

INTERPRETATION TABLE																								
HLA-B*44 SSP subtyping																								
Amplification patterns of the B*4402 to B*4465 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	24
Length of spec.	260	90	225	160	75	170	145	90	120	350	150	145	90	95	170	145	195	115	150	130	100	295	145	135
PCR product(s)						195	165	115	195									270	190	220	180			
Length of int. pos control ¹	800	800	800	1070	1070	1070	1070	1070	1070	800	800	1070	1070	800	1070	800	1070	1070	1070	1070	800	800	800	1070
5'-primer(s) ²	355	142	355	418	539	142	206	142	420	49	206	206	206	206	409	206	418	6	206	106	257	49	668	4 th
	5'-TCA ^{3'}	5'-TCA ^{3'}	5'-TCA ^{3'}	5'-Agg ^{3'}	5'-gCg ^{3'}	5'-TCC ^{3'}	5'-gAC ^{3'}	5'-TCA ^{3'}	5'-TTA ^{3'}	5'-CAG ^{3'}	5'-gAA ^{3'}	5'-gAA ^{3'}	5'-gAA ^{3'}	5'-gAA ^{3'}	5'-ggC ^{3'}	5'-gAA ^{3'}	5'-Agg ^{3'}	5'-gCg ^{3'}	5'-gAA ^{3'}	5'-CCg ^{3'}	5'-CCC ^{3'}	5'-CAG ^{3'}	5'-ggT ^{3'}	5'-CCg ^{3'}
						418	418	355	493									499	418	395	418			
						5'-AgT ^{3'}	5'-Agg ^{3'}	5'-TCA ^{3'}	5'-CTT ^{3'}									5'-TCT ^{3'}	5'-Agg ^{3'}	5'-gCT ^{3'}	5'-Agg ^{3'}			
3'-primer(s) ³	572	193	538	539	572	272	309	193	572	226	317	311	255	259	538	309	572	106	313	193	317	171	774	5 th
	5'-gCg ^{3'}	5'-CgT ^{3'}	5'-gTC ^{3'}	5'-TCA ^{3'}	5'-gCg ^{3'}	5'-Tgg ^{3'}	5'-ATC ^{3'}	5'-CgC ^{3'}	5'-gCg ^{3'}	5'-CAC ^{3'}	5'-ggA ^{3'}	5'-ggT ^{3'}	5'-CgC ^{3'}	5'-gTT ^{3'}	5'-gTC ^{3'}	5'-ATC ^{3'}	5'-gCg ^{3'}	5'-CAT ^{3'}	5'-Cgg ^{3'}	5'-CgT ^{3'}	5'-ggA ^{3'}	5'-ACC ^{3'}	5'-ggT ^{3'}	5'-TCA ^{3'}
						572	544	430										572	566	572	559			
						5'-gCg ^{3'}	5'-ggT ^{3'}	5'-gCT ^{3'}										5'-gCg ^{3'}	5'-CCg ^{3'}	5'-gCg ^{3'}	5'-CTC ^{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	24
HLA-B allele ⁴																								
*44020101, 440202-440205	1	2	3								11						17					23		
*44020102S	1	2	3								11						17						23	24
*440301-440303	1	2		4							11						17					23		
*4404	1	2			5						11						17					23		
*4405	1	2	3			6					11											23		
*4406	1		3				7										17					?		
*4407	1			4				8			11						17					23		
*4408	1		3					8									17					23		
*4409	1	2	3								12						17					23		
*4410	1	2				6			9		11											?		
*4411	1	2	3								11						17		19			?		
*4412	1	2	3								11			14			17					?		
*4413	1	2		4							11		13				17					23		
*4414	1	2	3								11				15							?		
*4415		2				6			9		11											?		
*4416		2	3								11										21	23		
*4417	1	2	3			6					11				15							?		
*4418		2				6			9		11					16						?		
*4419N	1	2	3								11						17	18				23		
*4420		2									11						17					?		
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	24

