

101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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“Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information  
**Olerup SSP<sup>®</sup> HLA-C\*06**

Product number:	101.614-12 – including <i>Taq</i> polymerase 101.614-12u – without <i>Taq</i> polymerase
Lot number:	76N
Expiry date:	2015-January-01
Number of tests:	12
Number of wells per test:	41
Storage - pre-aliquoted primers:	dark at -20°C
- PCR Master Mix:	-20°C
- Adhesive PCR seals	RT
- Product Insert	RT

**This Product Description is only valid for Lot No. 76N.**

**CHANGES COMPARED TO THE PREVIOUS OLERUP SSP<sup>®</sup>  
HLA-C\*06 LOT (31M)**

The HLA-C\*06 specificity and interpretation tables have been updated for the HLA-C alleles described since the previous *Olerup SSP<sup>®</sup>* HLA-C\*06 lot was made (Lot No. 31M).

The HLA-C\*06 kit is updated for new alleles to enable separation of:

- Confirmed<sup>1</sup> alleles as listed in the IMGT/HLA database
- Polymorphisms in exons outside of the region encoding the peptide binding domain
- Null and Alternatively expressed alleles

Ten wells have been added to the HLA-C\*06 kit, wells **32 to 41**.

The Lot-specific information for HLA-C\*06 including and without *Taq* polymerase is now described in one common Product Insert.

<sup>1</sup>As described in section Uniquely Identified Alleles.

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The primers of the wells detailed below have been exchanged, added or modified compared to the previous lot.

Well	5'-primer	3'-primer	rationale
2	Added	-	5'-primer added for the C*06:02:16 allele.
5	-	-	Exchanged positive control primer pair.
6	Exchanged	-	Improved specificity of primer pair.
12	Moved	Moved	Primer pair moved to well 32 for decreased primer oligomer formation.
13	Added	Added	Primer pair added for the C*06:59 alleles.
14	Added	Added	Primer pair added for the C*06:55 alleles.
16	Moved	Moved	Primer pair moved to well 34 for decreased primer oligomer formation.
17	-	Added	3'-primer added for the C*06:59 allele.
28	Added	-	5'-primer added for the C*06:47 allele.
29	Added	-	5'-primer added for the C*06:47 allele.
32	New, added	New, added	Primer pair from well 12, new primer pair for the C*06:66 allele.
33	New	New	New primer pairs for the C*06:60 and *06:69 alleles.
34	New	New	Primer pair from well 16.
35	New	New	New primer pairs for the C*06:46N and 06:65 alleles.
36	New	New	New primer pairs for the C*06:57 and 06:58 alleles.
37	New	New	New primer pair for the C*06:49N allele.
38	New	New	New primer pairs for the C*06:70 and 06:73 alleles.
39	New	New	New primer pair for the C*06:50 allele.
40	New	New	New primer pair for the C*06:54 allele.
41	New	New	New primer pair for the C*06:03:02 and 06:76 alleles.

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## PRODUCT DESCRIPTION

### HLA-C\*06 SSP subtyping

#### CONTENT

The primer set contains 5'- and 3'-primers for identifying the HLA-C\*06:02 to HLA-C\*06:76 alleles.

#### PLATE LAYOUT

Each test consists of 41 PCR reactions in a 48 well PCR plate. Wells 42 to 58 are empty.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>
<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
<b>41</b>	empty	empty	empty	empty	empty	empty	empty

The 48 well cut PCR plate is marked with ‘HLA-C\*06’ in silver/gray ink.

Well No. 1 is marked with the Lot No. ‘76N’.

A faint row of numbers is seen between wells 1 and 2 or wells 7 and 8 of the PCR trays. These stem from the manufacture of the trays, and should be disregarded.

The PCR plates are covered with a PCR-compatible foil.

**Please note:** When removing each 48 well PCR plate, make sure that the remaining plates stay covered. Use a scalpel or a similar instrument to carefully cut the foil between the plates.

#### INTERPRETATION

The interpretation of HLA-C\*06 SSP subtypings will be influenced by the C\*01, nine C\*02, the C\*03, six C\*04, the C\*05, several C\*07, the C\*08, most C\*12, the C\*14, the C\*15, eight C\*16, the C\*17 and the C\*18 alleles when present on the other haplotype. In addition, the B\*58:02 allele will be amplified by primer mix 4, the B\*15:137 allele will be amplified by the primer mix 9, the B\*15:193 allele will be amplified by the primer mix 10 and 11, the B\*35:178 allele will be amplified by the primer mix 14, the B\*08:56, B\*15:142, B\*51:68 and B\*57:49 alleles will be amplified by primer mix 19, the B\*13:31, B\*13:41, B\*15:58, B\*15:73, B\*15:137, B\*39:36 and B\*55:21 alleles will be amplified by primer mix 24, the B B\*15:207 allele will be amplified by the primer mix 29 and the B\*51:39 allele will be amplified by the primer mix 41.

#### UNIQUELY IDENTIFIED ALLELES

All the HLA-C\*06 alleles, i.e. **C\*06:02 to C\*06:76**, recognized by the HLA Nomenclature Committee in April 2012<sup>1</sup> will be amplified by the primers in the HLA-C\*06 SSP kit<sup>2</sup>.

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The HLA-C\*06 kit enables separation of the confirmed HLA-C\*06 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources. Current allele confirmation status for HLA-C\*06 alleles is listed below.

The HLA-C\*06 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles

The HLA-C\*06 primer set cannot distinguish the silent mutations in the C\*06:02:01:01-06:02:01:02 and 06:02:03-06:02:19 alleles.

The C\*06:07 and C\*06:33 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 7.

The C\*06:16N and C\*06:21 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 16.

The C\*06:24 and C\*06:37 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 17.

The C\*06:25 and C\*06:36 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 21.

The C\*06:27 and C\*06:29 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.

The C\*06:28 and C\*06:32 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 19.

The C\*06:46N and C\*06:65 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

The C\*06:57 and C\*06:58 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

The C\*06:60 and C\*06:69 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 33.

The C\*06:70 and C\*06:73 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

<sup>1</sup>HLA-C alleles listed on the IMGT/HLA web page 2012-April-12, release 3.8.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

<sup>2</sup>The HLA-C\*06 primer set cannot separate the C\*06:72 and the C\*03:39 and 12:16 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C\*03 and HLA-C\*12 high resolution kit.

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## ALLELE CONFIRMATION STATUS

Allele	Status <sup>1</sup>	Allele	Status <sup>1</sup>	Allele	Status <sup>1</sup>	Allele	Status <sup>1</sup>
<b>C*06:02:01:01</b>	<b>Confirmed</b>	C*06:13	Unconfirmed	<b>C*06:43</b>	<b>Confirmed</b>	C*06:73	Unconfirmed
<b>C*06:02:01:02</b>	<b>Confirmed</b>	<b>C*06:14</b>	<b>Confirmed</b>	C*06:44	Unconfirmed	C*06:74	Unconfirmed
<b>C*06:02:03</b>	<b>Confirmed</b>	<b>C*06:15</b>	<b>Confirmed</b>	C*06:45	Unconfirmed	C*06:75	Unconfirmed
<b>C*06:02:04</b>	<b>Confirmed</b>	C*06:16N	Unconfirmed	C*06:46N	Unconfirmed	C*06:76	Unconfirmed
<b>C*06:02:05</b>	<b>Confirmed</b>	C*06:17	Unconfirmed	<b>C*06:47</b>	<b>Confirmed</b>		
<b>C*06:02:06</b>	<b>Confirmed</b>	<b>C*06:18</b>	<b>Confirmed</b>	C*06:48	Unconfirmed		
<b>C*06:02:07</b>	<b>Confirmed</b>	C*06:19	Unconfirmed	<b>C*06:49N</b>	<b>Confirmed</b>		
<b>C*06:02:08</b>	<b>Confirmed</b>	C*06:20	Unconfirmed	<b>C*06:50</b>	<b>Confirmed</b>		
<b>C*06:02:09</b>	<b>Confirmed</b>	C*06:21	Unconfirmed	C*06:51	Unconfirmed		
C*06:02:10	Unconfirmed	C*06:22	Unconfirmed	C*06:52	Unconfirmed		
C*06:02:11	Unconfirmed	<b>C*06:23</b>	<b>Confirmed</b>	C*06:53	Unconfirmed		
<b>C*06:02:12</b>	<b>Confirmed</b>	<b>C*06:24</b>	<b>Confirmed</b>	<b>C*06:54</b>	<b>Confirmed</b>		
C*06:02:13	Unconfirmed	C*06:25	Unconfirmed	C*06:55	Unconfirmed		
C*06:02:14	Unconfirmed	<b>C*06:26</b>	<b>Confirmed</b>	C*06:56	Unconfirmed		
C*06:02:15	Unconfirmed	<b>C*06:27</b>	<b>Confirmed</b>	<b>C*06:57</b>	<b>Confirmed</b>		
C*06:02:16	Unconfirmed	<b>C*06:28</b>	<b>Confirmed</b>	<b>C*06:58</b>	<b>Confirmed</b>		
C*06:02:17	Unconfirmed	C*06:29	Unconfirmed	<b>C*06:59</b>	<b>Confirmed</b>		
C*06:02:18	Unconfirmed	<b>C*06:30</b>	<b>Confirmed</b>	<b>C*06:60</b>	<b>Confirmed</b>		
C*06:02:19	Unconfirmed	C*06:31	Unconfirmed	C*06:61	Unconfirmed		
C*06:03:01	Unconfirmed	C*06:32	Unconfirmed	C*06:62	Unconfirmed		
C*06:03:02	Unconfirmed	<b>C*06:33</b>	<b>Confirmed</b>	C*06:63	Unconfirmed		
<b>C*06:04</b>	<b>Confirmed</b>	<b>C*06:34</b>	<b>Confirmed</b>	C*06:64	Unconfirmed		
C*06:05	Unconfirmed	<b>C*06:35</b>	<b>Confirmed</b>	<b>C*06:65</b>	<b>Confirmed</b>		
<b>C*06:06</b>	<b>Confirmed</b>	C*06:36	Unconfirmed	<b>C*06:66</b>	<b>Confirmed</b>		
C*06:07	Unconfirmed	C*06:37	Unconfirmed	C*06:67	Unconfirmed		
C*06:08	Unconfirmed	C*06:38	Unconfirmed	C*06:68	Unconfirmed		
<b>C*06:09</b>	<b>Confirmed</b>	C*06:39	Unconfirmed	<b>C*06:69</b>	<b>Confirmed</b>		
C*06:10	Unconfirmed	C*06:40	Unconfirmed	<b>C*06:70</b>	<b>Confirmed</b>		
<b>C*06:11</b>	<b>Confirmed</b>	C*06:41	Unconfirmed	C*06:71	Unconfirmed		
<b>C*06:12</b>	<b>Confirmed</b>	C*06:42	Unconfirmed	C*06:72	Unconfirmed		

<sup>1</sup>Allele status “confirmed” or “unconfirmed” as listed on the IMGT/HLA web page 2012-April-12, release 3.8.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

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**RESOLUTION IN HOMO- AND HETEROZYGOTES**

A total of 94 alleles generate 52 amplification patterns that can be combined in 1378 homozygous and heterozygous combinations. 440 of these genotypes do not give rise to unique amplification patterns. The different lengths of the specific PCR products were not considered in these calculations.

