Gel Documentation Form and Worksheet

HLA-A\*34 (101.425-06/06u) Lot No: 1F0 Expiry Date: 2019-10-01

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 primer mix 8 the positive control band may be weaker than for other HLA-A\*34 primer mixes.

Primer mix 4 may have tendencies of unspecific amplification.

Primer mix 7 may give rise to a long fragment of approx. 700 bp in some HLA-A alleles. This band should not be considered in the interpretation of HLA-A\*34 typings.

Primer mix 12 has a tendency to giving rise to primer oligomer formation.

Primer mix 12 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\*34 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 3.26.0, October 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\*34 primer mixes have two or more product sizes:

|  |  |  |  |
| --- | --- | --- | --- |
| **Primer Mix** | **Size of spec. PCR product** | **Amplified HLA-A\*34 alleles** | **Other amplified HLA Class I alleles** |
| **7** | 140 bp  215 bp | \*34:06  \*34:07 | \*26:18, 26:112w, 31:03-31:04, 74:01:03  \*11:96 |
| **8** | 200 bp  360 bp | \*34:08  \*34:09 | \*01:51, 02:55, 02:644, 03:24, 25:03, 25:30, 26:20, 32:15, 68:71  \*02:135, 02:309, 02:454, 03:01:19, 25:13, 26:30, 26:65, 31:04, 66:02-66:03, 66:12, 66:16, 66:21, 66:25-66:26Q, 74:01:03 |

’w’, might be weakly amplified.