Gel Documentation Form and Worksheet

HLA-B\*40 (101.523-24/03, -24u/03u) Lot No: 9D1 Expiry Date: 2018-12-01

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, 23, 31, 34, 38, 39, 41, 45, 54, 72, 74 and 91 may have tendencies of unspecific amplifications.

Primer mix 7 may faintly amplify the C\*17 alleles.

Primer mixes 14, 27, 35, 45, 55, 56, 65, 69 and 70 have a tendency to giving rise to primer oligomer formation.

Primer mixes 46, 48 and 70 may give rise to a lower yield of HLA-specific PCR product than the other B\*40 primer mixes, most pronounced in primer mix 46.

In primer mix 46 the positive control band may be weaker than for other HLA-B\*40 primer mixes.

Primer mix 94 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\*40 alleles in bold lettering are listed as confirmed alleles on the on the IMGT/HLA web page [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), release 3.23.0, January 2016.

**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**Primer mix 16:Specific PCR fragment of 75 bp in the B\*40:15 allele. Specific PCR fragment of 160 bp in the B\*40:14:01, 40:72:01, 40:77, 40:121, 40:136 and 40:237 and the B\*07:02:13, 07:02:35, 07:68:02, 07:151:02, 07:209, 07:262, 18:35,18:110, 35:66, 42:05:01-42:05:02 and 48:12 and in the C\*07:38:01-07:38:02 alleles.

Primer mix 18: Specific PCR fragment of 105 bp in the B\*40:01:06 and 40:26 and the B\*07:02:11, 07:05:03, 15:01:02, 15:09, 15:243, 15:252, 15:277-15:278, 15:361, 35:251, 51:06:01, 51:06:03, 51:59, 51:64, 51:135 and 51:194 and in the C\*02:02:23 alleles. Specific PCR fragment of 175 bp in the B\*40:197 and the B\*18:38 alleles.

Primer mix 20: Specific PCR fragment of 135 bp in the B\*40:14:01-40:14:03, 40:23, 40:114:01-40:114:02, 40:121, 40:136, 40:158 and 40:231 and the B\*07:02:39, 07:07, 07:12, 07:14, 07:18:01-07:18:02, 07:77, 07:78, 07:84, 07:137, 07:162-07:163, 07:193, 07:196, 07:214, 07:225, 07:227, 07:239, 07:248, 07:255, 15:138, 15:230, 15:241, 15:297, 18:35, 18:110, 41:08 and 44:150 and in the C\*02:23, C\*03:260 and C\*04:77 alleles. Specific PCR fragment of 285 bp in the B\*40:31 and 40:80 and the B\*07:106, 07:147, 07:151, 07:202, 48:01:01-48:01:06, 48:06-48:07, 48:09, 48:11, 48:14-48:16, 48:18-48:20, 48:22, 48:27-48:38 and 81:01-81:08 alleles. Specific PCR fragments of 135 bp and 285 bp in the B\*40:15-40:16, 40:32, 40:45, 40:98 and B\*07:02:01-07:02:38, 07:02:40-07:06, 07:08-07:11, 07:13, 07:15-07:17, 07:20-07:32, 07:34-07:39, 07:41-07:52, 07:54-07:59, 07:61-07:76, 07:79-07:83, 07:85-07:99, 07:101-07:105, 07:107-07:121, 07:123-07:136:02, 07:138, 07:140-07:146, 07:148-07:150, 07:152-07:161N, 07:164, 07:166-07:192, 07:194-07:195, 07:199-07:201N, 07:203-07:213, 07:215-07:224, 07:226, 07:228-07:234, 07:236-07:238, 07:240-07:247, 07:249-07:254, 07:256-07:265, 08:79, 08:156, 35:66, 37:07, 42:05:01-42:05:02, 48:05, 48:08, 48:10 and 48:12 alleles. (Both specific fragments may not always be obtained.)