+-----	-----	-----	-+-----	-----	-	*06:40, *06:40 = *06:40, *06:72
+-----	-----	-----	+-----	-----	-	*06:35, *06:35 = *06:35, *06:72
+-----	-----	-----	-----	-----	-	*06:14, *06:14 = *06:14, *06:72
+-----	-----	-----	-----	-----	-	*06:06, *06:06 = *06:06, *06:72
+-----	-----	-----	-----	-----	-	*06:04, *06:04 = *06:04, *06:72
++-----	-----	-----	-----	-----	-	*06:02:01:01, *06:02:01:01 = *06:02:01:01, *06:72
-++-----	-----	-----	-----	-----	+	*06:03:01, *06:03:01 = *06:03:01, *06:03:02
+-----	-----	-----	-----	-----	-	*06:05, *06:05 = *06:05, *06:06 = *06:05, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:03:02 = *06:03:02, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:54 = *06:54, *06:54 = *06:54, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:50 = *06:50, *06:50 = *06:50, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:70 = *06:70, *06:70 = *06:70, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:49N = *06:49N, *06:49N = *06:49N, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:57 = *06:57, *06:57 = *06:57, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:46N = *06:46N, *06:46N = *06:46N, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:60 = *06:60, *06:60 = *06:60, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:66 = *06:66, *06:66 = *06:66, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:45 = *06:45, *06:45 = *06:45, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:44 = *06:44, *06:44 = *06:44, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:43 = *06:43, *06:43 = *06:43, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:41 = *06:41, *06:41 = *06:41, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:40 = *06:02:01:01, *06:42 = *06:40, *06:42 = *06:42, *06:42 = *06:42, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:39 = *06:39, *06:39 = *06:39, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:38 = *06:38, *06:38 = *06:38, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:34 = *06:02:01:01, *06:35 = *06:34, *06:34 = *06:34, *06:35 = *06:34, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:31 = *06:31, *06:31 = *06:31, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:30 = *06:30, *06:30 = *06:30, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:25 = *06:25, *06:25 = *06:25, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:27 = *06:27, *06:27 = *06:27, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:28 = *06:28, *06:28 = *06:28, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:26 = *06:26, *06:26 = *06:26, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:24 = *06:24, *06:24 = *06:24, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:16N = *06:16N, *06:16N = *06:16N, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:15 = *06:15, *06:15 = *06:15, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:14 = *06:02:01:01, *06:55 = *06:14, *06:55 = *06:55, *06:55 = *06:55, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:13 = *06:13, *06:13 = *06:13, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:12 = *06:12, *06:12 = *06:12, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:11 = *06:11, *06:11 = *06:11, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:10 = *06:10, *06:10 = *06:10, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:17 = *06:17, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:08 = *06:08, *06:08 = *06:08, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:07 = *06:07, *06:07 = *06:07, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:67 = *06:67, *06:67 = *06:67, *06:72
++-----	-----	-----	-----	-----	+	*06:02:01:01, *06:47 = *06:41, *06:43 = *06:41, *06:47 = *06:43, *06:47 = *06:47, *06:47 = *06:47, *06:72
++-----	-----	-----	-----	-----	+	*06:03:02, *06:40 = *06:03:02, *06:42
++-----	-----	-----	-----	-----	+	*06:40, *06:54 = *06:42, *06:54
++-----	-----	-----	-----	-----	+	*06:40, *06:50 = *06:42, *06:50
++-----	-----	-----	-----	-----	+	*06:40, *06:70 = *06:42, *06:70
++-----	-----	-----	-----	-----	+	*06:40, *06:49N = *06:42, *06:49N
++-----	-----	-----	-----	-----	+	*06:40, *06:57 = *06:42, *06:57
++-----	-----	-----	-----	-----	+	*06:40, *06:46N = *06:42, *06:46N



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++-----	-----	---+-----	+-----	-	*06:40, *06:60 = *06:42, *06:60
++-----	-----	---+-----	-----	-	*06:40, *06:66 = *06:42, *06:66
++-----	-----	---+-----	-----	-	*06:40, *06:45 = *06:42, *06:45
++-----	-----	---+-----	-----	-	*06:40, *06:44 = *06:42, *06:44
++-----	-----	---+-----	-----	-	*06:40, *06:43 = *06:42, *06:43
++-----	-----	---+-----	-----	-	*06:40, *06:41 = *06:41, *06:42
++-----	-----	---+-----	-----	-	*06:39, *06:40 = *06:39, *06:42
++-----	-----	---+-----	-----	-	*06:38, *06:40 = *06:38, *06:42
++-----	-----	---+-----	-----	+	*06:03:02, *06:34 = *06:03:02, *06:35
++-----	-----	---+-----	-----	+	*06:34, *06:54 = *06:35, *06:54
++-----	-----	---+-----	-----	+	*06:34, *06:50 = *06:35, *06:50
++-----	-----	---+-----	-----	+	*06:34, *06:70 = *06:35, *06:70
++-----	-----	---+-----	-----	+	*06:34, *06:49N = *06:35, *06:49N
++-----	-----	---+-----	-----	+	*06:34, *06:57 = *06:35, *06:57
++-----	-----	---+-----	-----	+	*06:34, *06:46N = *06:35, *06:46N
++-----	-----	---+-----	-----	+	*06:34, *06:60 = *06:35, *06:60
++-----	-----	---+-----	-----	+	*06:34, *06:66 = *06:35, *06:66
++-----	-----	---+-----	-----	+	*06:34, *06:45 = *06:35, *06:45
++-----	-----	---+-----	-----	+	*06:34, *06:44 = *06:35, *06:44
++-----	-----	---+-----	-----	+	*06:34, *06:43 = *06:35, *06:43
++-----	-----	---+-----	-----	+	*06:34, *06:41 = *06:35, *06:41
++-----	-----	---+-----	-----	+	*06:34, *06:40 = *06:34, *06:42 = *06:35, *06:42
++-----	-----	---+-----	-----	+	*06:34, *06:39 = *06:35, *06:39
++-----	-----	---+-----	-----	+	*06:34, *06:38 = *06:35, *06:38
++-----	-----	---+-----	-----	+	*06:31, *06:40 = *06:31, *06:42
++-----	-----	---+-----	-----	+	*06:31, *06:34 = *06:31, *06:35
++-----	-----	---+-----	-----	+	*06:30, *06:40 = *06:30, *06:42
++-----	-----	---+-----	-----	+	*06:30, *06:34 = *06:30, *06:35
++-----	-----	---+-----	-----	+	*06:25, *06:40 = *06:25, *06:42
++-----	-----	---+-----	-----	+	*06:25, *06:34 = *06:25, *06:35
++-----	-----	---+-----	-----	+	*06:27, *06:40 = *06:27, *06:42
++-----	-----	---+-----	-----	+	*06:27, *06:34 = *06:27, *06:35
++-----	-----	---+-----	-----	+	*06:28, *06:40 = *06:28, *06:42
++-----	-----	---+-----	-----	+	*06:28, *06:34 = *06:28, *06:35
++-----	-----	---+-----	-----	+	*06:26, *06:40 = *06:26, *06:42
++-----	-----	---+-----	-----	+	*06:26, *06:34 = *06:26, *06:35
++-----	-----	---+-----	-----	+	*06:24, *06:40 = *06:24, *06:42
++-----	-----	---+-----	-----	+	*06:24, *06:34 = *06:24, *06:35
++-----	-----	---+-----	-----	+	*06:16N, *06:40 = *06:16N, *06:42
++-----	-----	---+-----	-----	+	*06:16N, *06:34 = *06:16N, *06:35
++-----	-----	---+-----	-----	+	*06:15, *06:40 = *06:15, *06:42
++-----	-----	---+-----	-----	+	*06:15, *06:34 = *06:15, *06:35
++-----	-----	---+-----	-----	+	*06:03:02, *06:14 = *06:03:02, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:54 = *06:54, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:50 = *06:50, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:70 = *06:55, *06:70
++-----	-----	---+-----	-----	+	*06:14, *06:49N = *06:49N, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:57 = *06:55, *06:57
++-----	-----	---+-----	-----	+	*06:14, *06:46N = *06:46N, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:60 = *06:55, *06:60
++-----	-----	---+-----	-----	+	*06:14, *06:66 = *06:55, *06:66
++-----	-----	---+-----	-----	+	*06:14, *06:45 = *06:45, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:44 = *06:44, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:43 = *06:43, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:41 = *06:41, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:42 = *06:40, *06:55 = *06:42, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:39 = *06:39, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:38 = *06:38, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:34 = *06:34, *06:55 = *06:35, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:31 = *06:31, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:30 = *06:30, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:25 = *06:25, *06:55
++-----	-----	---+-----	-----	+	*06:14, *06:27 = *06:27, *06:55





