Gel Documentation Form and Worksheet

HLA-B\*42 (101.543-06/06u) Lot No: 3E7 Expiry Date: 2019-03-01

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 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-B\*42 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 3.25.0, July 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 11: Specific PCR fragment of 115 bp in the B\*42:19 and the B\*08:20 and 08:53:01-08:53:02 alleles. Specific PCR fragment of 180 bp in the B\*42:10 and 42:17 and the B\*08:49, 08:71, 27:83, 41:24 and 53:15 alleles.

Primer mix 14: Specific PCR fragment of 195 bp in the B\*42:15 and 42:18 and the B\*07:11, 07:57, 07:75, 07:160, 07:240, 07:253, 08:16-08:17, 08:47, 08:123, 08:145, 18:49, 18:79, 18:108, 37:05 and 39:20 and in the C\*01:59, 01:118, C\*06:82, C\*07:49, 07:124, 07:155, 07:210, 07:238, 07:247 and 07:403 alleles. Specific PCR fragment of 290 bp in the B\*42:13 and the B\*08:49, 08:60, 08:76, 08:129 and 53:15 alleles.

**4**The HLA-B\*42 primer set cannot separate the B\*42:07 and the B\*08:94 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B\*08 high resolution kit.

The HLA-B\*42 subtyping kit cannot distinguish the silent mutations in the B\*42:01:01-42:01:03 and the 42:05:01- 42:05:02 alleles.

‘w’, might be weakly amplified.