Primer mix 23:Specific PCR fragment of 95 bp in the B\*40:29 and the B\*08:144, 18:77 and 39:66 and in the C\*03:104, C\*08:122 and C\*12:25 alleles. Specific PCR fragment of 160 bp in the B\*40:294 allele. Specific PCR fragment of 205 bp in the B\*40:264 allele.

Primer mix 34:Specific PCR fragment of 190 bp in the B\*40:118N allele. Specific PCR fragment of 235 bp in the B\*40:42, 40:60, 40:124:01-40:124:02, 40:172 and 40:280 and the B\*07:14, 07:17, 07:28, 07:96:01-07:96:02, 07:115, 07:197, 07:225, 07:260, 15:230, 15:297, 27:36, 44:150, 48:17 and 48:26 and in the C\*03:260, C\*04:77 and C\*07:38:01-07:38:02 alleles.

Primer mix 37:Specific PCR fragment of 125 bp in the B\*40:51, 40:113 and 40:163 alleles. Specific PCR fragment of 270 bp in the B\*40:28 and the B\*14:10, 18:22, 18:69w, 18:105, 35:21, 35:24:01-35:24:02, 35:81, 35:96, 35:109, 35:157, 35:188, 35:190, 35:233, 35:287, 37:04:01w-37:04:02w, 44:190, 44:203, 51:04, 51:46, 51:56:01-51:56:02, 51:139, 53:02, 53:06, 53:28, 57:14:01-57:14:02, 58:09 and 58:76 and in the C\*15:39 alleles.

Primer mix 40: Specific PCR fragment of 120 bp in the B\*40:38, 40:52, 40:59-40:60 and 40:222 and the B\*15:116, 15:124, 15:352, 46:06, 46:43, 48:23 and 57:59 alleles. Specific PCR fragment of 150 bp in the B\*40:216N allele.

Primer mix 44: Specific PCR fragment of 110 bp in the B\*40:78 allele. Specific PCR fragment of 210 bp in the B\*40:54, 40:242 and 40:263N alleles.

Primer mix 45: Specific PCR fragment of 175 bp in the B\*40:56 allele. Specific PCR fragment of 235 bp in the B\*40:55 allele. Specific PCR fragment of 260 bp in the B\*40:301 allele.

Primer mix 48: Specific PCR fragment of 215 bp in the B\*40:61 allele. Specific PCR fragment of 245 bp in the B\*40:73 and the B\*18:06 and 46:14 alleles.

Primer mix 53: Specific PCR fragment of 165 bp in the B\*40:65 allele. Specific PCR fragment of 245 bp in the B\*40:171 and the B\*15:193 and 39:53 and in the C\*04:155, C\*07:107 and 07:224 alleles.

Primer mix 56: Specific PCR fragment of 100 bp in the B\*40:69 allele. Specific PCR fragment of 165 bp in the B\*40:97 allele. Specific PCR fragment of 270 bp in the B\*40:221 allele.

Primer mix 59: Specific PCR fragment of 85 bp in the B\*40:127 and the B\*44:143 alleles. Specific PCR fragment of 115 bp in the B\*40:265N allele. Specific PCR fragment of 190 bp in the B\*40:81 allele.

Primer mix 60: Specific PCR fragment of 135 bp in the B\*40:82 allele. Specific PCR fragment of 240 bp in the B\*40:88 and 40:225 and the B\*07:196 and 27:80 alleles.

Primer mix 61: Specific PCR fragment of 80 bp in the B\*40:02:04, 40:10:02, 40:83 and 40:248 and the B\*07:133, 15:46, 15:106, 15:143, 35:19, 35:47, 35:154, 35:274, 37:06:01-37:06:02, 44:84:01, 44:194, 44:205:01-44:205:02, 44:225, 51:112, 53:39 and 57:45 alleles. Specific PCR fragment of 135 bp in the B\*40:234 allele.

Primer mix 62: Specific PCR fragment of 150 bp in the B\*40:182 and 40:205 alleles. Specific PCR fragment of 195 bp in the B\*40:84 allele. Specific PCR fragment of 245 bp in the B\*40:119 allele.

