Gel Documentation Form and Worksheet

KIR Genotyping (104.101-12/12u) Lot No: 9E6 Expiry Date: 2019-11-01

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.

Specific PCR products shorter than 125 base pairs have a lower intensity and are less sharp than longer PCR products.

The specific PCR product generated by primer mixes 6 and 7 are longer than the internal positive control band and the positive control band may be weaker than for other KIR primer mixes.

Primer mixes 5, 7 and 26 have a tendency to giving rise to primer oligomer formation.

Primer mixes 2, 3, 7 and 13 may have tendencies of unspecific amplifications.

Primer mix 7 may give rise to a lower yield of specific PCR product than the other KIR primer mixes.

Well 26 contains negative control primer pairs, that will produce exon 4 and/or exon 5 amplicons for more than 97% of applicable KIR alleles as well as amplicons generated by positive control primer pairs.



**1**KIR alleles listed on the IPD KIR web page 2015-February-17, release 2.6.1, www.ebi.ac.uk/ipd/kir.

**2**The 2DL2\*004 and the 2DL2\*0010101-013 alleles may be distinguished by the different sizes of the specific PCR product in primer mix 2; three specific PCR fragments of 65, 150 and 225 bp in the 2DL2\*004 and 2DL2\*011 alleles and one specific PCR fragment of 150 bp in the 2DL2\*0010101-00304, 005-010 and 012-013 alleles.

**3**The 2DL3\*01201-01202 and the 2DL3\*0010101-011 and 013-032 alleles may be distinguished by the different sizes of the specific PCR product in primer mix 3; one specific PCR fragments of 90 bp in the 2DL3\*01201-01202 alleles and one specific PCR fragment of 520 bp in the 2DL3\*0010101-011 and 013-032 alleles.

**4**The 2DS1 and the 3DP1 amplicons in primer mix 22 are differentiated by amplicon size; a specific PCR fragment of 95 bp for the 2DS1\*0020101-008 alleles and a specific PCR fragment of 235 bp for the 3DP1\*001-002, 004, 007, 0090101-00902 and 011-012 alleles.

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

Change in revision R01 compared to R00:

* 1. A footnote has been added to the Specificity and Interpretation Tables, explaining that an “?” reflects that nucleotide sequence information is not available for the primer matching sequence.

Change in revision R02 compared to R01:

1. Typing errors in the Interpretation and Specificity Tables and the Cell Line Validation sheet have been corrected.