Gel Documentation Form and Worksheet

HLA-B\*07 (101.512-24/03, -24u/03u) Lot No: 4F6 Expiry Date: 2020-03-01

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sample ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DNA Conc.(ng/ul):\_\_\_\_\_\_\_\_\_

Test Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tested By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reviewed By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Interpretation:\_\_\_\_\_\_\_\_\_\_\_ Failed lanes: \_\_\_\_\_\_\_\_\_\_\_ Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

**Gel Picture**

|  |
| --- |
| PHOTO DOCUMENT |







‘ICB’ Internal Control Band,

‘AmpS’ Amplicon Size

**Notes:**

Product sizes are approximate. For detailed information, see the lot-specific Specificity Table and Interpretation Table.

This table is intended as a guide. For interpretation always use the Interpretation Table and/or Specificity Table.

HLA-specific PCR products shorter than 125 base pairs have a lower intensity and are less sharp than longer PCR products.

Primer mixes 21, 24, 33, 54, 56, 58, 69 and 73 have a tendency giving rise to primer oligomer formation.

Primer mixes 11, 39, 67 and 81 may give rise to a lower yield of HLA-specific PCR product than the other B\*07 primer mixes.

Primer mixes 14, 28, 29, 35, 38, 40, 44, 52, 53, 56, 69 and 76 may have tendencies of unspecific amplifications, most pronounced in primer mix 29.

Primer mix 25 may give rise to unspecific amplification in B\*73 alleles.

Primer mix 32 may give rise to a faint band in many B\*14, B\*37, C\*04, C\*05, C\*08 and C\*18 alleles.

Primer mix 71 may give rise to an unspecific amplification product of approx. 900 bp in some HLA-B alleles. This band should be disregarded in the interpretatation of HLA-B\*07 typings.

Primer mix 89 contains a negative control, which will amplify more than 95% of HLA amplicons as well as the amplicons generated by the control primer pairs matching the human growth hormone gene. HLA-specific PCR product sizes range from 75 to 200 base pairs and the PCR product generated by the HGH positive control primer pair is 430 base pairs.

   



 









  















**1**HLA-B\*07 alleles in bold lettering are listed as confirmed alleles on the IMGT/HLA web page [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), release 3.27.0, January 2017.

**2**Alleles that have been deleted from or renamed in the official WHO HLA Nomenclature up to and including the last IMGT/HLA database release can be retrieved from web page <http://hla.alleles.org/alleles/deleted.html>.

