Gel Documentation Form and Worksheet

DRB1\*12 (101.128-12/12u) Lot No: 6F1 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 mixes 12 has a tendency to giving rise to primer oligomer formation.

Primer mixes 16 and 17 may have tendencies of unspecific amplifications.

Primer mix 24 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\*12 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 3.29.0, August 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 DRB1\*12 primer mixes have two or more product sizes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Primer Mix | Size of spec. PCR product | | Amplified DRB1\*12 alleles | Other amplified DRB1 alleles |
| **13** | 115 bp  185 bp  255 bp | \*12:24N  \*12:05, 12:14-12:15, 12:56  \*12:20 | |  |
| **15** | 170 bp  200 bp | \*12:18, 12:47  \*12:07 | |  |
| **16** | 80 bp  115 bp | \*12:08, 12:23, 12:27  \*12:31N | | \*08:53, 11:76, 11:114, 11:183, 11:196, 13:34, 13:64, 13:136, 13:174, 13:204, 13:221, 14:41, 14:77, 14:110, 15:102, **DRB3\*01:36, DRB3\*02:37, DRB3\*03:12** |
| **17** | 80 bp  110 bp  225 bp | \*12:10  \*12:25, 12:48  \*12:60N | | \*01:26, 13:163  **DRB5\*02:07** |
| **18** | 90 bp  135 bp | \*12:26  \*12:11 | |  |
| **19** | 115 bp  195 bp | \*12:45  \*12:12, 12:62 | | \*08:13, 08:48 |
| **20** | 220 bp  265 bp | \*12:13, 12:23  \*12:57 | |  |
| **22** | 105 bp  220 bp | \*12:21, 12:38, 12:53  \*12:16:01-12:16:03, 12:22, 12:39 | | \*08:32  \*08:32, 13:145 |
| **23** | 120 bp  225 bp | \*12:17, 12:25  \*12:60N | | \*01:01:01-01:83  **DRB5\*02:07** |

‘w’, may be weakly amplified.

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