Gel Documentation Form and Worksheet

HLA-A\*25 (101.423-06/06u) Lot No: 8D7 Expiry Date: 2019-01-01

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

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

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

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

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

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

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

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

**Gel Picture**

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| --- |
| 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 1 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, 3 and 11 may have tendencies of unspecific amplifications.

Primer mix 2 may give rise to a lower yield of HLA-specific PCR product than the other A\*25 primer mixes.

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**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**Primer mix 6: Specific PCR fragment of 155 bp in the A\*25:19:01-25:19:02 and the A\*02:309, 02:454, 03:01:19, 26:43:01-26:43:02, 26:112, 31:03-31:04, 34:02:01-34:04, 34:06-34:07, 34:09, 34:13, 66:06 and 74:01:03 alleles. Specific PCR fragment of 200 bp in the A\*25:03 and the A\*01:51, 02:55, 03:24, 26:20, 32:15 and 68:71 alleles. Specific PCR fragment of 155 bp and 200 bp in the A\*25:30 and 34:08 alleles.

Primer mix 8: Specific PCR fragment of 100 bp in the A\*25:16 allele. Specific PCR fragment of 125 bp in the A\*25:05 and the A\*02:454 and 26:54 alleles. Specific PCR fragment of 165 bp in the A\*25:12N allele. Specific PCR fragment of 235 bp in the A\*25:27:01-25:27:02 and 66:14 alleles.

Primer mix 9: Specific PCR fragment of 100 bp in the A\*25:16 allele. Specific PCR fragment of 135 bp in the A\*25:08 and the A\*26:47 and 66:18 alleles.

Primer mix 10: Specific PCR fragment of 170 bp in the A\*25:07 allele. Specific PCR fragment of 235 bp in the A\*25:27:01-25:27:02 and 66:14 alleles.

**4**The HLA-A\*25 primer set cannot separate the A\*25:18 and A\*32:62 alleles. These alleles can be distinguished by the HLA-A low resolution kit and/or the HLA-A\*32 high resolution kit.

The HLA-A\*25 subtyping kit cannot distinguish the following silent mutations: the A\*25:01:01 and 25:01:03-25:01:09 or the A\*25:27:01-25:27:02 alleles.

‘w’, might be weakly amplified.