Primer mix 63: Specific PCR fragment of 155 bp in the B\*40:255 allele. Specific PCR fragment of 180 bp in the B\*40:85 allele. Specific PCR fragment of 240 bp in the B\*40:133Q allele.

Primer mix 65: Specific PCR fragment of 130 bp in the B\*40:02:01-40:02:17, 40:02:19-40:02:24, 40:04-40:06:14, 40:08, 40:11:01-40:11:02, 40:13-40:14, 40:19, 40:26-40:29, 40:35:01-40:35:02, 40:37, 40:39-40:40, 40:50, 40:53, 40:56-40:58, 40:64, 40:68, 40:70:01-40:71, 40:75, 40:78, 40:82-40:83, 40:86, 40:90, 40:93-40:97, 40:99, 40:103-40:105, 40:107, 40:109-40:111, 40:115, 40:119, 40:121-40:122, 40:127, 40:129, 40:133Q, 40:136, 40:142N-40:145, 40:148, 40:157-40:158, 40:162, 40:164-40:165, 40:167, 40:169, 40:173-40:174, 40:176-40:177, 40:181, 40:184, 40:189-40:190, 40:200-40:203, 40:205-40:206, 40:209, 40:211, 40:214, 40:219-40:220, 40:224-40:226, 40:229-40:230, 40:232, 40:237, 40:243-40:244, 40:246, 40:248, 40:254-40:256N, 40:266, 40:268-40:271, 40:274-40:276, 40:283, 40:287, 40:289, 40:290w, 40:291N-40:297, 40:302-40:304, 40:305w, 40:306, 40:309, 40:311, 40:313-40:314, 40:317-40:318, 40:320, 40:322 and the B\*07:34, 07:80, 07:209, 08:01:01-08:01:11, 08:01:13-08:05, 08:08N-08:12:01, 08:12:03-08:13, 08:15-08:19, 08:21-08:27, 08:29-08:36, 08:38-08:39, 08:41-08:48, 08:50-08:63, 08:65-08:69, 08:71-08:73, 08:75-08:78, 08:80-08:82N, 08:84w, 08:85-08:86N, 08:88, 08:90-08:106, 08:108w, 08:109-08:110, 08:112-08:155, 08:157-08:158, 13:03, 13:22:01-13:22:02, 13:40w, 13:45, 13:48, 13:62, 13:86w, 14:13, 15:09, 15:42, 15:48, 15:83, 15:86, 15:188, 15:224, 15:229, 15:243, 15:252, 15:329, 15:361, 18:26, 18:61, 18:97, 27:07:01-27:07:04, 27:11, 27:20, 27:27, 27:33, 27:43, 27:130, 35:02:01w-35:02:07w, 35:04:01-35:04:03, 35:06, 35:09:01-35:09:03, 35:12:01-35:12:03, 35:22, 35:31, 35:59:01-35:60, 35:81w, 35:83w, 35:87-35:88, 35:95w, 35:129Nw, 35:149, 35:154w, 35:157w, 35:162w, 35:182w-35:184w, 35:201, 35:211w, 35:220w, 35:233, 35:251, 35:258w, 35:266, 35:270w, 35:273w, 35:276, 35:285w, 35:292, 35:309w, 35:311w, 37:12, 38:01:01, 38:01:03-38:02:05, 38:02:07-38:21, 38:23-38:28, 38:30-38:37, 38:39-38:48, 38:49w, 38:50-38:51, 38:53-38:59, 39:01:01:01-39:01:01:04, 39:01:03-39:01:11, 39:01:12w, 39:01:13-39:01:18, 39:01:20-39:06:05, 39:08-39:14, 39:16, 39:18-39:20, 39:22, 39:24:01-39:24:02, 39:26-39:28, 39:30-39:32, 39:34-39:35, 39:37-39:42, 39:45-39:48, 39:50-39:54, 39:56w, 39:57-39:90, 