101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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++-----	-----++	---+-----	-----	-----	-	*06:14, *06:28 = *06:28, *06:55
++-----	-----++	---+-----	-----	-----	-	*06:14, *06:26 = *06:26, *06:55
++-----	-----++	---+-----	-----	-----	-	*06:14, *06:24 = *06:24, *06:55
++-----	-----++	-----	-----	-----	-	*06:14, *06:16N = *06:16N, *06:55
++-----	-----++	-----	-----	-----	-	*06:14, *06:15 = *06:15, *06:55
++-----	-----++	-----	-----	-----	-	*06:13, *06:40 = *06:13, *06:42
++-----	-----++	-----	-----	-----	-	*06:13, *06:34 = *06:13, *06:35
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:59 = *06:13, *06:24 = *06:13, *06:59 = *06:24, *06:59 = *06:59, *06:59 = *06:59, *06:72
++-----	-----++	-----	-----	-----	-	*06:13, *06:14 = *06:13, *06:55
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:20 = *06:12, *06:20 = *06:20, *06:20 = *06:20, *06:72
++-----	-----++	-----	-----	-----	-	*06:12, *06:40 = *06:12, *06:42
++-----	-----++	-----	-----	-----	-	*06:12, *06:34 = *06:12, *06:35
++-----	-----++	-----	-----	-----	-	*06:12, *06:14 = *06:12, *06:55
++-----	-----++	-----	-----	-----	-	*06:11, *06:40 = *06:11, *06:42
++-----	-----++	-----	-----	-----	-	*06:11, *06:34 = *06:11, *06:35
++-----	-----++	-----	-----	-----	-	*06:11, *06:14 = *06:11, *06:55
++-----	-----++	-----	-----	-----	-	*06:10, *06:40 = *06:10, *06:42
++-----	-----++	-----	-----	-----	-	*06:10, *06:34 = *06:10, *06:35
++-----	-----++	-----	-----	-----	-	*06:10, *06:14 = *06:10, *06:55
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:22 = *06:10, *06:11 = *06:10, *06:22 = *06:11, *06:22 = *06:22, *06:22 = *06:22, *06:72
++-----	-----++	-----	-----	-----	-	*06:17, *06:40 = *06:17, *06:42
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:09 = *06:09, *06:09 = *06:09, *06:17 = *06:09, *06:34 = *06:09, *06:35 = *06:09, *06:72 = *06:17, *06:34 = *06:17, *06:35
++-----	-----++	-----	-----	-----	-	*06:14, *06:17 = *06:17, *06:55
++-----	-----++	-----	-----	-----	-	*06:08, *06:40 = *06:08, *06:42
++-----	-----++	-----	-----	-----	-	*06:08, *06:34 = *06:08, *06:35
++-----	-----++	-----	-----	-----	-	*06:08, *06:14 = *06:08, *06:55
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:19 = *06:07, *06:19 = *06:07, *06:66 = *06:19, *06:19 = *06:19, *06:66 = *06:19, *06:72
++-----	-----++	-----	-----	-----	-	*06:07, *06:40 = *06:07, *06:42
++-----	-----++	-----	-----	-----	-	*06:07, *06:34 = *06:07, *06:35
++-----	-----++	-----	-----	-----	-	*06:07, *06:14 = *06:07, *06:55
++-----	-----++	-----	-----	-----	-	*06:40, *06:67 = *06:42, *06:67
++-----	-----++	-----	-----	-----	-	*06:34, *06:67 = *06:35, *06:67
++-----	-----++	-----	-----	-----	-	*06:14, *06:67 = *06:55, *06:67
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:23 = *06:17, *06:23 = *06:17, *06:67 = *06:23, *06:23 = *06:23, *06:67 = *06:23, *06:72
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:05 = *06:05, *06:67 = *06:06, *06:67
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:03:01 = *06:03:01, *06:72
++-----	-----++	-----	-----	-----	-	*06:02:01:01, *06:18 = *06:18, *06:18 = *06:18, *06:67 = *06:18, *06:72
++-----	-----++	-----	-----	-----	-	*06:40, *06:47 = *06:42, *06:47
++-----	-----++	-----	-----	-----	-	*06:34, *06:47 = *06:35, *06:47
++-----	-----++	-----	-----	-----	-	*06:14, *06:47 = *06:47, *06:55
++-----	-----++	-----	-----	-----	-	*06:40, *06:59 = *06:42, *06:59
++-----	-----++	-----	-----	-----	-	*06:34, *06:59 = *06:35, *06:59
++-----	-----++	-----	-----	-----	-	*06:14, *06:59 = *06:55, *06:59
++-----	-----++	-----	-----	-----	-	*06:20, *06:40 = *06:20, *06:42
++-----	-----++	-----	-----	-----	-	*06:20, *06:34 = *06:20, *06:35
++-----	-----++	-----	-----	-----	-	*06:14, *06:20 = *06:20, *06:55
++-----	-----++	-----	-----	-----	-	*06:22, *06:40 = *06:22, *06:42
++-----	-----++	-----	-----	-----	-	*06:22, *06:34 = *06:22, *06:35
++-----	-----++	-----	-----	-----	-	*06:14, *06:22 = *06:22, *06:55
++-----	-----++	-----	-----	-----	-	*06:09, *06:40 = *06:09, *06:42
++-----	-----++	-----	-----	-----	-	*06:09, *06:14 = *06:09, *06:55
++-----	-----++	-----	-----	-----	-	*06:19, *06:40 = *06:19, *06:42
++-----	-----++	-----	-----	-----	-	*06:19, *06:34 = *06:19, *06:35
++-----	-----++	-----	-----	-----	-	*06:14, *06:19 = *06:19, *06:55
++-----	-----++	-----	-----	-----	-	*06:23, *06:40 = *06:23, *06:42



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++-+--	+-----	-----+	-----	-----	-	*06:09, *06:23 = *06:09, *06:67 = *06:23, *06:34 = *06:23, *06:35
++-+--	+-----	-----	-----	-----	-	*06:14, *06:23 = *06:23, *06:55
++-+--	+-----	-----	-----	-----	-	*06:05, *06:17 = *06:05, *06:23 = *06:06, *06:23
+++----	-----	-----	-+-----	-----	+	*06:03:01, *06:40 = *06:03:01, *06:42
+++----	-----	-----+	-----	-----	+	*06:03:01, *06:34 = *06:03:01, *06:35
+++----	-----+	-----	-----	-----	+	*06:03:01, *06:14 = *06:03:01, *06:55
++++---	-----	-----	-----	-----	+	*06:03:01, *06:18 = *06:03:01, *06:67 = *06:03:02, *06:18
++++---	-----	-----	-+-----	-----	-	*06:18, *06:40 = *06:18, *06:42
++++---	-----	-----+	-----	-----	-	*06:18, *06:34 = *06:18, *06:35
++++---	-----+	-----	-----	-----	-	*06:14, *06:18 = *06:18, *06:55
++++---	+-----	-----	-----	-----	-	*06:17, *06:18 = *06:18, *06:23
++++---	-----	-----	-----	-----	-	*06:05, *06:18 = *06:06, *06:18

\*06:02:01:01 = \*06:02:01:01-06:02:01:02, 06:02:03-06:02:19 and 06:48, 06:51-06:53, 06:56,06:61-06:64,  
 06:68, 06:71 and 06:74-06:75  
 \*06:03:02 = \*06:03:02 and 06:76  
 \*06:07 = \*06:07 and 06:33  
 \*06:16N = \*06:16N and 06:21  
 \*06:24 = \*06:24 and 06:37  
 \*06:25 = \*06:25 and 06:36  
 \*06:27 = \*06:27 and 06:29  
 \*06:28 = \*06:28 and 06:32  
 \*06:46N = \*06:46N and 06:65  
 \*06:57 = \*06:57 and 06:58  
 \*06:60 = \*06:60 and 06:69  
 \*06:70 = \*06:70 and 06:73

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Lot-specific information  
**SPECIFICITY TABLE**

**HLA-C\*06 SSP subtyping**

Specificities and sizes of the PCR products of the 41 primer mixes used for  
 HLA-C\*06 SSP subtyping

Primer Mix	Size of spec. PCR product <sup>1</sup>	Size of control band <sup>2</sup>	Amplified HLA-C*06 alleles <sup>3</sup>	Other amplified HLA Class I alleles <sup>4</sup>
<b>1</b>	240 bp	<b>800 bp</b>	*06:02:01:01-06:02:01:02, 06:02:03-06:02:19, 06:04-06:16N, 06:18-06:75	*03:39, 03:67, 04:42, 05:43, 08:37, 12:16, 16:21
<b>2</b>	220 bp	<b>800 bp</b>	*06:02:01:01-06:02:01:02, 06:02:03-06:03:02, 06:07-06:13, 06:15-06:34, 06:36-06:39, 06:41-06:71, 06:73-06:76	*01:04, 01:09, 02:05, 02:17, 12:03:01:01-12:07, 12:11-12:13, 12:15, 12:23, 12:25-12:26, 12:28-12:29, 12:31-12:35, 12:37-12:39N, 12:42Q-12:43, 12:45-12:48, 12:50-12:55, 12:57-12:63, 12:65-12:66, 12:70-12:71, 12:75-12:76, 14:16, 16:04, 16:29, 16:33, 16:42
<b>3</b>	135 bp	1070 bp	*06:03:01, 06:18	*02:02:13, 03:02:01-03:04:14, 03:04:16-03:04:24, 03:05-03:17, 03:19-03:38:02, 03:40:01-03:66, 03:67 <sup>w</sup> , 03:68-03:98, 03:100-03:117, 03:119-03:136, 03:138-03:143, 03:146, 07:96, 15:02:10, 15:43
<b>4</b>	250 bp	1070 bp	*06:04	*01:22, 01:35, 05:11, 05:17, 05:27, 05:68, 08:01:01-08:01:05, 08:03:01-08:04:02, 08:06, 08:08-08:11, 08:13-08:14, 08:16:01-08:16:02, 08:20-08:22, 08:24, 08:26N, 08:36N, 08:38-08:42, 08:44, 08:46, 08:50, 08:54, 08:56-08:60, 12:14:01-12:14:02, 12:18:01-12:18:02, 12:20, 14:06, 14:15, 15:02:01-15:07, 15:09-15:13, 15:15-15:24, 15:26-15:50, 15:52-15:60, 16:35, 16:40, 17:01:01:01-17:11, <b>B*58:02</b>
<b>5<sup>7</sup></b>	165 bp, 220 bp	<b>800 bp</b>	*06:05, 06:18, 06:23, 06:67	*01:04, 01:09, 02:21, 05:01:01:01-05:01:18, 05:03-05:28, 05:30-05:47, 05:49-05:74, 08:10, 12:21, 12:33, 17:05
<b>6</b>	250 bp	1070 bp	*06:05-06:06	*01:02:01-01:03, 01:05-01:08, 01:10-01:20, 01:23-01:34, 01:36-01:66, 05:01:01:01-05:01:18, 05:03-05:07N, 05:09:01-05:10,