Length of spec.	260	90	225	160	75	170	145	90	120	350	150	145	90	95	170	145	195	115	150	130	100	295	145	135
PCR product(s)						195	165	115	195									270	190	220	180			
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	24
*4421	1	2	3								11						17				21		23	
*4422	1	2	3								11						17			20			?	
*4423N	1	2	3						9		11						17						23	
*4424	1	2	3							10	11						17						?	
*4425	1	2	3			6					11					16							?	
*4426	1	2		4							11						17					22	?	
*4427	1	2	3								11						17							
*442801-442802	1	2			5						11						17						?	
*4429	1	2					7				11						17						?	
*4430	1	2		4							11						17		19				?	
*4431		2				6					11							18						
*4432	1	2		4							11						17				21		?	
*4433	1	2	3								11						17						?	
*4434	1		3								11						17						?	
*4435	1	2									11						17						?	
*4436	1	2		4							11						17			20			?	
*4437		2		4							11												?	
*4438	1	2		4				8			11						17						?	
*4439	1			4		6					11						17						23	
*4440	1			4													17						?	
*4441		2									11						17						?	
*4442		2	3								11												?	
*4443	1	2				6					11												?	
*4444	1		3														17						?	
*4445	1	2									11												?	
*4446	1	2		4								12					17						23	
*4447		2		4							11						17						?	
*4448	1	2	3								11						17						?	
*4449	1	2	3								11						17						23	
*4450	1	2		4							11					16	17						?	
*4451	1	2	3								11				15								23	
*4452N	1	2	3								11						17						23	
*4453	1	2	3								11						17						23	
*4454		2		4							11						17						?	
*4455	1	2	3								11						17						?	
*4456N	1	2			5						11						17						23	
*4457	1			4			8										17						23	
*4458N	1	2	3			6					11												?	
*4459	1	2	3								11						17						23	
*4460	1			4													17						?	
*4461N	1	2		4							11						17						23	
*4462	1	2	3			6					11				15								?	
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	24

Length of spec.	260	90	225	160	75	170	145	90	120	350	150	145	90	95	170	145	195	115	150	130	100	295	145	135
PCR product(s)						195	165	115	195									270	190	220	180			
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	24
*4463	1	2	3								11						17						?	
*446401		2		4							11										21		?	
*446402		2		4							11										21		23	
*4465		2		4							11						17						23	
*070201-0703, 070501-071802, 0721-0724, 0726, 0727, 0729-0768, 0806, 0813, 0820, 0825, 1301-1304, 1306-1322, 15010101-150104, 150106-1513, 1515-1519, 1521, 1523-1540, 1542-1545, 1547-1550, 1552, 1554-1558, 1560-1576, 1578-1582, 1584-1590, 1592-1599, 9501, 9503-9505, 9507-9514, 9516-9529, 9532-9542, 9544-9551, 180101-1808, 1810-1815, 1817N-1832, 2702-270402, 270502-2721, 2723-2745. 3531. 3543. 3546, 3557, 3560, 3579, 3702, 3707, 3943, 4012, 4021, 4046, 4093, 460101-4609, 4611-4616, 4618, 480101-480102, 480301-4819, 5401-5417, 550101-550102, 550104-5505, 5507-5519, 5521-5534, 5601-5604, 5606, 5608-5612, 5614-5620, 5622-5624, 570101-570302, 5705, 5706, 5708, 5710-5719, 5901-5904, 8101, 8102, 8104N																								
*0704, 0719, 0725, 0807, 0837, 1551, 3709, 4209																15								
*0720					5	6																		
*0728																					21			
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	24

Length of spec.	260	90	225	160	75	170	145	90	120	350	150	145	90	95	170	145	195	115	150	130	100	295	145	135
PCR product(s)						195	165	115	195									270	190	220	180			
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	24
*080101-080106, 0803-0805, 0808N, 0810-0812, 0815-0819N, 0821-0824, 0826, 0829-0836, 0838, 3587, 4201, 4202, 420501-4208															15									
*0802															15									
*0809, 0827, 1583, 4204, 5520															15									
*0814, 0828																								
*1323, 1809																								
*1401-1409, 1520, 350101-3518, 352001-3530, 3532-3534, 3536, 3537, 3539-3542, 3544, 3548-3556, 3558, 3559, 3561, 3562, 3564-3570, 3572, 3574-3578, 3580-3586, 3588-3594, 380101-380102, 3805, 3809-3814, 3816, 3817, 39010101-39010102L, 390103-3920, 3922-3942, 3944-3946, 4802, 5150, 5154, 5303, 5309, 5311-5313, 560501-560502, 5621, 5817N, 670101-6702, 7801-7806, 8103																								
*1514, 1591, 9531, 4617						6																		
*1546, 9506, 4010												12												
*1553, 400101-4007, 4009, 4011, 401401-4016, 4018, 4020, 4022N-4024, 4026-4040, 4042-4045, 4048-4057, 4059-4067, 4069-4075, 4077-4082, 4084-4092, 4094, 4702, 5001, 5004		2										12												
*1577, 5704																								
*9543												12		14										
*9515, 5607																								
*2701																								
*3519, 3547												12		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	24

