Gel Documentation Form and Worksheet

DRB5 (101.123-24/06, -24u/06u) Lot No: 4L2 Expiry Date: 2024-08-01

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 mix 21 contains a negative control, which will amplify the majority of the 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**DRB5 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 3.28.0, April 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 DRB5 primer mixes have two or more product sizes:

|  |  |  |  |
| --- | --- | --- | --- |
| Primer Mix | Size of spec. PCR product | Amplified DRB5  alleles | Other amplified DRB  alleles |
| **4** | 100 bp  150 bp | \*01:01:01:01-01:01:06, 01:04, 01:06-01:07, 01:09, 01:11, 01:15-01:19, 01:21-01:24, 01:26, 01:29-01:31, 01:33-01:34, 01:36-01:38, 01:40, 01:42-01:45, 01:47-01:50, 01:53N-01:55, 01:57-01:58N, 01:62-01:63:01, 01:65-01:66, 01:71N, 01:75, 01:79Q-01:86, 01:88  \*02:06 | **DRB1\*16:60** |
| **9** | 85 bp  175 bp  225 bp | \*01:16  \*01:13, 01:41  \*01:04 |  |
| **10** | 110 bp  130 bp  160 bp | \*01:48N  \*01:07  \*01:12, 01:15 |  |
| **11** | 110 bp  200 bp | \*01:14  \*01:06, 01:11, 01:21, 02:02:01-02:03, 02:06-02:07, 02:09-02:11, 02:13-02:23, 02:27-02:29 |  |
| **13** | 150 bp  195 bp | \*01:01:02?, 01:03?, 01:07?, 01:09?, 01:18, 01:56, 02:04?  \*01:08:01N-01:08:02N, 02:26N | **DRB1\*15:02:03?, DRB1\*15:86, DRB1\*16:01:02?, DRB1\*16:02:02?, DRB1\*16:05:01?, DRB4\*01:05?, DRB4\*01:07:01?** |
| **16** | 125 bp  225 bp | \*01:21, 01:43, 01:47, 02:10  \*01:20, 01:47, 02:08 | **DRB1\*08:59, DRB1\*11:210** |
| **17** | 130 bp  180 bp | \*01:46, 01:69, 02:12  \*01:27N, 02:19N |  |

Abbreviations

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