**3**The following HLA-B\*07 primer mixes have two or more product sizes:

|  |  |  |  |
| --- | --- | --- | --- |
| Primer Mix | Size of spec. PCR product | Amplified HLA-B\*07 alleles | Other amplified HLA Class I alleles |
|  **7** | 100 bp 215 bp | \*07:04, 07:25, 07:52, 07:146 \*07:29, 07:186  | \*40:136, 40:231, 40:279, 41:08, 42:05:01-42:05:02\*08:123, 08:132, **C\*07:335** |
|  **8** | 160 bp 235 bp | \*07:59\*07:05:01:01-07:06:02, 07:32, 07:34, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 07:182N, 07:201N, 07:206-07:207, 07:209-07:210, 07:213-07:214, 07:222, 07:249, 07:258, 07:262, 07:264, 07:269-07:270, 07:278, 07:283, 07:287 | \*08:79, 27:125, 38:63, 40:01:01-40:01:20, 40:01:22-40:01:25, 40:01:27, 40:01:29-40:01:31, 40:01:33-40:01:49, 40:07, 40:10:01:01-40:10:02, 40:12, 40:14:01-40:16, 40:21-40:23, 40:25, 40:30, 40:34, 40:36, 40:38, 40:43, 40:45-40:49, 40:54-40:55, 40:61-40:63, 40:65-40:67, 40:69, 40:72:01-40:74, 40:76-40:77, 40:79-40:81, 40:84, 40:87:01-40:88, 40:100-40:102, 40:106, 40:108, 40:112-40:114:02, 40:116-40:118N, 40:121, 40:123, 40:125-40:126, 40:128, 40:132, 40:134-40:141, 40:146-40:147, 40:149-40:156, 40:158, 40:160:01-40:160:02, 40:166, 40:168, 40:170-40:171, 40:175, 40:179, 40:182-40:183, 40:185-40:186:02, 40:188, 40:191-40:199, 40:204, 40:207-40:208, 40:210, 40:212-40:213, 40:215-40:218, 40:221-40:223, 40:227-40:228, 40:231, 40:233-40:242, 40:245, 40:247, 40:249-40:253, 40:257-40:265N, 40:272-40:273, 40:277-40:279, 40:281-40:282, 40:285-40:286N, 40:288, 40:298-40:301, 40:308, 40:310, 40:312, 40:315-40:316, 40:319, 40:321, 40:323-40:329, 40:332-40:333, 40:338N-40:339, 40:344, 40:346, 41:08, 42:05:01-42:05:02, 44:31, 48:01:01-48:01:06, 48:03:01-48:03:02, 48:05-48:07, 48:09-48:12, 48:14-48:16, 48:18-48:22, 48:28-48:41, 81:01-81:08 |
| **10** | 285 bp 420 bp | \*07:07, 07:12, 07:14, 07:18:01-07:18:02, 07:77, 07:137, 07:162-07:163, 07:193, 07:214, 07:248, 07:255\*07:47, 07:81  | \*15:138, 15:230, 15:241, 15:297, 18:35, 18:110, 27:125, 38:63, 40:01:01-40:01:17, 40:01:19-40:01:49, 40:07, 40:10:01:01-40:10:02, 40:12, 40:14:01-40:14:03, 40:21-40:23, 40:25, 40:33, 40:36, 40:38, 40:42-40:43, 40:46-40:49, 40:52, 40:54-40:55, 40:59-40:63, 40:65-40:67, 40:69, 40:72:01-40:74, 40:76-40:77, 40:79, 40:81, 40:84, 40:87:01-40:88, 40:100-40:102, 40:106, 40:108, 40:112-40:114:02, 40:116-40:118N, 40:121, 40:123-40:126, 40:128, 40:132, 40:134-40:141, 40:146-40:147, 40:149-40:156, 40:158, 40:160:01-40:160:02, 40:166, 40:168, 40:170-40:172, 40:175, 40:179, 40:182-40:183, 40:185-40:188, 40:191-40:199, 40:204, 40:207-40:208, 40:210, 40:212-40:213, 40:215-40:218, 40:221-40:223, 40:227-40:228, 40:231, 40:234-40:242, 40:245, 40:247, 40:249-40:253, 40:257-40:265N, 40:272-40:273, 40:277-40:282, 40:285-40:286N, 40:288, 40:299-40:301, 40:308, 40:310, 40:312, 40:315, 40:319, 40:321, 40:323-40:329, 40:332-40:333, 40:338N-40:339, 40:344, 40:346, 40:352, 41:08, 44:31, 44:150, 46:06, 48:03:01-48:03:02, 48:17 48:23, 48:40, **C\*02:23, C\*03:260, C\*04:77, C\*07:38:01-07:38:02**\*08:52, 38:41, 40:109?, 40:292?, 48:18 |
