

HLA-A low screening 2020 7K3

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-A allele ^{1,2}	ser ³																								
*01:01:01:01-01:01:01:22, 01:01:24-01:01:47, 01:01:49-01:01:55, 01:01:57-01:01:64, 01:01:67-01:01:78, 01:01:80-01:04:01:02N, 01:06, 01:09:01:01-01:11N, 01:16N-01:18N, 01:20, 01:22N-01:25, 01:27N, 01:29, 01:31N-01:33, 01:35-01:42, 01:44-01:50, 01:52:01N-01:78, 01:80-01:94, 01:96-01:98, 01:100-01:120, 01:122-01:125, 01:127-01:135, 01:137-01:144, 01:146, 01:148, 01:150-01:158, 01:160N-01:166, 01:168-01:175, 01:177, 01:179N-01:191, 01:193, 01:195-01:199, 01:201-01:204, 01:206-01:207, 01:209-01:213, 01:215-01:227, 01:230-01:235, 01:237-01:243, 01:245-01:266:02, 01:268-01:270, 01:272-01:278, 01:280-01:288, 01:290N-01:297, 01:300, 01:302-01:313, 01:315-01:331N	A1, Null, -		1		4																				
*01:01:23, 01:01:48, 01:01:65-01:01:66, 01:01:79, 01:08, 01:14, 01:30, 01:79, 01:99, 01:145, 01:147Q, 01:149, 01:159, 01:167, 01:178N, 01:205, 01:208Q, 01:214, 01:228Q, 01:236, 01:267, 01:271, 01:279, 01:314	A1, Null, -		1																						
*01:01:56	-	1			4								12												
*01:07, 01:95, 01:289	A1, -	1			4													17							
*01:12, 01:19, 01:200, 01:244	A1, -	1		3																					
*01:13, 01:176	A1, -	1			4							11		13		15									
*01:15N	Null	1			w																				
*01:21, 01:126	A1, -	1		3	4																				
*01:26, 01:136, 01:192, 11:94, 11:112, 11:211, 11:290, 11:326 ⁴	A1, -	1			4							11													
*01:28, 01:229, 01:299, 11:282 ⁴	-	1			4							11				15									
*01:43, 11:271 ⁴	-	1			4							10													
*01:51	-	1			4				8		10														
*01:121	-	1			4															19					
*01:194	-	1			4									13		15									
*01:298	-	1			4					9								17							
*01:301Q	-	1			4	5		7																	
*02:01:01:01-02:01:15, 02:01:17-02:01:19, 02:01:21-02:01:81, 02:01:83-02:16, 02:17:02:02, 02:18-02:22:02, 02:24:01-02:33, 02:36-02:45, 02:47, 02:49:01-02:54, 02:57-02:61, 02:63-02:64:02, 02:66-02:69, 02:71-02:77, 02:79:01-02:80, 02:82N-02:97:02, 02:99:01-02:99:02, 02:101:01-02:102, 02:104-02:123, 02:125N-02:128, 02:130-02:134, 02:136-02:148, 02:150:01-02:168, 02:170-02:236, 02:238-02:242, 02:244-02:308, 02:310-02:337, 02:339-02:406, 02:408-02:448, 02:450-02:453, 02:455-02:526, 02:528:01-02:570:02, 02:572-02:575, 02:577-02:579, 02:581, 02:583-02:643N, 02:645-02:650, 02:652-02:670, 02:672Q-02:681, 02:683-02:740, 02:742-02:803N, 02:805Q-02:808, 02:810-02:814, 02:816-02:828, 02:830-02:841, 02:843-02:899	A2, Low A2, A203/A2, A210/A2, A2/blank, Null		2																						
*02:17:02:01, 02:17:03-02:17:04	A2, -		2					w																	
*02:34-02:35:01, 02:35:03, 02:56:01-02:56:02, 02:62, 02:103, 02:580	A2, -		2											13							20		22		
*02:35:02	A2													13							20		22		
*02:46, 02:70	A2		2																		20		22		
*02:48, 02:129, 02:571	A2, -																				20		22		
*02:55	A2/A28		2						8													21		23	
*02:65, 02:407, 02:449	A2/A19, -		2																	19					
*02:78	-		w		4																20		22		
*02:81, 02:124	A2		2							9															
*02:135	-		2											13											
*02:149, 02:842	-		2																			21			
*02:169	-		2		4																				
*02:237, 02:809	-		2												14		16								23
*02:243:01-02:243:03	-		2																		18		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

