Gel Documentation Form and Worksheet

DRB5 (101.123-24/06, -24u/06u) Lot No: 1E2 Expiry Date: 2019-02-01

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 16 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 2016-April-15, release 3.24.0, [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**Primer mix 4: Specific PCR fragment of 100 bp in the DRB5\*01:01:01-01:01:03, 01:04, 01:06-01:07, 01:09, 01:11 and 01:15-01:18 alleles. Specific PCR fragment of 150 bp in the DRB5\*02:06 allele.

Primer mix 9: Specific PCR fragment of 85 bp in the DRB5\*01:16 allele. Specific PCR fragment of 175 bp in the DRB5\*01:13 allele. Specific PCR fragment of 225 bp in the DRB5\*01:04 allele.

Primer mix 10: Specific PCR fragment of 130 bp in the DRB5\*01:07 allele. Specific PCR fragment of 160 bp in the DRB5\*01:12 and 01:15 alleles.

Primer mix 11: Specific PCR fragment of 110 bp in the DRB5\*01:14 allele. Specific PCR fragment of 200 bp in the DRB5\*01:06, 01:11, 02:02-02:03 and 02:06-02:07 alleles.

Primer mix 13: Specific PCR fragment of 150 bp in the DRB5\*01:01:02?, 01:03?, 01:07?, 01:09?, 01:18 and 02:04? and in the DRB1\*15:02:03?, 15:86, DRB1\*16:01:02?, 16:02:02?, 16:05:01? and in the DRB4\*01:05?, 01:07?, DRB7\*01:01:02? and DRB8\*01:01:01:01?alleles. Specific PCR fragment of 195 bp in the DRB5\*01:08 allele.

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