Length of spec.	260	90	225	160	75	170	145	90	120	350	150	145	90	95	170	145	195	115	150	130	100	295	145	135
PCR product(s)						195	165	115	195									270	190	220	180			
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	24
*3538			3												15									
*3545	1				5	6																		
*3563		2										12												
*3571	1				6																			
*370101-370104, 3703N-3705, 3708, 3711, 3713, 3714			3																					
*3706			3								11													
*3710			3																					
*3712, 5709			3												15									
*380201-3804, 3808, 3815																								
*3806, 3807, 510101-5107, 510901-5119, 5121, 5122, 512401-512402, 5126-5135, 5137, 5138, 5140, 5141N, 5143, 5145, 5146, 5148, 5149, 5152, 5153, 5155-5163, 520101, 520103, 5204, 5205, 5207, 5208, 5210-5214, 530101-5302, 5304-5308, 5310, 5314-5316, 580101-5802, 5804-5806, 5808-5810N, 5812-5816, 5818-5820							7																	
*4008, 4025, 4068		2										12		14										
*4013, 4019, 490101-490102, 4904, 4905		2									11				16									
*4047, 4902		2									11													
*4058												12												
*4076		2																						
*4083							8					12												
*4101, 4106, 4107		2										12			15									
*4102-410302, 4108		2										12			15									
*4104		2										12			15									
*4105		2													15									
*4501, 4505, 4506		2				6			9			12												
*4502		2				6						12												
*4503		2										12												
*4504, 4508		2										12												
*4507		2				6			9			12												
*4509		2				6						12			15									
*4610								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	24

Length of spec.	260	90	225	160	75	170	145	90	120	350	150	145	90	95	170	145	195	115	150	130	100	295	145	135
PCR product(s)						195	165	115	195									270	190	220	180			
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	24
*47010101-47010102, 4703-4705	2								11															
*4903							7																	
*5002	2				6				9				12											
*5108, 5120, 5136, 5144N							7								15									
*5123					6		7																	
*5139							7		10															
*5142	1			4			7										17				23			
*5151							7																	
*520102, 520104, 5203, 520601-520602, 5209					7																			
*5202																								
*5613													15											
*5707	1					6																		
*5807						6	7																	
*5811							7																	
*8201, 8202					6				9				15											
*8301	1		3														17							
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	24
Cw*070401-070403, 0711, 0712, 0745, 0763																								
Cw*1610																								
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	24

145	135	160	165	255	195	195	155	195	160	85	145	205	225	75	235	255	165	110	85	250	260	195	105	Length of spec.
		255								180											445		140	PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
							32																	*4421
?							32																	*4422
							32																	*4423N
?							32																	*4424
?							32																	*4425
?																								*4426
25							32																	*4427
?																								*442801-442802
?																								*4429
?																								*4430
25												37									46			*4431
?																								*4432
?	26						32																	*4433
?		27					32																	*4434
?			28																					*4435
?																								*4436
?								33																*4437
?																								*4438
																								*4439
?											36													*4440
?							32						38								46			*4441
?							32							39										*4442
?						31						37												*4443
?							32				36													*4444
?												37												*4445
																								*4446
?		27																						*4447
?							32							40										*4448
							32									41								*4449
?																								*4450
							32					37												*4451
							32										43							*4452N
							32											44						*4453
?																				45	46			*4454
?				29			32																	*4455
										35											46			*4456N
																								*4457
?							32														47			*4458N
							32															48		*4459
?																								*4460
																					48			*4461N
?							32					37					42							*4462
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

145	135	160	165	255	195	195	155	195	160	85	145	205	225	75	235	255	165	110	85	250	260	195	105	Length of spec.
		255								180											445		140	PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
?							32			35														*4463
?								33																*446401
								33																*446402
																					46			*4465
25																								*070201-0703, 070501-071802, 0721-0724, 0726, 0727, 0729-0768, 0806, 0813, 0820, 0825, 1301-1304, 1306-1322, 15010101-150104, 150106-1513, 1515-1519, 1521, 1523-1540, 1542-1545, 1547-1550, 1552, 1554-1558, 1560-1576, 1578-1582, 1584-1590, 1592-1599, 9501, 9503-9505, 9507-9514, 9516-9529, 9532-9542, 9544-9551, 180101-1808, 1810-1815, 1817N-1832, 2702-270402, 270502-2721, 2723-2745. 3531. 3543.
25																								3546, 3557, 3560, 3579, 3702, 3707, 3943, 4012, 4021, 4046, 4093, 460101-4609, 4611-4616, 4618, 480101-480102, 480301-4819, 5401-5417, 550101-550102, 550104-5505, 5507-5519, 5521-5534, 5601-5604, 5606, 5608-5612, 5614-5620, 5622-5624, 570101-570302, 5705, 5706, 5708, 5710-5719, 5901-5904, 8101, 8102, 8104N
25							32					38	39											*0704, 0719, 0725, 0807, 0837, 1551, 3709, 4209
25												37								45	46			*0720
25								33										44						*0728
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