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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
*02:309	-		2										12	14								21			
*02:338	-		2	3																					
*02:454	-		2										12	14											
*02:527, 02:582	-		2					8																	
*02:576, 02:682	-		2																				22		
*02:644	-							8	10													21			
*02:651	-		2																		20				
*02:671	-		2																					23	
*02:741	-		2						8					13							20	21	22		
*02:804	-		2					7																	
*02:815	-		2						8													21			
*02:829	-				4					9															
*03:01:01:01-03:01:18, 03:01:20-03:01:22, 03:01:24-03:01:37, 03:01:39-03:01:82, 03:01:84-03:07:02, 03:09-03:11N, 03:13-03:14, 03:16-03:17:02, 03:20-03:23:02, 03:25-03:29, 03:31, 03:33-03:35, 03:37-03:40, 03:42, 03:44:01-03:49, 03:51:01-03:56, 03:58, 03:60-03:62:01:02, 03:64-03:71, 03:73-03:74, 03:76-03:81, 03:83-03:87, 03:90-03:94, 03:96-03:103:01, 03:104-03:106, 03:109-03:110, 03:112-03:123:01, 03:124-03:134, 03:136-03:141, 03:143-03:151, 03:153-03:170, 03:174-03:175, 03:179-03:185, 03:188-03:193, 03:195-03:197N, 03:201-03:202, 03:204, 03:206-03:210, 03:212-03:214, 03:216-03:218, 03:220-03:224, 03:226-03:230, 03:231-02-03:245, 03:247-03:248, 03:250-03:251, 03:253-03:259, 03:261-03:266N, 03:268-03:272, 03:274-03:281, 03:283N-03:321, 03:323N-03:329N, 03:331-03:342N, 03:344-03:346, 03:348-03:374N	A3, A3/blank, Null, -			3										13											
*03:01:19, 03:103:02	-			3									12	13											
*03:01:23, 03:01:83, 03:08:01:01-03:08:01:02, 03:36N, 03:57, 03:59, 03:72, 03:89:01-03:89:02, 03:107-03:108, 03:111, 03:142, 03:172-03:173, 03:176, 03:178N, 03:198-03:199, 03:203, 03:205, 03:211, 03:252, 03:267, 03:330N	A3, Null, -			3																					
*03:01:38, 03:123:02, 03:171, 03:231:01	-			3										13	14										
*03:12	A3			3	4																				
*03:15, 03:19, 03:30	A3			3		5								13											
*03:18, 03:135	-	1			4									13											
*03:24, 03:50	A3, -			3					8					13											
*03:32, 03:219	-			3														17							
*03:41	-			3																				23	
*03:43, 03:82, 03:186	-			3										13	15		17								
*03:63	-			3								11		13											23
*03:75, 03:177	-													13											23
*03:88	-			3	4																				23
*03:95, 03:343	-													13	14		16								23
*03:152, 03:273	-			3		5												17							
*03:187	-													13										22	
*03:215, 03:225, 03:249, 03:322, 25:46 ⁴	-													13											
*03:246, 03:282	-			3										13						19					
*03:347	-					5		7						13											23
*11:01:01:01-11:02:06, 11:04-11:09, 11:12-11:16, 11:18-11:19, 11:21N-11:24:02, 11:26-11:27, 11:29-11:39, 11:41-11:52Q, 11:54:01-11:59, 11:61-11:93, 11:95-11:111, 11:114-11:115N, 11:117-11:129, 11:131-11:138, 11:141-11:154, 11:156-11:157, 11:159-11:161, 11:163-11:165, 11:167-11:174, 11:176-11:182Q, 11:184-11:190, 11:192-11:198, 11:200-11:208N, 11:210N, 11:212-11:221, 11:224-11:225, 11:227-11:268, 11:270, 11:272Q-11:281, 11:283-11:289, 11:291-11:305, 11:307-11:324, 11:327-11:334, 11:336-11:347N, 11:349-11:354	A11, Null, -				4							11													