| **11** | 130 bp 210 bp | \*07:39\*07:08:01-07:08:02, 07:10, 07:32, 07:38, 07:132, 07:207, 07:228:01-07:228:02 | \*08:94, 18:07:01-18:07:02, 18:29, 18:79, 27:01-27:05:08, 27:05:10-27:11, 27:13-27:15, 27:17, 27:19-27:21, 27:23-27:28, 27:30-27:76, 27:78-27:84, 27:86-27:91, 27:93-27:100, 27:102-27:105, 27:107-27:118, 27:120-27:128, 27:130-27:145, 27:147-27:152, 27:154-27:156, 27:158-27:161, 35:50, 35:84, 35:162, 35:197, 35:231, 35:267, 35:269, 37:21, 37:60, 38:06-38:07, 39:58, 39:83, 40:08, 40:13, 40:68, 40:162, 40:220, 40:232, 48:06, 48:31, 51:57, 51:103, 51:116, 53:21, 73:01-73:02 |
| **13** | 85 bp 290 bp | \*07:31, 07:34, 07:43\*07:12, 07:14, 07:18:01-07:18:02, 07:137, 07:162-07:163, 07:199, 07:225, 07:227, 07:248  | \*18:110, 40:199, 41:08, 42:05:01-42:05:02, 48:37, **C\*07:38:01-07:38:02**\*15:297, 40:30, 40:34, 40:59, 40:137, 40:160:01-40:160:02, 44:150, 48:17, **C\*03:260** |
| **15** | 385 bp 420 bp | \*07:54, 07:123\*07:11, 07:47, 07:57, 07:75, 07:240, 07:253  | \*45:06\*08:17, 08:47, 39:20, 39:124, 42:15 |
| **16** | 205 bp230 bp | \*07:132\*07:16, 07:27, 07:37-07:38, 07:50, 07:75, 07:91, 07:180, 07:207, 07:219, 07:228:01-07:228:02 | \*13:14, 13:83, 14:14, 15:68, 15:71, 15:175, 15:381, 18:01:01:01-18:01:01:06, 18:01:03-18:01:12, 18:01:14-18:01:22, 18:01:24-18:02, 18:05-18:15, 18:17N-18:24, 18:26-18:67, 18:69, 18:71-18:93, 18:95-18:106, 18:108-18:124, 18:126-18:131, 18:133-18:134, 27:01, 27:18, 27:23, 27:29, 27:44, 27:92, 27:119, 27:131, 35:50, 35:84, 35:162, 35:197, 35:231, 35:267, 35:269, 37:01:01-37:36, 37:38-37:54, 37:56-37:59, 37:61-37:65, 38:01:01-38:02:07, 38:04, 38:06-38:12, 38:15-38:25, 38:27-38:32, 38:34N-38:40, 38:42-38:66, 39:05:01-39:05:02, 39:07-39:08, 39:11, 39:13:01-39:13:02, 39:20, 39:37, 39:49, 39:55-39:56, 39:113, 39:118, 40:02:01:01-40:06:14, 40:06:16, 40:08-40:09, 40:11:01-40:11:02, 40:13, 40:18-40:20, 40:24, 40:26-40:29, 40:35:01-40:35:02, 40:37, 40:39-40:40, 40:44, 40:56, 40:64, 40:68, 40:70:01-40:71, 40:74-40:75, 40:78, 40:82-40:83, 40:85-40:86, 40:89-40:91, 40:93-40:99, 40:103-40:105, 40:107, 40:109, 40:111, 40:115, 40:119-40:120, 40:122, 40:127, 40:131, 40:133Q, 40:142N-40:145, 40:148-40:149, 40:157, 40:159, 40:161-40:162, 40:165, 40:167, 40:169, 40:173-40:174, 40:176-40:177, 40:180-40:181, 40:184, 40:189-40:190, 40:200-40:203, 40:205-40:206, 40:209-40:211, 40:214, 40:220, 40:224-40:226, 40:229, 40:232, 40:243-40:244, 40:246, 40:248, 40:254-40:255, 40:266-40:271, 40:274-40:276, 40:283-40:284, 40:287, 40:289-40:297, 40:302-40:307, 40:309, 40:311, 40:313-40:314, 40:317, 40:320, 40:322, 40:330-40:331, 40:334-40:335, 40:337N, 40:340-40:341, 40:343, 40:345N, 40:347-40:351, 42:11, 44:103, 44:130-44:131, 44:212, 44:224, 48:01:01-48:21, 48:23-48:41, 49:31, 50:43, 51:57, 51:103, 51:116, 53:21, 57:10, 81:08 |
| **17** | 345 bp 425 bp | \*07:46\*07:11, 07:27, 07:57, 07:75, 07:236, 07:240, 07:253 | \*08:17, 08:47, 08:126, 08:131, 08:139, 38:17, 39:20, 39:124, 42:15 |
| **19** | 205 bp 250 bp 295 bp | \*07:20, 07:35, 07:140, 07:153\*07:20, 07:140, 07:153\*07:35  | \*15:14, 15:91, 15:131, 15:161, 18:56, 35:45, 35:71, 35:169, 35:309, 40:132, 40:178, 44:10, 44:14, 44:17, 44:31, 44:43:01-44:43:02, 44:45, 44:51, 44:62, 44:77, 44:82, 44:107, 44:123, 44:135, 44:184, 44:213, 44:230, 45:09, 45:14, 46:17, 51:23, 51:108, 52:15, 53:22, 57:07, 58:07, 82:01-82:03\*44:54, 44:106, 44:135, 44:158, 44:184, 44:213 |