145	135	160	165	255	195	195	155	195	160	85	145	205	225	75	235	255	165	110	85	250	260	195	105	Length of spec.
		255								180											445		140	PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
25							32						38	39			42							*080101-080106, 0803-0805, 0808N, 0810-0812, 0815-0819N, 0821-0824, 0826, 0829-0836, 0838, 3587, 4201, 4202, 420501-4208
25							32			36			38	39		41	42							*0802
25							32							39			42							*0809, 0827, 1583, 4204, 5520
25							32						38	39										*0814, 0828
25				29																				*1323, 1809
f																								*1401-1409, 1520, 350101-3518, 352001-3530, 3532-3534, 3536, 3537, 3539-3542, 3544, 3548-3556, 3558, 3559, 3561, 3562, 3564-3570, 3572, 3574-3578, 3580-3586, 3588-3594, 380101-380102, 3805, 3809-3814, 3816, 3817, 39010101-39010102L, 390103-3920, 3922-3942, 3944-3946, 4802, 5150, 5154, 5303, 5309, 5311-5313, 560501-560502, 5621, 5817N, 670101-6702, 7801-7806, 8103
25						31						37								46				*1514, 1591, 9531, 4617
25																								*1546, 9506, 4010
25																								*1553, 400101-4007, 4009, 4011, 401401-4016, 4018, 4020, 4022N-4024, 4026-4040, 4042-4045, 4048-4057, 4059-4067, 4069-4075, 4077-4082, 4084-4092, 4094, 4702, 5001, 5004
25								33																*1577, 5704
25																								*9543
25										36														*9515, 5607
25				29						36														*2701
f																								*3519, 3547
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

145	135	160	165	255	195	195	155	195	160	85	145	205	225	75	235	255	165	110	85	250	260	195	105	Length of spec.
		255								180											445		140	PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
f							32							39										*3538
f					31							37			40									*3545
f																								*3563
f					31							37			40									*3571
25							32							39										*370101-370104, 3703N-3705, 3708, 3711, 3713, 3714
25							32							39										*3706
25				29			32							39										*3710
25							32							39		42								*3712, 5709
f											36													*380201-3804, 3808, 3815
																								*3806, 3807, 510101-5107, 510901-5119, 5121, 5122, 512401-512402, 5126-5135, 5137, 5138, 5140, 5141N, 5143, 5145, 5146, 5148, 5149, 5152, 5153, 5155-5163, 520101, 520103, 5204, 5205, 5207, 5208, 5210-5214, 530101-5302, 5304-5308, 5310, 5314-5316, 580101-5802, 5804-5806, 5808-5810N, 5812-5816, 5818-5820
25																								*4008, 4025, 4068
25																								*4013, 4019, 490101-490102, 4904, 4905
25				29																				*4047, 4902
25	27																							*4058
25																								*4076
25																								*4083
25							32							39		42								*4101, 4106, 4107
25							32						38	39		42								*4102-410302, 4108
25							32						38	39										*4104
25							32							39		42								*4105
25	27			30			32	34							40									*4501, 4505, 4506
25	27						32								40									*4502
25	27						32								40									*4503
25							32	34						39										*4504, 4508
f	27			30			32	34							40									*4507
25	27				31	32						37			40									*4509
25																								*4610
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

145	135	160	165	255	195	195	155	195	160	85	145	205	225	75	235	255	165	110	85	250	260	195	105	Length of spec.
		255								180											445		140	PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
25																								*47010101-47010102, 4703-4705
25		27																						*4903
25		27			30										40									*5002
f							32							39			42							*5108, 5120, 5136, 5144N
f		27										37												*5123
f																								*5139
																								*5142
																								*5151
f		27																						*520102, 520104, 5203, 520601-520602, 5209
f		27																						*5202
25							32		34					39			42							*5613
25												37												*5707
f					31							37		40						46				*5807
25																								*5811
25					30		32		34			37	38		40		42				46			*8201, 8202
25							32																	*8301
																								HLA-B allele ⁴
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
													39											Cw*070401-070403, 0711, 0712, 0745, 0763
								33		35									44					Cw*1610
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.