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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
*11:03, 11:20, 11:25:01-11:25:02, 11:60, 11:158, 11:175, 11:209, 11:348	A11, -			3	4							11													
*11:10, 11:191, 11:269	A11, -				4				8			11													
*11:11, 34:19 ⁴	-				4							11	12												
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
*11:17, 11:40, 11:223	-				4						10	11													
*11:113, 11:162	-				4							11			15										
*11:116, 11:140, 11:199:01-11:199:02, 11:222, 66:23 ⁴	-				4							11		13											
*11:130	-			3	4							11		14										23	
*11:139	-				4	5		7				11													
*11:155	-				4							11											22		
*11:166	-				4		6					11													
*11:183	-			3	4				8			11													
*11:226	-	1			4							11											22		
*11:306	-				4							11					16								
*11:325	-				4	5						11													
*23:01:01:01-23:13, 23:15-23:56, 23:58-23:63, 23:65, 23:67-23:68, 23:70-23:98, 23:100-23:102	A23 Null, -					5	6																		
*23:14:01-23:14:02, 24:24, 24:71, 24:315, 24:392 ⁴	A23, -, A9, A24					5	6	7																	
*23:57	-					5																21			
*23:64	-					5	6											17							
*23:66, 23:99, 24:14:01:01-24:15, 24:51-24:53, 24:57, 24:64, 24:94, 24:114, 24:138, 24:188, 24:222N, 24:228, 24:291, 24:296, 24:304, 24:316, 24:324, 24:412, C*04:01:03 ⁴	A24, Null, Cw4, -					5																			
*24:02:01:01-24:11N, 24:13:01-24:13:02, 24:17, 24:20:01:01-24:23, 24:25-24:43, 24:45N-24:50, 24:54-24:56, 24:58-24:63, 24:66-24:70, 24:72-24:81, 24:83N-24:91, 24:93, 24:95-24:103, 24:105-24:113, 24:115-24:137, 24:139-24:187, 24:189-24:203, 24:205-24:210, 24:212, 24:214-24:221, 24:223-24:227, 24:229-24:242, 24:244-24:290, 24:292-24:295, 24:297-24:303N, 24:305-24:314, 24:317-24:323N, 24:325-24:391, 24:393-24:411, 24:413-24:457, 24:459-24:470, 24:472-24:477	A24, Low A24, A2403/A24, A9, A24/A9, Null, -					5		7																	
*24:18, 24:204, 24:213	A24/A3, -					5		7																23	
*24:19, 24:44	A9					5		7			11														
*24:82	-					5		7											18			21			
*24:92, 24:458	-			3		5																			
*24:104, 24:243	-					5		7										17							
*25:01:01:01-25:02, 25:04, 25:07-25:16, 25:18-25:29, 25:31-25:33, 25:35, 25:37-25:42N, 25:44-25:45, 25:47-25:49N, 25:51, 25:53, 25:55-25:58, 25:60-25:64	A25, Null, -								8	9				13											
*25:03	A25								8	9				13				17							
*25:05	A25								8	9		12	13									20			
*25:06	A25								8	9		12													
*25:17, 25:34, 25:54	-									9				13											
*25:30	-								8	9				13				17				21			
*25:36, 25:50, 25:52	-								8	9															
*25:43	-				4				8	9															
*25:59	-	1			4						10											20			
*26:01:01:01-26:01:47, 26:01:49-26:01:62, 26:08:01:01-26:08:03, 26:10-26:15, 26:17-26:18, 26:20, 26:23-26:28, 26:31-26:43:02, 26:45-26:48, 26:50-26:53, 26:55-26:56, 26:58-26:63, 26:65-26:71N, 26:73-26:74, 26:76-26:77, 26:79-26:88, 26:90, 26:93-26:110, 26:112-26:119, 26:121, 26:123-26:151, 26:153-26:176, 26:178-26:183, 26:185-26:192, 26:194	A26, A10, Null, -								8		10			13											
*26:01:48, 26:07:01-26:07:02, 26:64, 26:89	A26, -										10			13											
*26:01:63, 26:57, 66:12, 66:15 ⁴	-								8					13											
*26:02:01-26:02:02, 26:29, 26:49	A26, -								8		10			w											
*26:03:01:01-26:03:01:02, 26:06, 26:21, 26:111	A26, -								8			11		13										23	

