*5144N	1								9									18				22	
*5145	1	2					7															22	
*5146	1	2			5																	22	
*5148	1	2																				22	
*5149	1	2																				22	
*5150	1	2																				22	
*5151	1	2																				22	
*5152	1	2																				22	
*070503																							
*0736, 0738, 1513, 15170101-151702, 1524, 1587, 4818, 570101-5706, 5708, 5710, 5711, 5713, 5715, 5716, 5801, 5802, 5804-5807, 5810N, 5816																							
*0809, 4101, 4105- 4107, 4204, 5520			3							10								18	19				
*0832, 3529, 3569, 3574, 3575, 3584	1													14									
*130201-130204, 1308Q, 1309, 1314, 1319, 5522			3			6				11													
*1303, 4611, 5403, 5601, 5607, 5608, 5614, 5616, 5617			3			6										16							
*1304			3			6																	
*1315						6					11												
*1316, 5524			3							11													
*1318			3			6					11												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Length of spec.	105	95	265	255	270	210	270	105	85	160	250	495	200	105	100	190	105	140	145	110	130	160	210
PCR product									195	245				125	230			220			185		
									215														
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*1401-1407N, 1537, 4051		2					7																
*150102, 1509,																							
*1504, 1516, 1567,			3																				
1595, 4904, 4905																							
*1538		2					7																
*1542, 550101-550104, 5503, 5505, 5511, 5515, 5517. 5525. 5528.			3							10													
*1573, 4071, 5602, 5604, 8201, 8202																16							
*1583			3							10								18					
*9537			3											14									
*180101-1802, 1805, 1806, 1808, 1809, 1812-1814, 1817N, 1818, 1820, 1823N, 1824, 1825, 1827. 1828							7	8															
*1803							7	8						14									
*1804							7	8													22	23	
*1807	1						7																
*1810, 1811, 1821, 352001-352002, 3528, 3572, 3702, 3707. 3709. 5309								8															
*1815, 1819		2					7	8															
*1822					5			8															
*1826							7	8															
*2714			3			6				10	11												
*2728, 3932							7																
*350101-350801, 350803-3518, 3522, 3523, 3527, 3530-3536, 3539-3544, 3548, 3550-3559, 3561, 3562, 3564-3568, 3570, 3577, 3579, 3580, 3583, 3806, 3807, 5303, 5311, 5312	1																						
*3521	1	2			5																		
*3524	1				5																		
*3537	1		3			6																	
*3538	1																						
*3545, 3571	1																						
*3560	1		3			6				10													
*3576														14									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Length of spec.	105	95	265	255	270	210	270	105	85	160	250	495	200	105	100	190	105	140	145	110	130	160	210

PCR product									195	245				125	230		220			185			
									215														
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*3581	1				5																		
*3582																	17						
*3585, 3919														14			17						
*370101-370104, 3703N, 3705, 3708, 3710-3712								8															
*3704					5			8	9														
*3706																							
*3713								8						14									
*390601-390602			3			6				10				14	15								
*3933			3			w								14									
*3934			3			6				10				14									
*3943							7																
*400106																							
*40060101-400602, 4044, 4053, 4070, 4075			3			6				10	11							19					
*4028		2			5																		
*4058																						23	
*44020101-440204, 4405, 4408, 4409, 4411, 4412, 4414, 4417, 4419N, 4421- 4425, 4427, 4433, 4434, 4444, 4448, 4449, 4451-4453, 4455, 4458N, 4459																							
*440301-4404, 4407, 4413, 4426, 4428-4430, 4432, 4435, 4436, 4438- 4440, 4443, 4445, 4446, 4450, 4456N, 4457																							
*4406	1																				22		
*4410																16							
*4415, 4418, 4501, 4505-4507			3													16		18					
*4416, 4442																							
*4420, 4503			3															18					
*4447			3			6																	
*4502			3											14				18					
*4504, 5613			3													16		18					
*4901, 4902, 5001, 5004			3													16							
*4903			3					8								16							
*5002			3													16							
*520101, 520103, 5204, 5205, 5207		2						8															
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Length of spec.	105	95	265	255	270	210	270	105	85	160	250	495	200	105	100	190	105	140	145	110	130	160	210
PCR product									195	245				125	230			220			185		

									215														
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*520102, 520104, 5209	2				8																		
*5202, 5808		2																					
*5203	3				6			8															
*520601-520602	1	2																					
*5208	2				8				11														
*5210						6		8															
*5211	3				8																		
*530101-530104, 5304, 5305, 5307, 5308, 5310, 5314	1																						
*5302	1				5																		
*5306	1	2			5																22		
*5401, 5402, 5404, 5405N, 5407, 5408N, 5412, 5413, 550201-550202, 5507, 5510, 5512, 5516, 5518, 5519, 5526 5527 5901	3				6			10															
*5410			3			w				10													
*5411, 5902	3				6			10								19							
*5509			3								11												
*5513	3				6			10				14											
*5521			3							10													
*5523	3				6			10															
*560501		2																				23	
*560502, 5621	2																						
*5606		2											14										23
*5615	3				6																		
*5619N			3			6																	
*5620	3				6							16				19							
*5707																							
*5709																							
*5714, 5809					5																		
*7301					6			10				11	14		19								
*7801, 780202	1	2											14								22	23	
*780201	1	2																					
*7803		2											14				17				22	23	
*7804	1	3			6																		
*7805		2						8															
*8301																							
HLA-B allele ⁴																							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

