Gel Documentation Form and Worksheet

HLA-C\*17 (101.628-06/06u) Lot No: 4H9 Expiry Date: 2021-09-01

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.

In order to have as little co-amplification as possible of non-HLA-C\*17 alleles by the primer pairs of the HLA-C\*17 subtyping kit, many of the specific PCR products are shorter than 100 base pairs.

Primer mix 15 may give rise to a lower yield of HLA-specific PCR product than the other HLA-C\*17 primer mixes in the C\*07:02 alleles.

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-C\*17 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 3.24.0, 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**The following HLA-C\*17 primer mixes have two or more product sizes:

|  |  |  |  |
| --- | --- | --- | --- |
| Primer Mix | Size of spec. PCR product | Amplified HLA-C\*17 alleles | Other amplified HLA-C alleles |
| **5** | 155 bp  200 bp | \*17:04  \*17:15 | \*15:135 |
| **7** | 125 bp  200 bp | \*17:06  \*17:15 |  |
| **9** | 85 bp  135 bp  495 bp | \*17:27N  \*17:08  \*17:27N |  |
| **10** | 90 bp  495 bp | \*17:09, 17:27N  \*17:27N | **B\*40:260** |
| **14** | 80 bp  260 bp | \*17:17  \*17:13 |  |

‘w’, might be weakly amplified.

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