| **20** | 160 bp 205 bp 275 bp | \*07:59\*07:51, 07:220, 07:226\*07:21  | **\***08:143, **C\*07:294, C\*07:526, C\*07:530, C\*08:08:01-08:08:02** |
| **21**  | 100 bp 165 bp | \*07:52\*07:22:01-07:22:02 |  |
| **23** | 85 bp270 bp | \*07:20, 07:24, 07:131, 07:220, 07:223 \*07:272N | \*15:230, 15:297, 40:63, 40:324, **C\*03:260** |
| **25** | 305 bp 425 bp | \*07:117\*07:27, 07:236, 07:240  | \*40:250\*08:126, 08:131, 08:139, 38:17, 40:188? |
| **26** | 95 bp 205 bp 235 bp 290 bp | \*07:28, 07:118 \*07:51, 07:220, 07:226 \*07:20, 07:24, 07:60, 07:100, 07:131, 07:220, 07:223 \*07:42 | **\***08:14, 08:87, 27:32, 40:180, 44:54, 44:106, 44:135\*08:143, **C\*07:294, C\*07:526, C\*07:530,** **C\*08:08:01-08:08:02****\***08:21, 08:25, 08:175, 15:07:01-15:07:03, 15:45, 15:55, 15:68, 15:126, 15:197:02, 15:207, 15:324, 15:329, 15:331, 15:360, 15:383, 15:405, 35:05:01-35:05:03, 35:22, 35:51, 35:58, 35:72, 35:89, 35:97, 35:114, 35:199, 35:232, 40:05:01:01-40:05:01:02, 40:71, 40:174, 44:54, 44:106, 44:135, 44:158, 44:184, 44:213, 46:12, 51:64, 51:148, 53:14, 55:51, 58:18, **C\*03:05, C\*03:25, C\*03:27, C\*03:167, C\*03:296, C\*03:335** |
| **27** | 165 bp 215 bp | \*07:41\*07:29, 07:186  | \*08:123, 08:132, **C\*07:335** |
| **29**  | 85 bp 200 bp | \*07:31, 07:34, 07:43 \*07:44N | \*18:110, 40:199, 41:08, 42:05:01-42:05:02, 48:37, **C\*07:38:01-07:38:02** |
| **31** | 215 bp 280 bp | \*07:55, 07:100 \*07:19, 07:33:01-07:33:03, 07:53, 07:60, 07:100 | \*08:70, 15:07:01-15:07:03, 15:45, 15:68, 15:126, 15:207, 15:324, 15:331, 15:405, 46:12, 48:19, **C\*02:60**\*08:103, 08:134, 08:175, 13:71, 14:05, 14:13, 14:53, 15:07:01-15:07:03, 15:45, 15:55, 15:68, 15:126, 15:197:02, 15:207, 15:324, 15:329, 15:331, 15:360, 15:383, 15:405, 15:421, 18:14, 27:07:01-27:07:05, 27:11, 27:24, 27:32-27:34, 27:43, 27:138, 35:05:01:01-35:05:03, 35:22, 35:31, 35:51, 35:58, 35:72, 35:89, 35:97, 35:114, 35:199, 35:232, 37:09, 38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 39:76, 39:120, 40:02:01:01-40:03, 40:05:01:01-40:05:01:02, 40:08-40:09, 40:13, 40:18-40:19, 40:24, 40:27:01-40:27:02, 40:29, 40:35:01-40:35:02, 40:37, 40:39-40:40, 40:50, 40:56-40:58, 40:71, 40:78, 40:82, 40:85, 40:89-40:91, 40:94, 40:97, 40:104-40:105, 40:107, 40:111, 40:115, 40:119, 40:122, 40:133Q, 40:142N-40:145, 40:157, 40:164, 40:169, 40:173-40:174, 40:176, 40:180-40:181, 40:189, 40:200-40:203, 40:205-40:206, 40:209, 40:211, 40:214, 40:219-40:220, 40:224, 40:226, 40:229, 40:232, 40:246, 40:248, 40:254-40:255, 40:266-40:267, 40:271, 40:274, 40:276, 40:283-40:284, 40:287, 40:289-40:293, 40:296-40:297, 40:302-40:305, 40:309, 40:314, 40:320, 40:322, 40:331, 40:334-40:335, 40:337N, 40:345N, 40:347, 42:08, 44:54, 44:106, 44:135, 44:158, 44:184, 44:213, 46:12, 48:04:01-48:04:02, 48:13, 48:24, 51:64, 51:81, 51:148, 53:14, 55:04, 55:49, 55:51, 58:18, 58:27, **C\*02:60, C\*03:05, C\*03:25, C\*03:27, C\*03:167, C\*03:296, C\*03:335, C\*07:526, C\*07:530, C\*08:08:01-08:08:02** |
| **33**  | 90 bp 350 bp | \*07:149\*07:61  | \*08:02, 08:117, 13:36, 15:89, 15:115, 18:09, 38:02:01-38:02:06, 38:08, 38:15, 38:18, 38:23, 38:29, 38:35, 38:43-38:50, 38:62, 38:64, 44:12, 44:232, 44:263, 51:54, 51:78:01-51:78:02, 53:09, 53:11-53:13, 53:31, 53:36, 56:07, 59:08 |
