DRB1\*08 (101.127-12/04, -12u/04u) Lot No: 6L6 Expiry Date: 2024-10-01

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

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

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

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

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

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

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

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

**Gel Picture**

|  |
| --- |
| PHOTO DOCUMENT |



Abbreviations

‘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 2 and 5 may have tendencies of unspecific amplifications.

Primer mix 3 might have a tendency to giving rise to primer oligomer formation.

Primer mix 24 contains a negative control, which will amplify a majority 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 200 base pairs.







 **1**DRB1\*08 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 3.31.0, January 2018.

**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 DRB1\*08 primer mixes have two or more product sizes:

|  |  |  |  |
| --- | --- | --- | --- |
| Primer Mix | Size of spec. PCR product | Amplified DRB1\*08 alleles | Other amplified DRB1 alleles |
|  **9** | 125 bp175 bp | \*08:26, 08:35-08:36:02 \*08:14 | \*03:12, 03:158, 04:202, 13:32, 13:65, 13:93, 13:120, 13:139, 14:13, 14:63, 14:65, 14:78, 14:85, 14:169-14:170 |
| **10** | 205 bp 250 bp | \*08:40, 08:92\*08:12, 08:22  | \*11:229, 11:270, 12:73, 13:17, 13:116, 13:175, 13:214\*12:01:01:01-12:02:10, 12:04-12:15, 12:17-12:18, 12:20-12:21, 12:23-12:38, 12:40-12:41, 12:43-12:56, 12:58-12:82, 12:84, 14:28 |
| **12** | 95 bp 145 bp 195 bp220 bp | \*08:27\*08:44\*08:13, 08:48\*08:43 | \*12:12, 12:62 |
| **13** | 135 bp 165 bp190 bp 260 bp | \*08:33\*08:11\*08:32\*08:39 |  |
| **14** | 135 bp250 bp | \*08:17, 08:28, 08:37, 08:45:01-08:45:02, 08:63. 08:103\*08:60N | \*03:92, 11:67, 11:193:01-11:193:02, 11:209, 11:229, 11:270, 12:01:01:01-12:20, 12:22-12:37, 12:39-12:41, 12:43-12:52, 12:54-12:56, 12:58-12:75, 12:77-12:82, 12:84, 13:17, 13:175, 13:214, 14:138, 14:175 |
| **17** | 75 bp 115 bp265 bp | \*08:04:01, 08:04:04-08:04:07, 08:06, 08:10, 08:12, 08:20, 08:22, 08:28, 08:54, 08:59, 08:67, 08:70, 08:75, 08:80, 08:83, 08:94, 08:98-08:99\*08:14 | \*04:12, 04:18, 04:25, 04:58, 11:25, 11:67, 11:119, 13:18, 13:144, 13:156, 13:164, 14:12:01-14:12:02, 14:15, 14:78, 14:84, 14:156, 14:173, 15:21\*11:261\*11:261 |
| **18** | 120 bp 150 bp | \*08:17, 08:28, 08:37, 08:45:01-08:45:02, 08:63, 08:103\*08:09:01-08:09:02, 08:21, 08:32, 08:35, 08:87  | \*03:157, 11:23:01-11:23:02, 11:25, 11:45, 11:55, 11:64, 11:67, 11:119, 13:18, 13:119, 13:144, 13:146, 13:154, 13:156, 13:158, 13:286, 15:21\*13:232, 14:15, 14:40, 14:55, 14:77, 14:84, 14:136, 14:164, 14:173 |
| **19** | 100 bp 170 bp | \*08:16, 08:38\*08:07, 08:49 |  |
| **21** | 55 bp200 bp | \*08:78N\*08:20 | \*11:01:01:01-11:01:17, 11:01:20-11:01:27, 11:01:28?, 11:01:29-11:01:40, 11:03:01-11:04:20, 11:06:01-11:06:03, 11:09-11:11:01, 11:11:03-11:12:03, 11:15, 11:23:01-11:25, 11:27:01-11:29:02, 11:32-11:33, 11:35, 11:37:01-11:41, 11:43-11:44, 11:46:01-11:47, 11:49:01-11:51, 11:54:01-11:54:02, 11:56, 11:58:01-11:63:02, 11:66:01-11:66:02, 11:72, 11:74:01-11:78, 11:80-11:81, 11:83-11:85, 11:87-11:88, 11:90-11:97, 11:99-11:102:02, 11:106, 11:108-11:117:02, 11:120-11:123, 11:126, 11:128-11:129, 11:133-11:135, 11:137-11:142, 11:144-11:152, 11:154-11:158, 11:160-11:170, 11:172, 11:174-11:183, 11:185-11:190, 11:192, 11:194-11:201, 11:203-11:208, 11:210-11:228, 11:230-11:241, 11:243-11:247, 11:249-11:250N, 11:252-11:255, 11:257-11:260, 11:262-11:265, 11:269, 11:271-11:273, 13:05:01-13:05:03, 13:07:01-13:07:02, 13:11:01-13:11:02, 13:14:01-13:14:03, 13:18, 13:21:01-13:21:02, 13:24, 13:26:01-13:26:02, 13:42:01-13:42:02, 13:46-13:47, 13:49-13:50:03, 13:54-13:55, 13:62-13:63, 13:75, 13:100, 13:108, 13:111, 13:132, 13:136, 13:144, 13:150, 13:158, 13:164, 13:169, 13:189, 13:197, 13:199, 13:203, 13:229-13:230, 13:232, 13:246-13:247, 13:277, 13:284, 13:286, 13:302, 14:22, 14:25:01-14:25:02, 14:27:01-14:27:02, 14:53, 14:105, 14:128 |
| **22** | 130 bp 165 bp 215 bp | \*08:23\*08:19\*08:29  | \*12:66, 14:04:01:01-14:04:07, 14:11, 14:28, 14:68:01-14:68:02, 14:71, 14:73, 14:93, 14:120, 14:126:01-14:126:02, 14:138, 14:145, 14:148, 14:152N, 14:175, 14:180, 14:196, 14:201, 14:205-14:206, 14:210Q, 14:220, 14:224 |
| **23** | 220 bp250 bp | \*08:43\*08:04:01, 08:04:04-08:04:07, 08:06, 08:10, 08:28, 08:31, 08:54, 08:59, 08:67, 08:70, 08:75, 08:83, 08:94, 08:98-08:99 | \*03:92, 11:67, 11:209, 11:229, 11:270, 12:03:02-12:03:03, 12:19, 13:17, 13:116, 13:175, 13:214, 14:04:01:01-14:04:07, 14:11, 14:15, 14:31, 14:50, 14:52, 14:73, 14:76, 14:79, 14:107, 14:120, 14:126:01-14:126:02, 14:138, 14:145, 14:148, 14:152N, 14:175, 14:180, 14:196, 14:201, 14:205-14:206, 14:210Q, 14:220, 14:224 |

Abbreviations

‘w’, may be weakly amplified.

Changes in Revision R01 compared to R00:

1. Primer mix 21 amplifies the DRB1\*11:03:01-11:03:04, 11:11:01, 11:11:03, 11:40-11:41, 11:59, 11:63:01-11:63:02, 11:76, 11:85, 11:122, 11:138-11:139, 11:151, 11:161, 11:168, 11:176, 11:213, 11:231, 11:233, 11:237, 11:241 and 11:260 and the DRB1\*13:24, 13:54, 13:63, 13:75, 13:111 and 13:247 alleles. This has been corrected in the Specificity and Interpretation Tables.