	INTERPRETATION TABLE																							
	HLA-B*51 SSP subtyping																							
	Amplification patterns of the B*5101 to B*5152 alleles																							
	Well ⁵																							
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45			
210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	135	215	290	190	Length of spec.		
	175	155	270	255			225															PCR product		
			350																					
1070	1070	800	800	1070	1070	800	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	800	800	800	1070	Length of int.		
																						nos. control ¹		
141	357	357	49	49	357	369	357	435	141	355	355	133	141	419	362	165	736	488	141	667	141	5'-primer(s) ²		
5'-ATT ³ 5'-Tgg ³ 5'-Tgg ³ 5'-CAG ³ 49 5'-Tgg ³ 5'-TAC ³ 5'-Tgg ³ 5'-AAA ³ 5'-ATT ³ 5'-TCA ³ 5'-TCA ³ 5'-CCg ³ 5'-ATT ³ 5'-gTC ³ 5'-gAC ³ 5'-ACC ³ 5'-gCA ³ 5'-Cgg ³ 5'-ATT ³ 5'-AgA ³ 5'-ATT ³																								
	652	756	355	357																				
	5'-CCg ³ 5'-ACT ³ 5'-TCA ³ 5'-Tgg ³																							
309	445	419	83	83	559	435	419	559	295	572	538	309	265	583	583	309								

24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.
210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	135	215	290	190	Length of spec.
	175	155	270	255			225															PCR product
			350																			
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.
24					29											40						*5127N
24					29											40						*5128
24					29		31									40						*5129
24	25				29											40						*5130
24					29			32								40						*5131
24		26			29											40						*5132
24			27	28	29											40						*5133
24								32								40						*5134
24					29											40						*5135
24					29											40						*5136
24		26			29		31							38		40						*5137
24	25				29											40						*5138
24			27		29											40						*5139
24					29											40						*5140
24					29				33							40						*5141N
24									34							40						*5142
24					29							36				40						*5143
24					29								37			40						*5144N
24														38		40						*5145
24			27												39	40						*5146
24					29											40	41					*5148
24					29											40		42				*5149
					29														43			*5150
24					29											40				44		*5151
24					29											40					45	*5152
					w			32														*070503
																40						*0736, 0738, 1513, 15170101-151702, 1524, 1587, 4818, 570101-5706, 5708, 5710, 5711, 5713, 5715, 5716, 5801, 5802, 5804-5807, 5810N, 5816
																						*0809, 4101, 4105- 4107, 4204, 5520
																						*0832, 3529, 3569, 3574, 3575, 3584
																						*130201-130204, 1308Q, 1309, 1314, 1319, 5522
					29																	*1303, 4611, 5403, 5601, 5607, 5608, 5614, 5616, 5617
		26			29		31															*1304
																						*1315
								31														*1316, 5524
																						*1318
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.

210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	135	215	290	190	Length of spec.
	175	155	270	255			225															PCR product
			350																			
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.
																						*1401-1407N, 1537, 4051
						30																*150102, 1509,
		26			29		31															*1504, 1516, 1567, 1595, 4904, 4905
													38									*1538
																						*1542, 550101-550104, 5503, 5505, 5511, 5515, 5517. 5525. 5528.
																						*1573, 4071, 5602, 5604, 8201, 8202
																						*1583
		26			29		31															*9537
														38								*180101-1802, 1805, 1806, 1808, 1809, 1812-1814, 1817N, 1818, 1820, 1823N, 1824, 1825, 1827. 1828
														38								*1803
														38								*1804
														38								*1807
																						*1810, 1811, 1821, 352001-352002, 3528, 3572, 3702, 3707. 3709. 5309
														38								*1815, 1819
			27											38								*1822
																						*1826
																						*2714
																						*2728, 3932
																						*350101-350801, 350803-3518, 3522, 3523, 3527, 3530-3536, 3539-3544, 3548, 3550-3559, 3561, 3562, 3564-3568, 3570, 3577, 3579, 3580, 3583, 3806, 3807, 5303, 5311. 5312
			27											38								*3521
			27											38								*3524
		26			29		31															*3537
											35											*3538
										34												*3545, 3571
																						*3560
																						*3576
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.
210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	135	215	290	190	Length of spec.

[illegible]

[illegible]