Gel Documentation Form and Worksheet

DRB1\*09 (101.120-06/06u) Lot No: 0M8 Expiry Date: 2025-03-01

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

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

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

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

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

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

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

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

**Gel Picture**

|  |
| --- |
| PHOTO DOCUMENT |



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 10 may have tendencies of unspecific amplifications.

Primer mix 16 contains a negative control, which will amplify the 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\*09 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 3.32.0, April 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\*09 primer mixes have two or more product sizes:

|  |  |  |  |
| --- | --- | --- | --- |
| Primer Mix | Size of spec. PCR product | Amplified DRB1\*09 alleles | Other amplified DRB1 alleles |
| **4** | 215 bp  245 bp | \*09:03  \*09:15-09:16 |  |
| **5** | 185 bp  215 bp | \*09:08  \*09:04, 09:42 | \*01:65:01, **DRB4\*01:125** |
| **6** | 105 bp  150 bp  250 bp | \*09:10  \*09:11, 09:14  \*09:05 | \*01:65:01, **DRB4\*01:125** |
| **8** | 150 bp  180 bp | \*09:19  \*09:07, 09:12, 09:20 | \*07:52 |
| **11** | 195 bp  235 bp | \*09:23  \*09:07 | \*04:90, 04:155, 04:167, 07:50, 13:220, 16:42, **DRB5\*01:12, DRB5\*01:15**  **DRB5\*01:12, DRB5\*01:15** |
| **14** | 100 bp  130 bp  205 bp  275 bp | \*09:17  \*09:13  \*09:18  \*09:09 |  |

**4**The following DRB1\*09 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

|  |  |
| --- | --- |
| **Alleles** | **Primer mix** |
| DRB1\*09:09, 09:13, 09:17-09:18 | 14 |