| **35**  | 105 bp 215 bp | \*07:63\*07:143  | \*27:157, 40:166, 42:02:01:01-42:02:01:02, 42:09, 42:17-42:18, 45:06, 54:02, 55:16, 56:35 |
| **36** | 175 bp 250 bp | \*07:167N, 07:201N, 07:285N\*07:64 |  |
| **38** | 190 bp 215 bp | \*07:103, 07:113\*07:66  | \*08:64 |
| **40** | 265 bp 395 bp | \*07:56:01-07:56:02, 07:72, 07:206 \*07:83 | \*08:26:01-08:26:03, 08:56:01-08:56:02, 14:54, 38:28, 39:63, 40:21?, 40:58?, 40:137?, 40:248?, 40:282?, 40:325?, 40:351, 41:12, 41:36, 42:21, 49:03 |
| **41** | 400 bp 425 bp | \*07:58\*07:156 |  |
| **42** | 195 bp 225 bp | \*07:67N\*07:71 |  |
| **43** | 185 bp270 bp | \*07:68:01-07:68:03, 07:214, 07:237, 07:262 \*07:272N | \*15:138, 15:230, 15:241, 15:297, 18:35, 18:110, 35:66, 40:77, 40:87:01-40:87:02, 40:121, 40:158, 40:222, 40:237, 44:150, 48:12, 48:14, 48:26, 48:29 |
| **48** | 200 bp 280 bp | \*07:76\*07:77, 07:193  | \*40:60, 40:245, **C\*07:38:01-07:38:02** |
| **50** | 75 bp 105 bp 165 bp | \*07:74 \*07:175 \*07:87 | \*08:77, 48:27\*15:126 |
| **51** | 345 bp 470 bp | \*07:97\*07:93 | \*08:114, 39:100\*08:39, 38:27 |
| **54** | 160 bp185 bp | \*07:238\*07:98, 07:167N, 07:201N |  |
| **56**  | 220 bp235 bp | \*07:45\*07:20, 07:24, 07:60, 07:100, 07:131, 07:220, 07:223 | \*08:21, 08:25, 08:175, 15:07:01-15:07:03, 15:45, 15:55, 15:68, 15:126, 15:197:02, 15:207, 15:324, 15:329, 15:331, 15:360, 15:383, 15:405, 35:05:01-35:05:03, 35:22, 35:51, 35:58, 35:72, 35:89, 35:97, 35:114, 35:199, 35:232, 40:05:01:01-40:05:01:02, 40:71, 40:174, 44:54, 44:106, 44:135, 44:158, 44:184, 44:213, 46:12, 51:64, 51:148, 53:14, 55:51, 58:18, **C\*03:05, C\*03:25, C\*03:27, C\*03:167, C\*03:296, C\*03:335** |
| **57** | 150 bp 215 bp | \*07:109\*07:70 |  |
| **58** | 245 bp 440 bp | \*07:112\*07:79 |  |
| **59** | 100 bp 190 bp | \*07:115, 07:182N, 07:246\*07:89, 07:113  | \*08:69, 14:05, 38:19, 39:03, 39:24:01-39:24:02, 39:37, 39:76, 39:120, 40:71, 40:314, 41:18, 42:06, 42:20, 48:07, **C\*08:08:01-08:08:02****\***08:64 |
| **61** | 205 bp 420 bp | \*07:88\*07:105 |  |
| **63** | 65 bp 230 bp | \*07:94 \*07:135N | **\***67:04, **C\*02:120, C\*03:124, C\*04:49, C\*05:15, C\*07:262, C\*07:417, C\*07:475, C\*12:95** |
| **65** | 385 bp 450 bp | \*07:54, 07:123\*07:111N  | \*45:06 |
| **68** | 335 bp 365 bp 415 bp | \*07:148 \*07:101\*07:13, 07:15, 07:160  | \*40:193?\*08:16, 08:123, 08:145, 42:18, 67:02 |
| **69**  | 130 bp190 bp 245 bp 465 bp | \*07:136:01-07:136:02\*07:106\*07:108\*07:102  | \*40:320\*08:18, 73:01-73:02 |
| **70** | 125 bp 205 bp | \*07:104\*07:114 |  |
| **71** | 245 bp 280 bp 390 bp | \*07:108\*07:107\*07:181N |  |
| **73** | 85 bp 240 bp | \*07:119, 07:169 \*07:49N | \*48:34 |
| **74** | 345 bp 425 bp | \*07:156, 07:282  | \*57:29\*40:278 |
| **75** | 105 bp 250 bp | \*07:126, 07:175\*07:121  | \*15:126 |
| **76** | 130 bp170 bp 285 bp | \*07:136:01-07:136:02\*07:128\*07:122  | \*40:320 |
| **77** | 335 bp 405 bp | \*07:148\*07:116  | \*40:193? |
| **78** | 110 bp160 bp 380 bp415 bp | \*07:125\*07:231N\*07:129\*07:282  | \*40:278 |
| **79** | 65 bp 95 bp | \*07:130\*07:119 |  |
| **85** | 110 bp160 bp | \*07:208\*07:238, 07:285N |  |
| **87** | 210 bp260 bp | \*07:251N\*07:218, 07:220  | \*08:118, 14:05, 14:13, 14:53, 18:14, 40:174, 51:64 |

