Gel Documentation Form and Worksheet

DRB1\*10 (101.129-06/06u) Lot No: 6D8 Expiry Date: 2019-03-01

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 5 may have tendencies of unspecific amplifications.

Primer mix 8 has a tendency to giving rise to primer oligomer formation.

Primer mix 8 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**DRB1\*10 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 3.24.0, April 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 4: Specific PCR fragment of 70 bp in the DRB1\*10:03 allele. Specific PCR fragment of 180 bp in the DRB1\*10:11 allele.Primer mix 7: Specific PCR fragment of 75 bp in the DRB1\*10:06 allele. Specific PCR fragment of 190 bp in the DRB1\*10:07 allele.

**4**The following DRB1\*10 alleles can be distinguished by the different sizes of the specific PCR product:

|  |  |
| --- | --- |
| Alleles | Primer mix |
| DRB1\*10:03, 10:11 | 4 |
| DRB1\*10:06, 10:07 | 7 |

The DRB1\*10 SSP subtyping kit cannot distinguish the silent mutations in the DRB1\*10:01:01:01 to DRB1\*10:01:09 alleles.