Gel Documentation Form and Worksheet

HLA-B\*81 (101.553-06/06u) Lot: 8E6 Expiry Date: 2019-08-01

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 3 may have tendency of unspecific amplification.

Primer mix 3 may have tendency of giving rise to primer oligomer formation.

Primer mix 10 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\*81 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**Primer mix 5: Specific PCR fragment of 105 bp in the B\*81:05 and the B\*07:83 alleles. Specific PCR fragment of 165 bp in the B\*81:03 and the B\*15:20, 15:228, 15:305, 35:01:01:01-35:01:27, 35:01:29-35:30, 35:32:01-35:34, 35:36-35:42:02, 35:44-35:45, 35:47-35:56, 35:58-35:59:02, 35:61:01-35:72, 35:74-35:78, 35:80-35:86, 35:88-35:184, 35:186-35:278, 35:280-35:329, 48:02:01-48:02:03, 51:01:01:01-51:24:05, 51:26-51:41N, 51:43-51:46, 51:48-51:156, 51:158:01-51:163, 51:165-51:213, 52:01:01:01-52:06:03, 52:08-52:63, 53:01:01-53:45, 56:05:01-56:05:02, 56:21, 56:36, 58:01:01:01-58:02:02, 58:04-58:10N, 58:12-58:19, 58:21-58:29, 58:31N-58:83, 67:05, 78:01:01-78:09 and 83:01? alleles.

Primer mix 6: Specific PCR fragment of 80 bp in the B\*81:04N allele. Specific PCR fragment of 105 bp in the B\*81:05 and the B\*07:83 alleles.

**4**The B**\***81:02 and the B\*07:202 and B\*07:279 alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-B low resolution kit and/or HLA-B\*07 high resolution kit.

‘w’, may be weakly amplified.

‘?’, the nucleotide sequence of the primer matching region is not known.