Gel Documentation Form and Worksheet

DRB5 (101.123-24/06, -24u/06u) Lot No: 5F2 Expiry Date: 2020-04-01

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 mix 19 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**DRB5 alleles listed on the IMGT/HLA web page 2017-April-13, release 3.28.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

**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 | \*01:01:01-01:01:03, 01:04, 01:06-01:07, 01:09, 01:11, 01:15-01:19, 01:21-01:24, 01:26, 01:29-01:31  \*02:06 |  |
| **9** | 85 bp  175 bp  225 bp | \*01:16  \*01:13  \*01:04 |  |
| **10** | 130 bp  160 bp | \*01:07  \*01:12, 01:15 |  |
| **11** | 110 bp  200 bp | \*01:14  \*01:06, 01:11, 01:21, 02:02-02:03, 02:06-02:07, 02:09-02:11, 02:13-02:16 |  |
| **13** | 150 bp  195 bp | \*01:01:02?, 01:03?, 01:07?, 01:09?, 01:18, 02:04?  \*01:08N | **DRB1\*15:02:03?, DRB1\*15:86, DRB1\*16:01:02?, DRB1\*16:02:02?, DRB1\*16:05:01?, DRB4\*01:05?, DRB1\*01:07:01?** |
| **16** | 125 bp  225 bp | \*01:21, 02:10  \*01:20, 02:08 | **DRB1\*08:59, DRB1\*11:210** |
| **17** | 130 bp  180 bp | \*02:12  \*01:27N |  |

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