Gel Documentation Form and Worksheet

HLA-A\*25 (101.423-06/06u) Lot No: 6K4 Expiry Date: 2024-01-01

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 mixes 1 and 10 may give rise to a PCR fragment approx. 500 bp in size. This band should be disregarded in the interpretation of HLA-A\*25 subtypings.

Primer mixes 2, 5, 8 and 11 may have tendencies of unspecific amplifications.

Primer mix 10 might have a tendency for primer oligomer formation.

Primer mix 16 contains a negative control, which will amplify a 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**HLA-A\*25 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 3.23.0, January 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**The following HLA-A\*25 primer mixes have two or more product sizes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Primer Mix** | **Size of spec. PCR product** |  | **Amplified HLA-A\*25 alleles** | **Other amplified HLA-A alleles** |
| **6** | 155 bp  200 bp |  | \*25:19:01-25:19:02, 25:30  \*25:03, 25:30 | \*02:309, 02:454, 03:01:19, 03:103:02, 26:43:01-26:43:02, 26:112, 31:03-31:04:01:02, 31:123, 34:02:01:01-34:04, 34:06-34:09, 34:13, 34:15, 34:20-34:22, 66:06, 66:33, 74:01:03  \*01:51, 02:55, 02:644, 02:741, 02:815, 03:24, 26:20, 32:15, 34:08, 68:71, 69:07 |
| **8** | 100 bp  125 bp  165 bp  235 bp |  | \*25:16  \*25:05  \*25:12N  \*25:27:01-25:27:02 | \*02:454, 26:54  \*26:130, 66:14 |
| **9** | 100 bp  135 bp  170 bp  230 bp |  | \*25:16  \*25:08  \*25:42N  \*25:49N | \*26:47, 66:18 |
| **10** | 170 bp  230 bp |  | \*25:07  \*25:27:01-25:27:02, 25:49N | \*26:130, 66:14 |

**4**The HLA-A\*25 primer set cannot separate the following alleles. These alleles can be distinguished by the HLA-A low resolution kit and/or the respective high resolution kits:

|  |
| --- |
| **Alleles** |
| A\*25:36, 25:43, 25:50, 25:52, 32:62 |
| A\*25:64, 32:26:01-32:26:02 |

Abbreviations

w: might be weakly amplified