

[illegible]

*27:01	1				6	8														
*27:02:01-27:02:02, 27:75, 27:77, 27:95		2			6	8														
*27:03			3	4	6	8														
*27:04:01					5	6	8	9												
*27:04:02-27:04:03					5	6	8	9												
*27:05:02-27:05:03, 27:05:05-27:05:19, 27:84, 27:87-27:88, 27:90:01-27:90:02, 27:93, 27:96, 27:98-27:99				4	6	8														
*27:05:04				4		8														
*27:05:20				4	6	8														
*27:06					5	6		9	10											
*27:07:01-27:07:03				4	6					11										
*27:08					5		7	8												
*27:09				4	6														20	
*27:10				4	6	8	9													
*27:11					5	6				11										
*27:12					5		7	8					13							
*27:13				4	6	8					12									
*27:14, 27:81				4	6												17			
*27:15					5	6	8	9												
*27:16				4	6	8							13							
*27:17				4	6	8								14						
*27:18	1				5		7	8	9						15					
*27:19				4	6											16				
*27:20					5	6			9		11									
*27:21					5	6														
*27:23	1				5	6	8													
*27:24					5	6					11						18			
*27:25					5	6	8	w										19	20	
*27:26					5		7	8												
*27:27				4	6					11										
*27:28				4	6	8														
*27:29	1			4	6	8									15					
*27:30		2			6											16				
*27:31					5	6	8													
*27:32				4	6															
*27:33					5		7				11									
*27:34				4	6									14						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Length of spec.	390	405	120	200	400	415	410	95	205	90	190	210	215	120	105	100	100	175	95	95
PCR product(s)										185		310	370	345		155	310	415	240	175
												425	400							215
																				345
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
*27:35				4	6				10										19	
*27:36					5	6	8													20
*27:37, 27:55				4	6	8														

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*27:89							7	8												
*27:91					5	6			9	10										
*27:92	1			4		6		8	9					13						
*27:94N				4		6		8												
*27:97				4		6		8												
*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 08:40, 08:79, 13:01:01-13:01:02, 13:01:04-13:02:15, 13:07N-13:09, 13:11, 13:13-13:23, 13:25, 13:27-13:33, 13:36-13:45, 13:47, 13:49N-13:50, 13:52, 13:54-13:61, 13:63N, 35:31, 35:88, 39:47, 39:50, 40:01:01-40:01:25, 40:01:27, 40:01:29, 40:07, 40:10:01-40:10:02, 40:16, 40:23, 40:40, 40:66, 40:72:01, 40:73, 40:77, 40:79, 40:138-40:140, 40:146-40:147, 40:150, 40:152-40:153, 40:155N, 40:186, 40:215, 41:19, 44:31, 51:10, 51:16, 51:31, 51:34, 51:81-51:82, 51:93, 52:08, 54:26, 55:09, 55:22, 55:24, 58:27																				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Length of spec.	390	405	120	200	400	415	410	95	205	90	190	210	215	120	105	100	100	175	95	95
PCR product(s)										185		310	370	345		155	310	415	240	175
												425	400							215
																				345
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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*18:09, 37:01:01-37:01:09, 37:03N-37:04:02, 37:06-37:10, 37:13, 37:15-37:18, 37:20-37:22, 37:24-37:26, 37:30N-37:32, 37:35-37:36	1				6															
*18:37	1				5	7							15							
*18:43	1				5	7														
*18:49, 18:79, 37:05	1					7														
*18:54, 37:12, 37:19	1				6															
*18:67	1	2			6															
*35:01:30, 57:03:02, C*02:23, C*02:36													14							
*37:02, 47:04	1				6	8														
*37:14, 37:29, 47:03	1				5	6														
*37:23	1				6														20	
*37:27	1				6															
*37:28	1				6								15							
*37:33N	1				6															
*37:34		2			6															
*38:22									10									19		
*40:01:28										w										
*40:02:01-40:02:06, 40:02:08-40:02:09, 40:02:11-40:02:17, 40:04, 40:06:01:01-40:06:01:02, 40:06:03-40:06:06, 40:08, 40:70, 40:94, 40:97, 40:122, 40:142N-40:144N, 40:214	1				5	7					11									
*40:02:07, 40:06:02	1				5	7				11			14							
*40:09, 40:18, 40:24, 40:26, 40:28, 40:32-40:33, 40:42, 40:44, 40:52, 40:63, 40:71, 40:92, 40:98, 40:120, 40:131, 40:133Q, 40:159, 40:163, 40:174, 40:184, 40:187, 40:199	?				?	?														
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Length of spec.	390	405	120	200	400	415	410	95	205	90	190	210	215	120	105	100	100	175	95	95
PCR product(s)										185		310	370	345		155	310	415	240	175
												425	400							215
																				345
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