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				05:12-05:16, 05:18:01-05:26, 05:28-05:50, 05:53-05:61, 05:63-05:67, 05:69, 05:71- 05:74, 08:02:01-08:02:07, 08:05, 08:07, 08:12, 08:15:01-08:15:02, 08:17-08:19, 08:23, 08:25, 08:28, 08:30, 08:32-08:35, 08:37, 08:43, 08:45, 08:47-08:49, 08:51- 08:53, 08:55N, 12:09, 12:24, 14:02:01- 14:05, 14:07N-14:14, 14:17-14:37, 15:08, 18:01-18:02, 18:04-18:05
<b>7<sup>5,8</sup></b>	110 bp, 185 bp, 235 bp	1070 bp	*06:07, 06:19, 06:33	
<b>8</b>	240 bp	1070 bp	*06:08	*01:10, 02:05, 02:17, 14:25, 16:29
<b>9<sup>9</sup></b>	165 bp, 210 bp, 435 bp	1070 bp	*06:09, 06:17, 06:23	*01:04, 01:09, 02:22, 04:94:01-04:94:02, 05:08, 05:52, 07:07, 07:09, 07:76, 08:27, 08:29, 08:31, 12:31, 18:01-18:05, <b>B*15:137</b>
<b>10</b>	190 bp	<b>800 bp</b>	*06:10, 06:22	*07:107, 07:224, 16:31, <b>B*15:193</b>
<b>11<sup>10</sup></b>	130 bp, 185 bp	1070 bp	*06:11, 06:22	*07:01:13, 07:04:01-07:04:07, 07:11-07:12, 07:45, 07:63, 07:68, 07:101, 07:107, 07:139, 07:142, 07:181, 07:199, 07:224, 12:03:09, 16:31, <b>B*15:193</b>
<b>12<sup>6,11</sup></b>	205 bp, 275 bp	1070 bp	*06:12, 06:20	*01:32, 02:56, 03:102, 07:81, 07:168, 12:50
<b>13<sup>12</sup></b>	155 bp, 210 bp	1070 bp	*06:13, 06:59	
<b>14<sup>13</sup></b>	225 bp, 305 bp	1070 bp	*06:14, 06:55	*03:32, 03:45, 03:136, 04:80, 04:100, 07:10, 07:43, 07:196, 15:25, <b>B*35:178</b>
<b>15</b>	360 bp	<b>800 bp</b>	*06:15	
<b>16<sup>6,14</sup></b>	235 bp, 340 bp	1070 bp	*06:16N, 06:21	
<b>17<sup>6,15</sup></b>	160 bp, 220 bp	1070 bp	*06:24, 06:37, 06:59	*01:20
<b>18</b>	220 bp	1070 bp	*06:26	
<b>19<sup>5,16</sup></b>	85 bp, 160 bp	<b>800 bp</b>	*06:28, 06:32	*02:14, 03:67, 04:42, 05:43, 07:20, 07:73, 07:172, 08:37, 15:23, 16:21, 18:04, <b>B*08:56, B*15:142, B*51:68, B*57:49</b>
<b>20<sup>5,17</sup></b>	115 bp, 275 bp	1070 bp	*06:27, 06:29	*07:134
<b>21<sup>18</sup></b>	190 bp, 380 bp	1070 bp	*06:25, 06:36	*04:81, 12:56
<b>22</b>	170 bp	1070 bp	*06:30	*02:02:13, 07:181, 12:03:09
<b>23</b>	205 bp	1070 bp	*06:31	*16:04, 16:29, 16:33, 16:42
<b>24<sup>19</sup></b>	160 bp, 210 bp	1070 bp	*06:09, 06:34- 06:35	*02:22, 02:47, 04:94:01-04:94:02, 05:08, 05:52, 08:27, 08:29, 08:31, 12:31, 18:03, <b>B*13:31, B*13:41, B*15:58, B*15:73, B*15:137, B*39:36, B*55:21</b>

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<b>25</b> <sup>5</sup>	85 bp	1070 bp	*06:38	
<b>26</b>	130 bp	1070 bp	*06:39	
<b>27</b> <sup>6,20</sup>	190 bp, 225 bp	1070 bp	*06:40, 06:42	*14:29
<b>28</b> <sup>5,21</sup>	90 bp, 210 bp	1070 bp	*06:41, 06:47	*12:11, 12:32
<b>29</b> <sup>22</sup>	175 bp, 210 bp	1070 bp	*06:43, 06:47	*12:11, <b>B*15:207</b>
<b>30</b> <sup>5</sup>	100 bp	1070 bp	*06:44	*07:01:13
<b>31</b>	155 bp	1070 bp	*06:45	
<b>32</b> <sup>23</sup>	185 bp, 205 bp	1070 bp	*06:19, 06:66	
<b>33</b> <sup>5,24</sup>	105 bp, 245 bp	1070 bp	*06:60, 06:69	
<b>34</b>	275 bp	1070 bp	*06:20	*01:32, 02:56, 03:102, 07:81, 07:168, 12:50
<b>35</b> <sup>25</sup>	230 bp, 380 bp	1070 bp	*06:46N, 06:65	
<b>36</b> <sup>5,26</sup>	120 bp, 215 bp	1070 bp	*06:57-06:58	
<b>37</b>	205 bp	1070 bp	*06:49N	
<b>38</b> <sup>5,27</sup>	120 bp, 470 bp	1070 bp	*06:70, 06:73	*02:02:13, 08:20, 08:40
<b>39</b>	290 bp	1070 bp	*06:50	*02:20, 12:53
<b>40</b>	275 bp	1070 bp	*06:54	
<b>41</b>	155 bp	1070 bp	*06:03:01- 06:03:02, 06:76	*02:02:13, 12:03:09, <b>B*51:39</b>

<sup>1</sup>Alleles are assigned by the presence of specific PCR product(s). However, the sizes of the specific PCR products may be helpful in the interpretation of HLA-C\*06 SSP typings.

When the primers in a primer mix can give rise to specific PCR products of more than one length this is indicated if the size difference is 20 base pairs or more. Size differences shorter than 20 base pairs are not given. For high resolution SSP kits the respective lengths of the specific PCR product(s) of the alleles amplified by these primer mixes are given.

Nonspecific amplifications, i.e. a ladder or a smear of bands, may sometimes be seen. GC-rich primers have a higher tendency of giving rise to nonspecific amplifications than other primers.

PCR fragments longer than the control bands may sometimes be observed. Such bands should be disregarded and do not influence the interpretation of the SSP typings.

PCR fragments migrating faster than the control bands, but slower than a 400 bp fragment may be seen in some gel read-outs. Such bands can be disregarded and do not influence the interpretation of the SSP typings.

Some primers may give rise to primer oligomer artifacts. Sometimes this phenomenon is an inherent feature of the primer pair(s) of a primer mix. More often it is due to other factors such as too low amount of DNA in the PCR reactions, taking too long time in setting up the PCR reactions, working at elevated room temperature or using thermal cyclers that are not pre-heated.

<sup>2</sup>The internal positive control primer pairs amplify segments of the human growth hormone gene. The two different control primer pairs give rise to either an internal positive control band of 1070 base pairs, for most wells, or a band of 800 base pairs, for some wells.

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-C\*06 subtyping.

In addition, wells number 2, 5, 10, 15 and 19 contain the primer pair giving rise to the shorter, 800 bp, internal positive control in order to allow kit identification.

101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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**Lot No.: 76N****Lot-specific information**

In the presence of a specific amplification the intensity of the control band often decreases.

<sup>3</sup>For several HLA-C\*06 alleles 1<sup>st</sup>, 4<sup>th</sup> and 5<sup>th</sup> exon or intron nucleotide sequences are not available. In these instances it is not known whether some of the primers of the SSP sets are completely matched with the target sequences or not. We assume that unknown sequences in these regions are conserved within allelic groups.

<sup>4</sup>Due to the sharing of sequence motifs between HLA-C alleles non-HLA-C\*06 alleles will be amplified by primer mixes 1 to 6, 8 to 12, 14, 17, 19 to 24, 27 to 30, 34, 38, 39 and 41. In addition, the B\*58:02 allele will be amplified by primer mix 4, the B\*15:137 allele will be amplified by the primer mix 9, the B\*15:193 allele will be amplified by the primer mix 10 and 11, the B\*35:178 allele will be amplified by the primer mix 14, the B\*08:56, B\*15:142, B\*51:68 and B\*57:49 alleles will be amplified by primer mix 19, the B\*13:31, B\*13:41, B\*15:58, B\*15:73, B\*15:137, B\*39:36 and B\*55:21 alleles will be amplified by primer mix 24, the B\*15:207 allele will be amplified by the primer mix 29 and the B\*51:39 allele will be amplified by the primer mix 41.

<sup>5</sup>Short specific PCR fragments are less intense and not as sharp as longer specific bands.

<sup>6</sup>Primer mixes 12, 16, 17 and 27 have a tendency of giving rise to primer oligomer formation.

<sup>7</sup>Primer mix 5: Specific PCR fragment of 165 bp in the C\*06:05 and 06:67 and in the C\*05:01:01:01-05:01:18, 05:03-05:28, 05:30-05:47, 05:49-05:74, 08:10, 12:21, 12:33 and 17:05 alleles. Specific PCR fragment of 220 bp in the C\*06:18 and 06:23 and the C\*01:04, 01:09 and 02:21 alleles.

<sup>8</sup>Primer mix 7: Specific PCR fragment of 110 bp in the C\*06:07 allele. Specific PCR fragment of 185 bp in the C\*06:19 allele. Specific PCR fragment of 235 bp in the C\*06:33 allele.

<sup>9</sup>Primer mix 9: Specific PCR fragment of 165 bp in the C\*06:09 and the C\*02:22, 04:94:01-04:94:02, 05:08, 05:52, 08:27, 08:29, 08:31, 12:31 and 18:03 alleles and in addition the B\*15:137 allele. Specific PCR fragment of 210 bp in the C\*06:23 and the C\*01:04 and 01:09 alleles. Specific PCR fragment of 435 bp in the C\*06:17 and the C\*07:07, 07:09, 07:76, 18:01, 18:02, 18:04 and 18:05 alleles. Specific PCR fragments of 165 and 435 bp in the C\*18:03 allele.

<sup>10</sup>Primer mix 11: Specific PCR fragment of 130 bp in the C\*06:11 and the C\*07:01:13, 07:04:01-07:04:07, 07:11-07:12, 07:45, 07:63, 07:68, 07:101, 07:139, 07:142, 07:181, 07:199 and 12:03:09 alleles. Specific PCR fragment of 185 bp in the C\*06:22 and the C\*07:107, 07:224 and 16:31 alleles and in addition in the B\*15:193 allele.

<sup>11</sup>Primer mix 12: Specific PCR fragment of 205 bp in the C\*06:12 allele. Specific PCR fragment of 275 bp in the C\*06:20 and in the C\*01:32, 02:56, 03:102, 07:81, 07:168 and 12:50 alleles.

<sup>12</sup>Primer mix 13: Specific PCR fragment of 155 bp in the C\*06:13 allele. Specific PCR fragment of 210 bp in the C\*06:59 allele.

<sup>13</sup>Primer mix 14: Specific PCR fragment of 225 bp in the C\*06:55 allele. Specific PCR fragment of 305 bp in the C\*06:14 and in the C\*03:32, 03:45, 03:136, 04:80, 04:100, 07:10, 07:43, 07:196 and 15:25 alleles and in addition in the B\*35:178 allele.

<sup>14</sup>Primer mix 16: Specific PCR fragment of 235 bp in the C\*06:16N allele. Specific PCR fragment of 340 bp in the C\*06:21 allele.

<sup>15</sup>Primer mix 17: Specific PCR fragment of 160 bp in the C\*06:37 and the C\*01:20 alleles. Specific PCR fragment of 220 bp in the C\*06:24 and 06:59 alleles.

<sup>16</sup>Primer mix 19: Specific PCR fragment of 85 bp in the C\*06:28 and the C\*02:14, 03:67, 04:42, 05:43, 07:20, 07:73, 07:172, 08:37, 15:23, 16:21 and 18:04 alleles and in addition in the B\*08:56, B\*15:142, B\*51:68 and B\*57:49 alleles. Specific PCR fragment of 160 bp in the C\*06:32 allele.

<sup>17</sup>Primer mix 20: Specific PCR fragment of 115 bp in the C\*06:29 and the C\*07:134 alleles. Specific PCR fragment of 275 bp in the C\*06:27 allele.

<sup>18</sup>Primer mix 21: Specific PCR fragment of 190 bp in the C\*06:36 and the C\*12:56 alleles. Specific PCR fragment of 380 bp in the C\*06:25 and the C\*04:81 alleles.