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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
*26:04, 26:75	A26, -								8	10															
*26:05, 26:30	A26								8					13										23	
*26:09, 26:91	A26, -								8	10	12														
*26:16	A26						7			10				13											
*26:19	-				4					10				13	14										
Well No.																									
*26:22	A26									8	10			13	14							21			
*26:54	-								8	10	12			13							20				
*26:72, 26:184	-				4					10				13											
*26:78	-								8															23	
*26:92	-										11			13											
*26:120	-	1							8	10				13											
*26:122	-								8	10				13							20				
*26:152, 26:193	-								8	10	11			13											
*26:177	-										11			13				18			21	23			
*29:01:01-01-29:06, 29:08N-29:12, 29:15-29:27, 29:29-29:38, 29:40-29:47, 29:50-29:66, 29:68-29:79, 29:81-29:97, 29:99-29:104, 29:106-29:140	A29, Null, -													14											
*29:07, 29:49	A29, -					5	6							14											
*29:13, 29:39, 29:98	-													14			17								
*29:14	-													14	16										
*29:28	-								8					14											
*29:48	-													14			18								
*29:67	-				4									14											
*29:80	-													14								21			
*29:105	-									10				14			18								
*30:01:01-01-30:04:03, 30:06-30:07, 30:09-30:20, 30:22-30:54, 30:56-30:88, 30:90-30:124, 30:126-30:139, 30:141-30:149, 30:151-30:161, B*07:260 ⁴	A30, Null, -													15											
*30:08:01-30:08:02, 30:150	A30, -				4									15											
*30:55	-													13	15										
*30:89	-													15	17										
*30:125, 30:140	-										11			15											
*31:01:02-01-31:02:02, 31:05-31:07, 31:09-31:20, 31:22-31:23, 31:26-31:28, 31:30-31:34, 31:36-31:40, 31:42-31:61, 31:63-31:84, 31:86-31:108, 31:110-31:122, 31:124-31:167	A31, Null, -													16											
*31:03-31:04:01:01	A31		w										12	14	16										
*31:04:01:02	-		3										12	14	16										
*31:08, 33:53 ⁴	A31/A24, -				5									16	18										
*31:21	-													16	17										
*31:24-31:25	-												13	16											
*31:29	-				5	6								16											
*31:35	-													15	16	17									
*31:41	-													16							21				
*31:62	-													16								22			
*31:85	-													16											
*31:109, 33:125, 33:131 ⁴	-													16	18										
*31:123	-											12		14	16										
*32:01:01-01-32:02, 32:07-32:14, 32:16-32:25, 32:27N-32:37, 32:39-32:41, 32:43:01-32:59, 32:61, 32:63, 32:65-32:70, 32:73-32:77, 32:81-32:92N, 32:94-32:106:01:02, 32:108-32:127, 32:129-32:133N	A32, Null, -									9							17								
*32:03:01-01-32:03:01:02, 32:38, 32:60, 32:71, 32:78, 32:80, 32:107	A32, -																17								
*32:04	A32/A3		3							9							17								
*32:05, 32:79	A32, -					5										16	17	18							
*32:06	A32									9							17				21				
*32:15	A32								8	9							17	18							
*32:26:01-32:26:02	-									9				13			17								
*32:42	-									9				14			17								
*32:62	-									9							17	19							
*32:64	-				4					9							17								
*32:72	-						6			9							17								
*32:93	-									9							17	18							
*32:128	-									9						16	17								

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*74:01:03	-											12							19						
*74:04, 74:21	A74, -																	18	19						
*74:07, 74:33	A74, -																	17	19						
*74:13	-												13				16		19						
*74:19	-				4														19						
*74:23	-			3															19						
*74:30	-										11								19						
*74:35	-																		19	21					
*74:37	-												13						19						
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
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
*80:01:01:01-80:01:02, 80:03, 80:05-80:06	A80, -						6																		23
*80:02	-						6				11														
*80:04	-						6											17							23
B*07:81, B*08:52, B*18:67, B*38:41, B*38:67, B*51:185, B*53:05:01-53:05:02, B*53:16, B*53:33, B*57:01:38, B*57:60	B53, -									9															
B*18:27	-						6																		
B*40:359, B*55:96, B*57:65, C*04:31, C*06:137, C*07:569	-																							22	
C*03:365, C*12:131	-				4																				
C*06:187	-																								23
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

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