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*44:139	?					w														
*47:01:01-47:01:02, 47:06-47:08	1			4		6														
*47:05	1			4		6		8												
*48:01:01-48:01:03, 48:04, 48:07, 48:09, 48:11, 48:15-48:16, 48:18-48:20, 48:22, 48:24, 48:27-48:28											11				15			18		
*48:06, 81:01-81:06											11							18		
*48:21											11				15					20
*48:26								8							15					20
*82:01-82:03					5		7													
A*23:23																				
A*24:185N																				
C*07:05											10									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

INTERPRETATION TABLE																																							
HLA-B*27 SSP subtyping																																							
Amplification patterns of the B*27:01 to B*27:99 alleles																																							
Well ⁶																																							
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40																				
110	165	235	375	85	105	225	145	70	160	125	90	250	160	280	350	180	260	345	95	Length of spec.																			
160	195				145	290	325	105	240	160	370									PCR product(s)																			
	375				235	320		210																															
1070	800	800	1070	1070	1070	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	Length of int.																			
																				pos. control ¹																			
167	72	363	272	418	206	72	72	104	167	232	72	350	363	363	72	72	363	302	363	5'-primer(s) ²																			
5' -gCT ^{3'}	5' -gCT ^{3'}	5' -AAT ^{3'}	5' -CTC ^{3'}	5' -AgT ^{3'}	5' -gAC ^{3'}	5' -gCT ^{3'}	5' -gCT ^{3'}	5' -CTT ^{3'}	5' -gCT ^{3'}	5' -AgT ^{3'}	5' -gCT ^{3'}	5' -TCg ^{3'}	5' -AAT ^{3'}	5' -AAT ^{3'}	5' -gCT ^{3'}	5' -gCT ^{3'}	5' -AAT ^{3'}	5' -ggA ^{3'}	5' -AgC ^{3'}																				
704	363				367	363	454	209	351	363	369	351																											
5' -Tgg ^{3'}	5' -AAT ^{3'}				5' -TgA ^{3'}	5' -AAT ^{3'}	5' -ACT ^{3'}	5' -ggC ^{3'}	5' -CAA ^{3'}	5' -AAT ^{3'}	5' -TAC ^{3'}	5' -CAA ^{3'}																											
					454			363	367																														
					5' -ACT ^{3'}			5' -AAT ^{3'}	5' -TgA ^{3'}																														
287	97	559	362	463	272	221	227	272	286	317	274	559	482	603	251	83	583	362	418	3'-primer(s) ³																			
5' -TCA ^{3'}	5' -gTA ^{3'}	5' -CTC ^{3'}	5' -TAT ^{3'}	5' -gCT ^{3'}	5' -TgC ^{3'}	5' -ACC ^{3'}	5' -CTC ^{3'}	5' -TgC ^{3'}	5' -CTA ^{3'}	5' -ggA ^{3'}	5' -CTg ^{3'}	5' -CTC ^{3'}	5' -TgA ^{3'}	5' -gTg ^{3'}	5' -CCT ^{3'}	5' -TgC ^{3'}	5' -gTg ^{3'}	5' -TCC ^{3'}	5' -gTC ^{3'}																				
774	280				559	547	559	391	559	482	418																												
5' -ggT ^{3'}	5' -CTg ^{3'}				5' -CTC ^{3'}	5' -gTg ^{3'}	5' -CTC ^{3'}	5' -CCg ^{3'}	5' -CTC ^{3'}	5' -TgC ^{3'}	5' -gTC ^{3'}																												
	488																																						
	5' -CCA ^{3'}					5' -gCA																																	
	559																																						
5' -CgT ^{3'}																																							
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.																			
110	165	235	375	85	105	225	145	70	160	125	90	250	160	280	350	180	260	345	95	Length of spec.																			
160	195				145	290	325	105	240	160	370									PCR product(s)																			
	235				235	320		210																															
	375																																						
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.																			
																				HLA-B allele ^{4,5}																			

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																					*27:38
21	23																				*27:39
	23																				*27:40
	23																				*27:41
	23																				*27:42
																					*27:43
	23																				*27:44
	23																				*27:45
	23		25																		*27:46
																					*27:47
	23					28															*27:48
	23																				*27:49
	23																				*27:50
	23																				*27:51
	23			26																	*27:52
	23																				*27:53
	23							29													*27:54
	23								31												*27:56
	23				27																*27:57
	23				27																*27:58
	23								30												*27:59N
	23																				*27:60
	23																				*27:61
22																	38				*27:62
																					*27:63
	23			26		28															*27:64N
	23									31											*27:65N
21	23				27																*27:66N
	23							29													*27:67
21	23																				*27:68
21	23																				*27:69
										32								39			*27:70
22																					*27:71
	23			26					30												*27:72
	23								30			33									*27:73
	23							29													*27:74
																					*27:76
	23		25																		*27:78
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.	
110	165	235	375	85	105	225	145	70	160	125	90	250	160	280	350	180	260	345	95	Length of spec.	
160	195				145	290	325	105	240	160	370									PCR product(s)	
	235				235	320		210													
	375																				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.	
	23																			*27:79, 27:86	
	23											33								*27:80	
	23												34							*27:82	
	23													35						*27:83	
	23										32									*27:85	