<sup>19</sup>Primer mix 24: Specific PCR fragment of 160 bp in the C\*06:09 and 06:34 and the C\*02:22, 02:47, 04:94:01-04:94:02, 05:08, 05:52, 08:27, 08:29, 08:31, 12:31 and 18:03 alleles, and in addition in the B\*13:31, B\*13:41, B\*15:58, B\*15:73, B\*15:137, B\*39:36 and B\*55:21 alleles. Specific PCR fragment of 210 bp in the C\*06:35 allele.

<sup>20</sup>Primer mix 27: Specific PCR fragment of 190 bp in the C\*06:42 and the C\*14:29 alleles. Specific PCR fragment of 225 bp in the C\*06:40 allele.

101.614-12 – including **Taq pol.**, IFU-01  
101.614-12u– without **Taq pol.**, IFU-02

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**Lot No.: 76N****Lot-specific information**

<sup>21</sup>Primer mix 28: Specific PCR fragment of 90 bp in the C\*06:41 and the C\*12:32 alleles. Specific PCR fragment of 210 bp in the C\*06:47 and the C\*12:11 alleles.

<sup>22</sup>Primer mix 29: Specific PCR fragment of 175 bp in the C\*06:43 allele and in addition in the B\*15:207 allele. Specific PCR fragment of 210 bp in the C\*06:47 and the C\*12:11 alleles.

<sup>23</sup>Primer mix 32: Specific PCR fragment of 185 bp in the C\*06:19 allele. Specific PCR fragment of 205 bp in the C\*06:66 allele.

<sup>24</sup>Primer mix 33: Specific PCR fragment of 105 bp in the C\*06:60 allele. Specific PCR fragment of 245 bp in the C\*06:69 allele.

<sup>25</sup>Primer mix 35: Specific PCR fragment of 230 bp in the C\*06:65 allele. Specific PCR fragment of 380 bp in the C\*06:46N allele.

<sup>26</sup>Primer mix 36: Specific PCR fragment of 120 bp in the C\*06:57 allele. Specific PCR fragment of 215 bp in the C\*06:58 allele.

<sup>27</sup>Primer mix 38: Specific PCR fragment of 120 bp in the C\*06:70 and the C\*02:02:13 alleles. Specific PCR fragment of 470 bp in the C\*06:73 and the C\*08:20 and 08:40 alleles.

‘w’, may be weakly amplified.



101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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Lot No.: 76N

Lot-specific information

INTERPRETATION TABLE																				
HLA-C*06 SSP subtyping																				
Amplification patterns of the C*06:02 to C*06:76 alleles																				
	Well <sup>17</sup>																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Length of spec.	240	220	135	250	165	250	110	240	165	190	130	205	155	225	360	235	160	220	85	115
PCR product(s)					220		185		210		185	275	210	305		340	220		160	275
Length of int.	800	800	1070	1070	800	1070	1070	1070	1070	800	1070	1070	1070	1070	800	1070	1070	1070	800	1070
pos. control <sup>1</sup>																				
5'-primer(s) <sup>2</sup>	28	361	105	2 <sup>nd</sup> I	113	2 <sup>nd</sup> I	107	361	47	142	213	463	361	341	376	397	361	122	97	97
	5'-TCA <sup>3'</sup>	5'-AgT <sup>3'</sup>	5'-gCT <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-CgA <sup>3'</sup>	5'-AgT <sup>3'</sup>	5'-Agg <sup>3'</sup>	5'-TCC <sup>3'</sup>	5'-CCC <sup>3'</sup>	5'-TgA <sup>3'</sup>	5'-AgT <sup>3'</sup>	5'-ggA <sup>3'</sup>	5'-gCT <sup>3'</sup>	5'-gCT <sup>3'</sup>	5'-AgT <sup>3'</sup>	5'-CCT <sup>3'</sup>	5'-TCg <sup>3'</sup>	5'-TCg <sup>3'</sup>
		361	113		176		157		368	419	419	529		894		501				361
		5'-AgT <sup>3'</sup>	5'-CCA <sup>3'</sup>		5'-gCA <sup>3'</sup>		5'-TgA <sup>3'</sup>		5'-gTg <sup>3'</sup>	5'-gTC <sup>3'</sup>	5'-gTC <sup>3'</sup>	5'-AgA <sup>3'</sup>		5'-TgC <sup>3'</sup>		5'-C <sup>3'</sup>				5'-AgT <sup>3'</sup>
					368		232		412											
					5'-gTg <sup>3'</sup>		5'-AgA <sup>3'</sup>		5'-ATA <sup>3'</sup>											
3'-primer(s) <sup>3</sup>	97	538	201	539	302	538	302	559	312	302	302	3 <sup>rd</sup> I	475	353	3 <sup>rd</sup> I	3 <sup>rd</sup> I	479	302	142	172
	5'-gTC <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-TCA <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-CCg <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-AgT <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-ggC <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-TgA <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-TgC <sup>3'</sup>	5'-CAT <sup>3'</sup>
					538				538	565	565		532	956			532		214	595
					5'-CCA <sup>3'</sup>				5'-CCA <sup>3'</sup>	5'-CAT <sup>3'</sup>	5'-CAT <sup>3'</sup>		5'-CTg <sup>3'</sup>	5'-Cag <sup>3'</sup>			5'-CTg <sup>3'</sup>		5'-CCA <sup>3'</sup>	5'-CCA <sup>3'</sup>
																	547			
																	5-gTg <sup>3'</sup>			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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Lot No.: 76N

Lot-specific information

INTERPRETATION TABLE																				
HLA-C*06 SSP subtyping																				
Amplification patterns of the C*06:02 to C*06:76 alleles																				
Well <sup>17</sup>																				
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
190	170	205	160	85	130	190	90	175	100	155	185	105	275	230	120	205	120	290	275	155
380			210			225	210	210			205	245		380	215		470			
1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
28	213	361	368	361	211	361	368	368	213	187	157	97	463	97	366	375	134	2 <sup>nd</sup> I	361	97
5'-TCA 3'	5'-CCC 3'	5'-AgT 3'	5'-gTC 3'	5'-AgT 3'	5'-AgT 3'	5'-AgT 3'	5'-gTC 3'	5'-gTC 3'	5'-CCC 3'	5'-gCT 3'	5'-TgA 3'	5'-TCg 3'	5'-TgA 3'	5'-TCg 3'	5'-ATA 3'	5'-TgA 3'	5'-CCA 3'	5'-CCA 3'	5'-AgT 3'	5'-TCT 3'
388			419			490	406	406			361			742	458		652			97
5'-CCA 3'			5'-gTT 3'			5'-CgT 3'	5'-gCA 3'	5'-gCA 3'			5'-AgT 3'			5'-ACT 3'	5'-ggg 3'		5'-CCA 3'			97
239	341	527	538	404	302	511	538	538	270	302	302	160	3 <sup>rd</sup> I	288	538	538	213	578	594	213
5'-gCT 3'	5'-Cgg 3'	5'-CCg 3'	5'-CCA 3'	5'-CAA 3'	5'-ggT 3'	5'-CCg 3'	5'-CCA 3'	5'-CCA 3'	5'-TAG 3'	5'-ggT 3'	5'-ggT 3'	5'-gTg 3'	5'-CTC 3'	5'-gCA 3'	5'-CCA 3'	5'-CCA 3'	5'-Cgg 3'	5'-TgT 3'	5'-CCC 3'	5'-Cgg 3'
538						544					523	299		956			956			
5'-CCA 3'						5'-ggT 3'					5'-ACA 3'	5'-TCT 3'		5'-Cag 3'			5'-Cag 3'			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
																				Well No.

101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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Lot No.: **76N**

Lot-specific information

Length of spec.	240	220	135	250	165	250	110	240	165	190	130	205	155	225	360	235	160	220	85	115
PCR product(s)					220		185		210		185	275	210	305		340	220		160	275
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>HLA-C allele<sup>4,5</sup></b>																				
<b>*06:02:01:01-06:02:01:02, 06:02:03-06:02:19, 06:48, 06:51-06:53, 06:56, 06:61-06:64, 06:68, 06:71, 06:74-06:75</b>	1	2																		
*06:03:01		2	3																	
*06:03:02, 06:76		2																		
<b>*06:04</b>	1			4																
*06:05	1				5	6														
<b>*06:06</b>	1					6														
<b>*06:07, 06:33<sup>6</sup></b>	1	2					7													
*06:08	1	2						8												
<b>*06:09</b>	1	2							9											
*06:10	1	2								10										
<b>*06:11</b>	1	2									11									
<b>*06:12</b>	1	2										12								
*06:13	1	2											13							
<b>*06:14</b>	1													14						
<b>*06:15</b>	1	2													15					
*06:16N, 06:21 <sup>7</sup>	1	2														16				
*06:17		2							9											
<b>*06:18</b>	1	2	3		5															
*06:19	1	2					7													
*06:20	1	2										12								
*06:22	1	2								10	11									
<b>*06:23</b>	1	2			5				9											
<b>*06:24, 06:37<sup>8</sup></b>	1	2															17			
*06:25, 06:36 <sup>9</sup>	1	2																		
<b>*06:26</b>	1	2																18		
<b>*06:27, 06:29<sup>10</sup></b>	1	2																		20
<b>*06:28, 06:32<sup>11</sup></b>	1	2																	19	
<b>*06:30</b>	1	2																		
*06:31	1	2																		
<b>*06:34</b>	1	2																		
<b>*06:35</b>	1																			
<b>Well No.</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>

101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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Lot No.: **76N**

Lot-specific information

																				Length of spec. PCR product(s)		
380	190	170	205	160	85	130	190	90	175	100	155	185	105	275	230	120	205	120	290	275	155	Well No.
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	HLA-C allele <sup>4,5</sup>	
			210				225	210	210			205	245		380	215		470				*06:02:01:01-06:02:01:02, 06:02:03-06:02:19, 06:48, 06:51-06:53, 06:56, 06:61-06:64, 06:68, 06:71, 06:74-06:75
																					41	*06:03:01
																					41	*06:03:02, 06:76
																						*06:04
																						*06:05
																						*06:06
																						*06:07, 06:33 <sup>6</sup>
																						*06:08
			24																			*06:09
																						*06:10
																						*06:11
																						*06:12
																						*06:13
																						*06:14
																						*06:15
																						*06:16N, 06:21 <sup>7</sup>
																						*06:17
											32											*06:18
														34								*06:19
																						*06:20
																						*06:22
																						*06:23
21																						*06:24, 06:37 <sup>8</sup>
																						*06:25, 06:36 <sup>9</sup>
																						*06:26
																						*06:27, 06:29 <sup>10</sup>
																						*06:28, 06:32 <sup>11</sup>
	22																					*06:30
		23																				*06:31
			24																			*06:34
			24																			*06:35
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Well No.	