**4**The B\*07:50 and B\*48:08 alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-B low resolution kit and/or the HLA-B\*48 high resolution kit.

**5**The following HLA-B\*07 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

|  |  |  |  |
| --- | --- | --- | --- |
| **Alleles** | **Primer mix** | **Alleles** | **Primer mix** |
| B\*07:42, 07:118 | 26 | B\*07:94, 07:135 | 63 |
| B\*07:49N, 07:169 | 73 | B\*07:102, 07:106 | 69 |
| B\*07:61, 07:149 | 33 | B\*07:121, 07:126 | 75 |
| B\*07:63, 07:143 | 35 | B\*07:129, 07:231N | 78 |
| B\*07:89, 07:246 | 59 |

**6**This lot of the HLA-B\*07 subtyping kit cannot distinguish the B\*07:02:01:01-07:02:25, 07:02:27 and 07:02:29-07:02:51 alleles and the B\*07:120 allele.

‘w’, might be weakly amplified.

‘?’, nucleotide sequence information not available for the primer matching sequence.

Change in revision R01 compared to R00:

1. Primer mix 74 does not amplify the B\*07:120 and the B\*40:150 alleles. This has been corrected in the Specificity and Interpretation Tables. Thus, this lot of the HLA-B\*07 subtyping kit cannot distinguish the B\*07:02:01:01-07:02:25, 07:02:27 and 07:02:29-07:02:51 alleles and the B\*07:120 allele.