39:92-39:95N, 39:97N, 39:98w, 39:99-39:108, 39:109w, 39:110-39:114, 41:01:01-41:03:02, 41:05-41:09, 41:11-41:17, 41:19-41:20, 41:22-41:24, 41:25w, 41:26-41:36, 41:38-41:45N, 42:01:01-42:02:01:02, 42:04-42:08, 42:10-42:15, 42:17-42:19, 42:21-42:22, 44:10, 44:14, 44:62, 44:77, 44:82, 44:166, 44:184, 44:213, 45:14, 46:11, 46:18, 48:10, 48:12-48:13, 51:01:01-51:01:18, 51:01:19w, 51:01:20-51:01:30, 51:01:32-51:01:49, 51:01:51-51:02:02, 51:02:01-51:02:02, 51:02:04-51:04, 51:06:01-51:17, 51:19-51:24:05, 51:26, 51:28, 51:30-51:36, 51:38-51:41N, 51:43-51:44N, 51:46, 51:48-51:53 51:55-51:60, 51:62-51:74, 51:76-51:81, 51:83, 51:86-51:89, 51:91, 51:95-51:121, 51:123-51:129, 51:131-51:134, 51:136-51:145, 51:147-51:162, 51:164-51:171, 51:173Q-51:176, 51:178N-51:194, 51:196, 51:198-51:200, 52:01:01:01-52:01:10, 52:01:12-52:01:19, 52:01:20w, 52:01:21-52:01:22, 52:01:23w, 52:01:24-52:11, 52:13-52:20, 52:22-52:23, 52:25, 52:27-52:56, 52:57w, 52:58-52:59, 53:19w, 53:36w, 54:01:01-54:05N, 54:07-54:08N, 54:12-54:13, 54:17-54:19, 54:21, 54:23-54:26, 54:28-54:32, 54:34, 55:01:01-55:05, 55:07-55:08, 55:10-55:13, 55:15-55:20, 55:22, 55:24-55:26, 55:28-55:36, 55:38-55:40, 55:42-55:45, 55:47-55:49, 55:51, 55:53-55:57, 55:59-55:67, 55:69-55:78, 56:01:01:01-56:02:01, 56:02:02w, 56:04-56:08, 56:10, 56:12-56:17, 56:19N-56:30, 56:33-56:42, 56:44-56:49, 57:03:01-57:03:02, 57:07, 57:09, 57:17, 57:39, 57:46, 57:57, 57:66, 57:70, 57:80, 57:82, 58:08:01-58:08:02, 58:20, 58:27-58:28:02, 58:65w, 58:73, 59:01:01:01-59:09, 67:01:01-67:05, 78:01:01-78:97 and 82:01-82:03 and in the C\*15:24 alleles. Specific PCR fragment of 170 bp in the B\*40:23, 40:128, 40:198 and 40:324 and the B\*07:90, 07:201N, 07:222, 13:18, 13:31, 13:41, 13:73 and 48:19 and in the A\*68:02:11 alleles. Specific PCR fragment of 130 and 170 bp in the B\*40:15-40:16, 40:161 and the B\*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 07:182N, 07:206-07:207, 07:210, 07:213-07:214, 07:249, 07:258, 07:262, 07:264, 08:20, 08:40, 08:70, 08:79, 15:30, 15:58, 15:73, 15:150, 15:303, 15:324, 35:18, 35:44, 35:172w, 39:33, 39:36, 46:61, 48:05, 51:05, 51:29, 51:54, 51:61:01-51:61:02, 51:82, 52:21, 52:24, 54:10, 54:20, 54:33, 55:09, 55:21, 55:37, 55:52, 56:43, 57:02:01-57:02:02, 57:12, 57:28N, 57:42, 57:63 and in the C\*01:90, 01:116 and C\*02:68 alleles. (Both specific fragments may not always be obtained.)