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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Lot No.: **76N**

Lot-specific information

Length of spec.	240	220	135	250	165	250	110	240	165	190	130	205	155	225	360	235	160	220	85	115
PCR product(s)					220		185		210		185	275	210	305		340	220		160	275
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
*06:38	1	2																		
*06:39	1	2																		
*06:40	1																			
*06:41	1	2																		
*06:42	1	2																		
<b>*06:43</b>	1	2																		
*06:44	1	2																		
*06:45	1	2																		
*06:46N, 06:65 <sup>12</sup>	1	2																		
<b>*06:47</b>	1	2																		
<b>*06:49N</b>	1	2																		
<b>*06:50</b>	1	2																		
<b>*06:54</b>	1	2																		
*06:55	1	2												14						
<b>*06:57, 06:58<sup>13</sup></b>	1	2																		
<b>*06:59</b>	1	2											13				17			
<b>*06:60, 06:69<sup>14</sup></b>	1	2																		
<b>*06:66</b>	1	2																		
*06:67	1	2			5															
<b>*06:70, 06:73<sup>15</sup></b>	1	2																		
*06:72, 03:39, 12:16 <sup>16</sup>	1																			
*01:02:01-01:03, 01:05-01:08, 01:11-01:19, 01:23-01:31, 01:33-01:34, 01:36-01:66, 05:29, 05:48N, 08:02:01-08:02:07, 08:05, 08:07, 08:12, 08:15:01-08:15:02, 08:17-08:19, 08:23, 08:25, 08:28, 08:30, 08:32-08:35, 08:43, 08:45, 08:47-08:49, 08:51-08:53, 08:55N, 12:09, 12:24, 14:02:01-14:05, 14:07N-14:14, 14:17-14:24, 14:26-14:28, 14:30-14:37, 15:08						6														
*01:04, 01:09		2			5				9											
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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Lot No.: **76N**

Lot-specific information

380	190	170	205	160	85	130	190	90	175	100	155	185	105	275	230	120	205	120	290	275	155	Length of spec. PCR product(s)	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Well No.		
				25																		*06:38	
					26																		*06:39
						27																	*06:40
							28																*06:41
					27																		*06:42
								29															*06:43
									30														*06:44
										31													*06:45
															35								*06:46N, 06:65 <sup>12</sup>
							28	29															*06:47
																	37						*06:49N
																			39				*06:50
																				40			*06:54
																							*06:55
																36							*06:57, 06:58 <sup>13</sup>
																							*06:59
													33										*06:60, 06:69 <sup>14</sup>
											32												*06:66
																							*06:67
																					38		*06:70, 06:73 <sup>15</sup>
																							*06:72, 03:39, 12:16 <sup>16</sup>
																							*01:02:01-01:03, 01:05-01:08, 01:11-01:19, 01:23-01:31, 01:33-01:34, 01:36-01:66, 05:29, 05:48N, 08:02:01-08:02:07, 08:05, 08:07, 08:12, 08:15:01-08:15:02, 08:17-08:19, 08:23, 08:25, 08:28, 08:30, 08:32-08:35, 08:43, 08:45, 08:47-08:49, 08:51-08:53, 08:55N, 12:09, 12:24, 14:02:01-14:05, 14:07N-14:14, 14:17-14:24, 14:26-14:28, 14:30-14:37, 15:08
																							*01:04, 01:09
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Well No.		



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

Length of spec.	240	220	135	250	240	165	250	110	240	165	190	130	205	155	225	360	235	160	220	85	115
PCR product(s)						220		185		210		185	275	210	305		340	220		160	275
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
*01:10, 14:25						6		8													
*01:20						6												17			
*01:22, 01:35, 08:01:01-08:01:05, 08:03:01-08:04:02, 08:06, 08:08-08:09, 08:11, 08:13-08:14, 08:16:01-08:16:02, 08:21-08:22, 08:24, 08:26N, 08:36N, 08:38-08:39, 08:41-08:42, 08:44, 08:46, 08:50, 08:54, 08:56-08:60, 12:14:01-12:14:02, 12:18:01-12:18:02, 12:20, 14:06, 14:15, 15:02:01-15:02:09, 15:03-15:07, 15:09-15:13, 15:15-15:22, 15:24, 15:26-15:42, 15:44-15:50, 15:52-15:60, 16:35, 16:40, 17:01:01:01-17:04, 17:06-17:11, <i>B*58:02</i>				4																	
*01:32						6						12									
*02:02:13			3																		
*02:05, 02:17		2						8													
*02:14, 07:20, 07:73, 07:172, <i>B*08:56</i> , <i>B*15:142</i> , <i>B*51:68</i> , <i>B*57:49</i>																				19	
*02:20																					
*02:21, 05:51Q, 05:62, 05:70, 12:21					5																
*02:22, 04:94:01-04:94:02, 08:27, 08:29, 08:31, 18:03, <i>B*15:137</i>									9												
*02:47, <i>B*13:31</i> , 13:41, <i>B*15:58</i> , <i>B*15:73</i> , <i>B*39:36</i> , <i>B*55:21</i>																					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

190	170	205	160	85	130	190	90	175	100	155	185	105	275	230	120	205	120	290	275	155	Length of spec. PCR product(s)	
380			210			225	210	210			205	245		380	215		470					
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Well No.	
																					*01:10, 14:25	
																						*01:20
																						*01:22, 01:35, 08:01:01-08:01:05, 08:03:01-08:04:02, 08:06, 08:08-08:09, 08:11, 08:13-08:14, 08:16:01-08:16:02, 08:21-08:22, 08:24, 08:26N, 08:36N, 08:38-08:39, 08:41-08:42, 08:44, 08:46, 08:50, 08:54, 08:56-08:60, 12:14:01-12:14:02, 12:18:01-12:18:02, 12:20, 14:06, 14:15, 15:02:01-15:02:09, 15:03-15:07, 15:09-15:13, 15:15-15:22, 15:24, 15:26-15:42, 15:44-15:50, 15:52-15:60, 16:35, 16:40, 17:01:01:01-17:04, 17:06-17:11, B*58:02
													<b>34</b>									*01:32
	<b>22</b>																<b>38</b>			<b>41</b>	*02:02:13	
																						*02:05, 02:17
																						*02:14, 07:20, 07:73, 07:172, B*08:56, B*15:142, B*51:68, B*57:49
																		<b>39</b>				*02:20
																						*02:21, 05:51Q, 05:62, 05:70, 12:21
			<b>24</b>																			*02:22, 04:94:01-04:94:02, 08:27, 08:29, 08:31, 18:03, B*15:137
			<b>24</b>																			*02:47, B*13:31, 13:41, B*15:58, B*15:73, B*39:36, B*55:21
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>41</b>	<b>Well No.</b>	



101.614-12 – including *Taq* pol., IFU-01101.614-12u– without *Taq* pol., IFU-02Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for

“Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

Length of spec.	240	220	135	250	165	250	110	240	165	190	130	205	155	225	360	235	160	220	85	115
PCR product(s)					220		185		210		185	275	210	305		340	220		160	275
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
*02:56, 07:81, 07:168												12								
*03:02:01-03:04:14, 03:04:16-03:04:24, 03:05-03:17, 03:19- 03:31, 03:33-03:38:02, 03:40:01-03:44, 03:46- 03:66, 03:68-03:98, 03:100-03:101, 03:103- 03:117, 03:119-03:135, 03:138-03:143, 03:146, 07:96			3																	
*03:32, 03:45, 03:136			3											14						
*03:67	1		w																	19
*03:102			3									12								
*04:42, 16:21	1																			19
*04:80, 04:100, 07:10, 07:43, 07:196, 15:25, <i>B</i> *35:178														14						
*04:81, 12:56																				
*05:01:01:01-05:01:18, 05:03-05:07N, 05:09:01- 05:10, 05:12-05:16, 05:18:01-05:26, 05:28, 05:30-05:42, 05:44- 05:47, 05:49-05:50, 05:53-05:61, 05:63- 05:67, 05:69, 05:71- 05:74					5	6														
*05:08, 05:52					5				9											
*05:11, 05:17, 05:27, 05:68, 08:10, 17:05				4	5															
*05:43	1				5	6														19
*07:01:13												11								
*07:04:01-07:04:07, 07:11-07:12, 07:45, 07:63, 07:68, 07:101, 07:139, 07:142, 07:199														11						
*07:07, 07:09, 07:76									9											
*07:107, 07:224, 16:31, <i>B</i> *15:193										10	11									
*07:134																				20
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

190	170	205	160	85	130	190	90	175	100	155	185	105	275	230	120	205	120	290	275	155	Length of spec. PCR product(s)	
380			210			225	210	210			205	245		380	215		470				Well No.	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	*02:56, 07:81, 07:168	
													34									*03:02:01-03:04:14, 03:04:16-03:04:24, 03:05-03:17, 03:19- 03:31, 03:33-03:38:02, 03:40:01-03:44, 03:46- 03:66, 03:68-03:98, 03:100-03:101, 03:103- 03:117, 03:119-03:135, 03:138-03:143, 03:146, 07:96
																						*03:32, 03:45, 03:136
																						*03:67
													34									*03:102
																						*04:42, 16:21
																						*04:80, 04:100, 07:10, 07:43, 07:196, 15:25, B*35:178
21																						*04:81, 12:56
			24																			*05:01:01:01-05:01:18, 05:03-05:07N, 05:09:01- 05:10, 05:12-05:16, 05:18:01-05:26, 05:28, 05:30-05:42, 05:44- 05:47, 05:49-05:50, 05:53-05:61, 05:63- 05:67, 05:69, 05:71- 05:74
																						*05:08, 05:52
																						*05:11, 05:17, 05:27, 05:68, 08:10, 17:05
																						*05:43
									30													*07:01:13
																						*07:04:01-07:04:07, 07:11-07:12, 07:45, 07:63, 07:68, 07:101, 07:139, 07:142, 07:199
																						*07:07, 07:09, 07:76
																						*07:107, 07:224, 16:31, B*15:193
																						*07:134
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Well No.	