		23																		*27:89
		23																		*27:91
		23																		*27:92
		23												36						*27:94N
		23													37					*27:97
																				*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 08:40, 08:79, 13:01:01-13:01:02, 13:01:04-13:02:15, 13:07N-13:09, 13:11, 13:13-13:23, 13:25, 13:27-13:33, 13:36 13:45, 13:47, 13:49N-13:50, 13:52, 13:54-13:61, 13:63N, 35:31, 35:88, 39:47, 39:50, 40:01:01-40:01:25, 40:01:27, 40:01:29, 40:07, 40:10:01-40:10:02, 40:16, 40:23, 40:40, 40:66, 40:72:01, 40:73, 40:77, 40:79, 40:138-40:140, 40:146-40:147, 40:150, 40:152-40:153, 40:155N, 40:186, 40:215, 41:19, 44:31, 51:10, 51:16, 51:31, 51:34, 51:81-51:82, 51:93, 52:08, 54:26, 55:09, 55:22, 55:24, 58:27
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.
110	165	235	375	85	105	225	145	70	160	125	90	250	160	280	350	180	260	345	95	Length of spec.
160	195				145	290	325	105	240	160	370									PCR product(s)
	235				235	320		210												
	375																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.

																				*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47:01-15:47:02, 15:54, 15:61-15:62, 15:64:01-15:64:02, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 15:242, 15:253, 15:259, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39:01-39:39:02, 39:49, 42:11, 44:40, 44:44, 44:130, 44:156, 48:02:01-48:02:03, 48:08, 48:17, 48:23, 48:25, 52:16, 55:18
										32								40		*07:28, 07:118, 08:14, 08:87, 44:54, 44:106, 44:135
																				*07:174
																				*08:100, 35:113, 39:62, 44:98, 46:27, 52:31
										32										*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 44:41:01, 44:65, C*02:07
																		39		*15:43, 38:17
			24																	*15:129
																				*15:201, 57:32
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																				*18:01:01:01-18:01:01:02, 18:01:03-18:01:18, 18:04-18:08, 18:10-18:15, 18:17N-18:24, 18:26-18:32, 18:34-18:36, 18:38-18:42, 18:44:01-18:48, 18:50-18:53, 18:55-18:66, 18:68-18:78, 18:80-18:83, 35:01:23, 35:42:01-35:42:02, 37:11, 40:02:10, 40:03, 40:05, 40:20, 40:39, 40:89, 47:02
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.
110	165	235	375	85	105	225	145	70	160	125	90	250	160	280	350	180	260	345	95	Length of spec.
160	195				145	290	325	105	240	160	370									PCR product(s)
	235				235	320		210												
	375																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.
																				*18:01:02, 18:03, 37:37
	22																38			*18:02

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																			*18:37	
22																			*18:43	
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																			*18:67	
																			*35:01:30, 57:03:02, C*02:23, C*02:36	
23	24																		*37:02, 47:04	
																			*37:14, 37:29, 47:03	
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						27													*37:27	
																			*37:28	
														36					*37:33N	
																			*37:34	
																			*38:22	
																			*40:01:28	
																			*40:02:01-40:02:06, 40:02:08-40:02:09, 40:02:11-40:02:17, 40:04, 40:06:01:01-40:06:01:02, 40:06:03-40:06:06, 40:08, 40:70, 40:94, 40:97, 40:122, 40:142N-40:144N, 40:214	
																			*40:02:07, 40:06:02	
																			*40:09, 40:18, 40:24, 40:26, 40:28, 40:32-40:33, 40:42, 40:44, 40:52, 40:63, 40:71, 40:92, 40:98, 40:120, 40:131, 40:133Q, 40:159, 40:163, 40:174, 40:184, 40:187, 40:199	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.
110	165	235	375	85	105	225	145	70	160	125	90	250	160	280	350	180	260	345	95	Length of spec.
160	195				145	290	325	105	240	160	370									PCR product(s)
	235				235	320		210												
	375																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.

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																				*44:20, 44:47, 44:100, 51:85, 52:26
																				*44:139
																				*47:01:01:01-47:01:02, 47:06-47:08
		23	24																	*47:05
																				*48:01:01-48:01:03, 48:04, 48:07, 48:09, 48:11, 48:15-48:16, 48:18-48:20, 48:22, 48:24, 48:27-48:28
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		23	24																	*48:21
		23	24																	*48:26
	22																			*82:01-82:03
				25																A*23:23
										31										A*24:185N
	22																			C*07:05
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Well No.

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