Primer mix 67: Specific PCR fragment of 85 bp in the B\*40:89 and the B\*08:74 alleles. Specific PCR fragment of 255 bp in the B\*40:107 allele.

Primer mix 68: Specific PCR fragment of 90 bp in the B\*40:180 and the B\*08:14 and 27:32 alleles. Specific PCR fragment of 225 bp in the B\*40:90 allele.

Primer mix 75: Specific PCR fragment of 245 bp in the B\*40:171 and the B\*15:193 and 39:53 and in the C\*04:155, C\*07:107 and 07:224 alleles. Specific PCR fragment of 270 bp in the B\*40:155:01N-40:155:02N alleles.

Primer mix 77: Specific PCR fragment of 130 bp in the B\*40:295 allele. Specific PCR fragment of 170 bp in the B\*40:102 allele. Specific PCR fragment of 195 bp in the B\*40:142N allele.

Primer mix 78: Specific PCR fragment of 115 bp in the B\*40:111 allele. Specific PCR fragment of 150 bp in the B\*40:182 and 40:205 alleles. Specific PCR fragment of 250 bp in the B\*40:135 allele.

Primer mix 79: Specific PCR fragment of 180 bp in the B\*40:145 and 40:268 alleles. Specific PCR fragment of 230 bp in the B\*40:109, 40:116 and 40:292 and the B\*18:67 alleles.

Primer mix 81: Specific PCR fragment of 225 bp in the B\*40:144N allele. Specific PCR fragment of 325 bp in the B\*40:141 and 40:299 alleles.

Primer mix 82: Specific PCR fragment of 75 bp in the B\*40:115 allele. Specific PCR fragment of 150 bp in the B\*40:267 allele. Specific PCR fragment of 175 bp in the B\*40:150 and the B\*07:120, 15:214, 18:81, 35:250, 51:165 and 57:29 alleles.

Primer mix 83: Specific PCR fragment of 155 bp in the B\*40:179, 40:249 and the B\*51:72 alleles. Specific PCR fragment of 240 bp in the B\*40:247 allele.

Primer mix 84: Specific PCR fragment of 160 bp in the B\*40:249 and the 51:72 allele. Specific PCR fragment of 205 bp in the B\*40:132, 40:178 and 40:263N and the B\*07:140, 35:309w, 44:10, 44:14, 44:31, 44:62, 44:77, 44:82, 44:184, 44:213, 45:14, 51:23, 51:108, 52:15, 57:07 and 82:01-82:03 alleles.

Primer mix 87: Specific PCR fragment of 100 bp in the B\*40:286N and the B\*15:272N alleles. Specific PCR fragment of 195 bp in the B\*40:210? and 40:229 and the B\*18:43 and 27:37 alleles.

Primer mix 88: Specific PCR fragment of 105 bp in the B\*40:185, 40:209 and 40:308 and the B\*13:58, 18:80, 18:102, 27:52, 35:84, 35:90, 35:150:01-35:150:02, 35:184, 35:201, 44:134, 51:103 and 51:119 alleles. Specific PCR fragment of 200 bp in the B\*40:201 and the B\*13:25, 44:15, 44:109 and 44:176 alleles.

Primer mix 90: Specific PCR fragment of 315 bp in the B\*40:299 allele. Specific PCR fragment of 415 bp in the B\*40:278 allele.

Primer mix 91: Specific PCR fragment of 335 bp in the B\*40:303 allele. Specific PCR fragment of 395 bp in the B\*40:256N allele.

**4**The following HLA-B\*40 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

|  |  |
| --- | --- |
| **Alleles** | **Primer mix** |
| B\*40:69, 40:221 | 56 |

The HLA-B\*40 subtyping kit cannot distinguish the silent mutations in the B\*40:01:01-40:01:05, 40:01:07-40:01:10, 40:01:12-40:01:27 and 40:01:29-40:01:44 alleles, the B\*40:02:01-40:02:03, 40:02:05-40:02:15, 40:02:17 and 40:02:19-40:02:24 alleles, the B\*40:06:01:01-40:06:04, 40:06:06-40:06:14 and 40:70:02 alleles, the B\*40:10:01:01-40:10:01:02 alleles, the B\*40:14:02-40:14:03 alleles, the B\*40:35:01-40:35:02 alleles, the B\*40:87:01-40:87:02 alleles, the B\*40:114:01-40:114:02 alleles, the B\*40:124:01-40:124:02 alleles, the B\*40:130:01-40:130:02 alleles, the B\*40:155:01N-40:155:02N alleles or the B\*40:160:01-40:160:02.