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

Length of spec.	240	220	135	250	165	250	110	240	165	190	130	205	155	225	360	235	160	220	85	115
PCR product(s)					220		185		210		185	275	210	305		340	220		160	275
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
*07:181											11									
*08:20, 08:40				4																
*08:37	1					6													19	
*12:03:01:01-12:03:08, 12:03:10-12:07, 12:12- 12:13, 12:15, 12:23, 12:25-12:26, 12:28- 12:29, 12:34-12:35, 12:37-12:39N, 12:42Q- 12:43, 12:45-12:48, 12:51-12:52, 12:54- 12:55, 12:57-12:63, 12:65-12:66, 12:70- 12:71, 12:75-12:76, 14:16		2																		
*12:03:09		2									11									
*12:11		2																		
*12:31		2							9											
*12:32		2																		
*12:33		2			5															
*12:50		2									12									
*12:53		2																		
*14:29						6														
*15:02:10, 15:43			3	4																
*15:23				4															19	
*16:04, 16:33, 16:42		2																		
*16:29		2						8												
*18:01-18:02, 18:05						6			9											
*18:04						6			9										19	
<i>B*15:207</i>																				
<i>B*51:39</i>																				
<b>HLA-C allele<sup>4,5</sup></b>																				
<b>Well No.</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>

101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

380	190	170	205	160	85	130	190	90	175	100	155	185	105	275	230	120	205	120	290	275	155	Length of spec. PCR product(s)
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	Well No.	
	22																					*07:181
																	38					*08:20, 08:40
																						*08:37
																						*12:03:01:01-12:03:08, 12:03:10-12:07, 12:12- 12:13, 12:15, 12:23, 12:25-12:26, 12:28- 12:29, 12:34-12:35, 12:37-12:39N, 12:42Q- 12:43, 12:45-12:48, 12:51-12:52, 12:54- 12:55, 12:57-12:63, 12:65-12:66, 12:70- 12:71, 12:75-12:76, 14:16
	22																				41	*12:03:09
							28	29														*12:11
			24																			*12:31
							28															*12:32
																						*12:33
													34									*12:50
																						*12:53
							27												39			*14:29
																						*15:02:10, 15:43
																						*15:23
		23																				*16:04, 16:33, 16:42
		23																				*16:29
																						*18:01-18:02, 18:05
																						*18:04
								29														<i>B</i> *15:207
																					41	<i>B</i> *51:39
																						<b>HLA-C allele<sup>4,5</sup></b>
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	<b>Well No.</b>	



101.614-12 – including **Taq pol.**, IFU-01  
 101.614-12u– without **Taq pol.**, IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

**Lot No.: 76N****Lot-specific information**

<sup>1</sup>The internal positive control primer pairs amplify segments of the human growth hormone gene. The two different control primer pairs give rise to either an internal positive control band of 1070 base pairs, for most wells, or a band of 800 base pairs, for some wells.

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-C\*06 subtyping.

In addition, wells number 2, 5, 10, 15 and 19 contain the primer pair giving rise to the shorter, 800 bp, internal positive control in order to allow kit identification.

<sup>2</sup>The nucleotide position, in the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> or 4<sup>th</sup> exons or the the 2<sup>nd</sup> intron, matching the specificity-determining 3'-end of the primer is given. Nucleotide numbering as on the [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla) web site. The sequence of the 3 terminal nucleotides of the primer is given.

<sup>3</sup>The nucleotide position, in the 2<sup>nd</sup>, 3<sup>rd</sup> or 5<sup>th</sup> exons or the 3<sup>rd</sup> intron, matching the specificity-determining 3'-end of the primer is given in the anti-sense direction. Nucleotide numbering as on the [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla) web site. The sequence of the 3 terminal nucleotides of the primer is given.

<sup>4</sup>The sequence of the C\*0601 allele has been shown to be identical to C\*06:02.

The sequence of the C\*060202 allele has been renamed to C\*06:17.

<sup>5</sup>HLA-C\*06 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 3.8.0, April 2012.

<sup>6</sup>The C\*06:07 and C\*06:33 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 7.

<sup>7</sup>The C\*06:16N and C\*06:21 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 16.

<sup>8</sup>The C\*06:24 and C\*06:37 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 17.

<sup>9</sup>The C\*06:25 and C\*06:36 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 21.

<sup>10</sup>The C\*06:27 and C\*06:29 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.

<sup>11</sup>The C\*06:28 and C\*06:32 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 19.

<sup>12</sup>The C\*06:46N and C\*06:65 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

<sup>13</sup>The C\*06:57 and C\*06:58 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

<sup>14</sup>The C\*06:60 and C\*06:69 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 33.

<sup>15</sup>The C\*06:70 and C\*06:73 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

<sup>16</sup>The HLA-C\*06 primer set cannot separate the C\*06:72 and the C\*03:39 and 12:16 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C\*03 and HLA-C\*12 high resolution kit.

<sup>17</sup>Primer mix 5: Specific PCR fragment of 165 bp in the C\*06:05 and 06:67 and in the C\*05:01:01:01-05:01:18, 05:03-05:28, 05:30-05:47, 05:49-05:74, 08:10, 12:21, 12:33 and 17:05 alleles. Specific PCR fragment of 220 bp in the C\*06:18 and 06:23 and the C\*01:04, 01:09 and 02:21 alleles.

Primer mix 7: Specific PCR fragment of 110 bp in the C\*06:07 allele. Specific PCR fragment of 185 bp in the C\*06:19 allele. Specific PCR fragment of 235 bp in the C\*06:33 allele.

Primer mix 9: Specific PCR fragment of 165 bp in the C\*06:09 and the C\*02:22, 04:94:01-04:94:02, 05:08, 05:52, 08:27, 08:29, 08:31, 12:31 and 18:03 alleles and in addition the B\*15:137 allele. Specific PCR fragment of 210 bp in the C\*06:23 and the C\*01:04 and 01:09 alleles. Specific PCR fragment of 435 bp in the C\*06:17 and the C\*07:07, 07:09, 07:76, 18:01, 18:02, 18:04 and 18:05 alleles. Specific PCR fragments of 165 and 435 bp in the C\*18:03 allele.

Primer mix 11: Specific PCR fragment of 130 bp in the C\*06:11 and the C\*07:01:13, 07:04:01-07:04:07, 07:11-07:12, 07:45, 07:63, 07:68, 07:101, 07:139, 07:142, 07:181, 07:199 and 12:03:09 alleles. Specific PCR fragment of 185 bp in the C\*06:22 and the C\*07:107, 07:224 and 16:31 alleles and in addition in the B\*15:193 allele.

101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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“Instructions for Use” (IFU)

**Lot No.: 76N****Lot-specific information**

Primer mix 12: Specific PCR fragment of 205 bp in the C\*06:12 allele. Specific PCR fragment of 275 bp in the C\*06:20 and in the C\*01:32, 02:56, 03:102, 07:81, 07:168 and 12:50 alleles.

Primer mix 13: Specific PCR fragment of 155 bp in the C\*06:13 allele. Specific PCR fragment of 210 bp in the C\*06:59 allele.

Primer mix 14: Specific PCR fragment of 225 bp in the C\*06:55 allele. Specific PCR fragment of 305 bp in the C\*06:14 and in the C\*03:32, 03:45, 03:136, 04:80, 04:100, 07:10, 07:43, 07:196 and 15:25 alleles and in addition in the B\*35:178 allele.

Primer mix 16: Specific PCR fragment of 235 bp in the C\*06:16N allele. Specific PCR fragment of 340 bp in the C\*06:21 allele.

Primer mix 17: Specific PCR fragment of 160 bp in the C\*06:37 and the C\*01:20 alleles. Specific PCR fragment of 220 bp in the C\*06:24 and 06:59 alleles.

Primer mix 19: Specific PCR fragment of 85 bp in the C\*06:28 and the C\*02:14, 03:67, 04:42, 05:43, 07:20, 07:73, 07:172, 08:37, 15:23, 16:21 and 18:04 alleles and in addition in the B\*08:56, B\*15:142, B\*51:68 and B\*57:49 alleles. Specific PCR fragment of 160 bp in the C\*06:32 allele.

Primer mix 20: Specific PCR fragment of 115 bp in the C\*06:29 and the C\*07:134 alleles. Specific PCR fragment of 275 bp in the C\*06:27 allele.

Primer mix 21: Specific PCR fragment of 190 bp in the C\*06:36 and the C\*12:56 alleles. Specific PCR fragment of 380 bp in the C\*06:25 and the C\*04:81 alleles.

Primer mix 24: Specific PCR fragment of 160 bp in the C\*06:09 and 06:34 and the C\*02:22, 02:47, 04:94:01-04:94:02, 05:08, 05:52, 08:27, 08:29, 08:31, 12:31 and 18:03 alleles, and in addition in the B\*13:31, B\*13:41, B\*15:58, B\*15:73, B\*15:137, B\*39:36 and B\*55:21 alleles. Specific PCR fragment of 210 bp in the C\*06:35 allele.

Primer mix 27: Specific PCR fragment of 190 bp in the C\*06:42 and the C\*14:29 alleles. Specific PCR fragment of 225 bp in the C\*06:40 allele.

Primer mix 28: Specific PCR fragment of 90 bp in the C\*06:41 and the C\*12:32 alleles. Specific PCR fragment of 210 bp in the C\*06:47 and the C\*12:11 alleles.

Primer mix 29: Specific PCR fragment of 175 bp in the C\*06:43 allele and in addition in the B\*15:207 allele. Specific PCR fragment of 210 bp in the C\*06:47 and the C\*12:11 alleles.

Primer mix 32: Specific PCR fragment of 185 bp in the C\*06:19 allele. Specific PCR fragment of 205 bp in the C\*06:66 allele.

Primer mix 33: Specific PCR fragment of 105 bp in the C\*06:60 allele. Specific PCR fragment of 245 bp in the C\*06:69 allele.

Primer mix 35: Specific PCR fragment of 230 bp in the C\*06:65 allele. Specific PCR fragment of 380 bp in the C\*06:46N allele.

Primer mix 36: Specific PCR fragment of 120 bp in the C\*06:57 allele. Specific PCR fragment of 215 bp in the C\*06:58 allele.

Primer mix 38: Specific PCR fragment of 120 bp in the C\*06:70 and the C\*02:02:13 alleles. Specific PCR fragment of 470 bp in the C\*06:73 and the C\*08:20 and 08:40 alleles.

‘w’, may be weakly amplified.

101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

CELL LINE VALIDATION SHEET																				
HLA-C*06 SSP subtyping kit																				
				Well																
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
				Prod. No.:																
				201201501	201201502	201201503	201201504	201201505	201201506	201201507	201201508	201201509	201201510	201201511	201201512	201201513	201201514	201201515	201201516	
IHCW cell line		C*																		
1	9001	SA	*07:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	9280	LK707	*07:01	*15:05	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	
3	9011	E4181324	*12:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	9275	GU373	*03:04	*04:01	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
5	9009	KAS011	*06:02		+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	9353	SM	*03:04	*07:02	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
7	9020	QBL	*05:01		-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	
8	9025	DEU	*04:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	9026	YAR	*12:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	9107	LKT3	*01:02		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	
11	9051	PITOUT	*16:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	9052	DBB	*06:02		+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	9004	JESTHOM	*01:02		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	
14	9071	OLGA	*01:02	*03:04	-	-	+	-	-	+	-	-	-	-	-	-	-	-	-	
15	9075	DKB	*03:04		-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
16	9037	SWEIG007	*02:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	9282	CTM3953540	*03:03	*07:01	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
18	9257	32367	*01:02	*07:05	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	
19	9038	BM16	*07:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	9059	SLE005	*03:04		-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
21	9064	AMALA	*03:03		-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
22	9056	KOSE	*12:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	9124	IHL	*01:02	*15:02	-	-	-	+	-	+	-	-	-	-	-	-	-	-	-	
24	9035	JBUSH	*12:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	9049	IBW9	*08:02		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	
26	9285	WT49	*07:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	9191	CH1007	*07:04	*15:05	-	-	-	+	-	-	-	-	-	-	+	-	-	-	-	
28	9320	BEL5GB	*05:01	*16:01	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	
29	9050	MOU	*16:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	9021	RSH	*17:01		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	
31	9019	DUCAF	*05:01		-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	
32	9297	HAG	*17:01	*17:03	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	
33	9098	MT14B	*03:04		-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
34	9104	DHIF	*12:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	9302	SSTO	*05:01		-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	
36	9024	KT17	*03:03	*04:01	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38	9099	LZL	*03:03		-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	
39	9315	CML	*02:02	*07:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	9134	WHONP199	*01:02	*06:02	+	+	-	-	-	+	-	-	-	-	-	-	-	-	-	
41	9055	H0301	*08:02		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	
42	9066	TAB089	*01:02		-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	
43	9076	T7526	*01:02	*08:01	-	-	-	+	-	+	-	-	-	-	-	-	-	-	-	
44	9057	TEM	*12:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	9239	SHJO	*06:02	*17:01	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
47	9045	TUBO	*07:04	*15:02	-	-	-	+	-	-	-	-	-	-	+	-	-	-	-	
48	9303	TER-ND	*04:01	*16:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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Lot No.: **76N**