5This lot of the B\*40 kit cannot distinguish the B\*40:79 and the B\*40:01:01-40:01:05, 40:01:07-40:01:10, 40:01:12-40:01:27, 40:01:29-40:01:44, 40:100-40:101, 40:108, 40:112, 40:123, 40:126, 40:134, 40:138, 40:140, 40:146-40:147, 40:152, 40:154, 40:156, 40:170, 40:186, 40:193-40:196, 40:204, 40:207-40:208, 40:212, 40:215, 40:217-40:218, 40:223, 40:227-40:228, 40:235, 40:238, 40:240, 40:245, 40:250-40:251, 40:253, 40:257-40:261, 40:273, 40:277, 40:279, 40:281, 40:285, 40:288, 40:300, 40:312, 40:315, 40:321, 40:323 and 40:326-40:327 alleles, the B\*40:190 and the B\*40:06:01:01-40:06:04, 40:06:06-40:06:14, 40:70:02, 40:165, 40:167,:230, 40:244, 40:269-40:270, 40:275, 40:306, 40:311 and 40:317 alleles or the B\*40:289 and the B\*40:02:01-40:02:03, 40:02:05-40:02:15, 40:02:17, 40:02:19-40:02:24, 40:104, 40:143, 40:169, 40:173, 40:181, 40:189, 40:202-40:203, 40:206, 40:211, 40:214, 40:224, 40:246, 40:254, 40:266, 40:271, 40:274, 40:276, 40:283, 40:293, 40:296-40:297, 40:302, 40:304 and 40:320 alleles.

‘w’, might be weakly amplified.

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

Changes in revision R01 compared to R00:

1. Primer mix 57 does not amplify the B\*40:79, 40:190 and 40:289 and the B\*07:23 and 41:14 alleles. Thus, this lot of the B\*40 kit cannot distinguish the B\*40:79 and the B\*40:01:01-40:01:05, 40:01:07-40:01:10, 40:01:12-40:01:27, 40:01:29-40:01:44, 40:100-40:101, 40:108, 40:112, 40:123, 40:126, 40:134, 40:138, 40:140, 40:146-40:147, 40:152, 40:154, 40:156, 40:170, 40:186, 40:193-40:196, 40:204, 40:207-40:208, 40:212, 40:215, 40:217-40:218, 40:223, 40:227-40:228, 40:235, 40:238, 40:240, 40:245, 40:250-40:251, 40:253, 40:257-40:261, 40:273, 40:277, 40:279, 40:281, 40:285, 40:288, 40:300, 40:312, 40:315, 40:321, 40:323, 40:326-40:327 alleles, the B\*40:190 and the B\*40:06:01:01-40:06:04, 40:06:06-40:06:14, 40:70:02, 40:165, 40:167,:230, 40:244, 40:269-40:270, 40:275, 40:306, 40:311, 40:317 alleles or the B\*40:289 and the B\*40:02:01-40:02:03, 40:02:05-40:02:15, 40:02:17, 40:02:19-40:02:24, 40:104, 40:143, 40:169, 40:173, 40:181, 40:189, 40:202-40:203, 40:206, 40:211, 40:214, 40:224, 40:246, 40:254, 40:266, 40:271, 40:274, 40:276, 40:283, 40:293, 40:296-40:297, 40:302, 40:304, 40:320 alleles. This has been corrected in the Specificity and Interpretation Tables.

Changes in revision R02 compared to R01:

1. Primer mix 46 may give rise to a lower yield of HLA-specific PCR product than the other B\*40 primer mixes. A footnote has been added in the Specificity Table.

Changes in revision R03 compared to R02:

1. Primer mix 46 may give rise to a most pronounced lower yield of HLA-specific PCR product than the other B\*40 primer mixes. The footnote has been changed in the Specificity Table.