Lot-specific information

<b>CELL LINE VALIDATION SHEET</b>																				
<b>HLA-C*06 SSP subtyping kit</b>																				
				Well																
				17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
				Prod. No.:	201201517	201201518	201201519	201201520	201201521	201201522	201201523	201201524	201201525	201201526	201201527	201201528	201201529	201201530	201201531	201201532
	IHWC cell line		C*																	
1	9001 SA		*07:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9280 LK707		*07:01	*15:05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	9011 E4181324		*12:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9275 GU373		*03:04	*04:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	9009 KAS011		*06:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	9353 SM		*03:04	*07:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	9020 QBL		*05:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9025 DEU		*04:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026 YAR		*12:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107 LKT3		*01:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051 PITOUT		*16:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052 DBB		*06:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9004 JESTHOM		*01:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071 OLGA		*01:02	*03:04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075 DKB		*03:04		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	9037 SWEIG007		*02:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	9282 CTM3953540		*03:03	*07:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	9257 32367		*01:02	*07:05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038 BM16		*07:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059 SLE005		*03:04		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	9064 AMALA		*03:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056 KOSE		*12:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124 IHL		*01:02	*15:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	9035 JBUSH		*12:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049 IBW9		*08:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285 WT49		*07:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191 CH1007		*07:04	*15:05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	9320 BEL5GB		*05:01	*16:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050 MOU		*16:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021 RSH		*17:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019 DUCAF		*05:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297 HAG		*17:01	*17:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098 MT14B		*03:04		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	9104 DHIF		*12:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302 SSTO		*05:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024 KT17		*03:03	*04:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065 HHKB		*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	9099 LZL		*03:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315 CML		*02:02	*07:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	9134 WHONP199		*01:02	*06:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055 H0301		*08:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066 TAB089		*01:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076 T7526		*01:02	*08:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057 TEM		*12:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239 SHJO		*06:02	*17:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013 SCHU		*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	9045 TUBO		*07:04	*15:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303 TER-ND		*04:01	*16:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

<b>CELL LINE VALIDATION SHEET</b>													
<b>HLA-C*06 SSP subtyping kit</b>													
				<b>Well</b>									
				<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>41</b>	
				<b>Prod. No.:</b>	201201533	201201534	201201535	201201536	201201537	201201538	201201539	201201540	201201541
<b>IHWC cell line</b>		<b>C*</b>											
1	9001	SA	*07:02		-	-	-	-	-	-	-	-	-
2	9280	LK707	*07:01	*15:05	-	-	-	-	-	-	-	-	-
3	9011	E4181324	*12:02		-	-	-	-	-	-	-	-	-
4	9275	GU373	*03:04	*04:01	-	-	-	-	-	-	-	-	-
5	9009	KAS011	*06:02		-	-	-	-	-	-	-	-	-
6	9353	SM	*03:04	*07:02	-	-	-	-	-	-	-	-	-
7	9020	QBL	*05:01		-	-	-	-	-	-	-	-	-
8	9025	DEU	*04:01		-	-	-	-	-	-	-	-	-
9	9026	YAR	*12:03		-	-	-	-	-	-	-	-	-
10	9107	LKT3	*01:02		-	-	-	-	-	-	-	-	-
11	9051	PITOUT	*16:01		-	-	-	-	-	-	-	-	-
12	9052	DBB	*06:02		-	-	-	-	-	-	-	-	-
13	9004	JESTHOM	*01:02		-	-	-	-	-	-	-	-	-
14	9071	OLGA	*01:02	*03:04	-	-	-	-	-	-	-	-	-
15	9075	DKB	*03:04		-	-	-	-	-	-	-	-	-
16	9037	SWEIG007	*02:02		-	-	-	-	-	-	-	-	-
17	9282	CTM3953540	*03:03	*07:01	-	-	-	-	-	-	-	-	-
18	9257	32367	*01:02	*07:05	-	-	-	-	-	-	-	-	-
19	9038	BM16	*07:01		-	-	-	-	-	-	-	-	-
20	9059	SLE005	*03:04		-	-	-	-	-	-	-	-	-
21	9064	AMALA	*03:03		-	-	-	-	-	-	-	-	-
22	9056	KOSE	*12:03		-	-	-	-	-	-	-	-	-
23	9124	IHL	*01:02	*15:02	-	-	-	-	-	-	-	-	-
24	9035	JBUSH	*12:03		-	-	-	-	-	-	-	-	-
25	9049	IBW9	*08:02		-	-	-	-	-	-	-	-	-
26	9285	WT49	*07:01		-	-	-	-	-	-	-	-	-
27	9191	CH1007	*07:04	*15:05	-	-	-	-	-	-	-	-	-
28	9320	BEL5GB	*05:01	*16:01	-	-	-	-	-	-	-	-	-
29	9050	MOU	*16:01		-	-	-	-	-	-	-	-	-
30	9021	RSH	*17:01		-	-	-	-	-	-	-	-	-
31	9019	DUCAF	*05:01		-	-	-	-	-	-	-	-	-
32	9297	HAG	*17:01	*17:03	-	-	-	-	-	-	-	-	-
33	9098	MT14B	*03:04		-	-	-	-	-	-	-	-	-
34	9104	DHIF	*12:03		-	-	-	-	-	-	-	-	-
35	9302	SSTO	*05:01		-	-	-	-	-	-	-	-	-
36	9024	KT17	*03:03	*04:01	-	-	-	-	-	-	-	-	-
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-
38	9099	LZL	*03:03		-	-	-	-	-	-	-	-	-
39	9315	CML	*02:02	*07:01	-	-	-	-	-	-	-	-	-
40	9134	WHONP199	*01:02	*06:02	-	-	-	-	-	-	-	-	-
41	9055	H0301	*08:02		-	-	-	-	-	-	-	-	-
42	9066	TAB089	*01:02		-	-	-	-	-	-	-	-	-
43	9076	T7526	*01:02	*08:01	-	-	-	-	-	-	-	-	-
44	9057	TEM	*12:03		-	-	-	-	-	-	-	-	-
45	9239	SHJO	*06:02	*17:01	-	-	-	-	-	-	-	-	-
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-
47	9045	TUBO	*07:04	*15:02	-	-	-	-	-	-	-	-	-
48	9303	TER-ND	*04:01	*16:01	-	-	-	-	-	-	-	-	-



101.614-12 – including *Taq* pol., IFU-01  
 101.614-12u– without *Taq* pol., IFU-02

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Lot No.: **76N**

Lot-specific information  
**CERTIFICATE OF ANALYSIS**

**Olerup SSP® HLA-C\*06 SSP**

Product number: 101.614-12 – including *Taq* polymerase  
 101.614-12u – without *Taq* polymerase  
 Lot number: 76N  
 Expiry date: 2015-January-01  
 Number of tests: 12  
 Number of wells per test: 41

**Well specifications:**

Well No.	Production No.	Well No.	Production No.	Well No.	Production No.
1	2012-015-01	16	2012-015-16	31	2012-015-31
2	2012-015-02	17	2012-015-17	32	2012-015-32
3	2012-015-03	18	2012-015-18	33	2012-015-33
4	2012-015-04	19	2012-015-19	34	2012-015-34
5	2012-015-05	20	2012-015-20	35	2012-015-35
6	2012-015-06	21	2012-015-21	36	2012-015-36
7	2012-015-07	22	2012-015-22	37	2012-015-37
8	2012-015-08	23	2012-015-23	38	2012-015-38
9	2012-015-09	24	2012-015-24	39	2012-015-39
10	2012-015-10	25	2012-015-25	40	2012-015-40
11	2012-015-11	26	2012-015-26	41	2012-015-41
12	2012-015-12	27	2012-015-27		
13	2012-015-13	28	2012-015-28		
14	2012-015-14	29	2012-015-29		
15	2012-015-15	30	2012-015-30		

The specificity of each primer solution of the kit has been tested against 48 well characterized IHWC cell line DNAs.

No DNAs carrying the alleles to be amplified by primer solutions 7, 8, 10, 12 to 22 and 24 to 41 were available.

The specificity of the primers in primer solutions 8, 10, 12, 14, 16, 19, 21, 22, 24, 27, 30, 32, 34, 35, 38 and 41 were tested by separately adding one 5'-primer, respectively one 3'-primer. In primer solutions 13, 17, 20, 25, 33, 39 and 40 it was only possible to test the 5'-primer, the 3'-primer was not possible to test. In primer solutions 7, 15, 18, 26, 28, 29, 31, 36 and 37 it was only possible to test the 3'-primer, the 5'-primer was not possible to test.

In primer solution 2, 3, 5, 10, 12, 14, 16, 21, 32, 35 and 38 one or two 5'-primers were not possible to test, and in primer solutions 10, 11, 19, 21, 27, 32 and 35 one 3'-primer was not possible to test.

Additional primers in primers solutions 5, 9 and 11 were tested by separately adding one 5'-primer or one 3'-primer.

101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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Lot No.: **76N**

Lot-specific information

**Results:** No false positive or false negative amplifications were obtained.

**Date of approval:** 2012-July-06

**Approved by:**

**Production Quality Control**

101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

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“Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information  
**Declaration of Conformity**

**Product name:** *Olerup* SSP® HLA-C\*06  
**Product number:** 101.614-12/12u  
**Lot number:** 76N

**Intended use:** HLA-C\*06 high resolution histocompatibility testing

**Manufacturer:** *Olerup* SSP AB  
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We, *Olerup* SSP AB, hereby declare that this product, to which this Declaration of Conformity relates is in conformity with the following Standard(s) and other normative document(s) ISO 9001:2008 and ISO 13485:2003, following the provisions of the 98/79/EC Directive on *in vitro* diagnostic medical devices, Annex III, as transposed into the national laws of the Member States of the European Union.

The Technical Documentation File is maintained at *Olerup* SSP AB, Franzengatan 5, SE-112 51 Stockholm, Sweden.

Stockholm, Sweden  
2012-July-06

Ann-Cathrin Jareman  
Head of QA and Regulatory Affairs

101.614-12 – including *Taq* pol., IFU-01  
101.614-12u– without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **76N**

Lot-specific information

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