# *Olerup* SSP® HLA-A*26

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|---|---|
| **Product number:** | **101.424-12 – including *Taq* polymerase**<br>**101.424-12u – without *Taq* polymerase** |
| **Lot number:** | **74Y** |
| **Expiry date:** | **2018-February-01** |
| **Number of tests:** | **12** |
| **Number of wells per test:** | **47+1** |

**CHANGES COMPARED TO THE PREVIOUS HLA-A*26 LOT (01X):**

| Well | 5'-primer | 3'-primer | rationale |
|---|---|---|---|
| 11 | Added | - | 5'-primer added for the allelic resolution of the A*26:106 allele. |
| 22 | Modified | - | 5'-primer modified for increased yield and improved HLA-specific amplification. |
| 33 | Modified | - | 5'-primer modified for increased yield and improved HLA-specific amplification. |
| 43 | Removed, added | Removed, added | Primer pair removed, primer pair added for the A*26:103 and A*26:107N alleles. |
| 48 | - | - | Updated negative control. |

**THE NUMBER OF WELLS** is unchanged.

**ALLELE COVERAGE:**
A*26:01 to A*26:111, i.e. all the currently recognized HLA-A*26 alleles, will be amplified by the primers in the HLA-A*26 subtyping kit[1,2], www.ebi.ac.uk/imgt/hla, 2015-April-17, release 3.20.0.

The HLA-A*26 kit enables separation of the confirmed HLA-A*68 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.
The HLA-A*26 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-A*26 subtyping kit cannot distinguish the following silent mutations: A*26:01:01-26:01:20 and 26:01:22-26:01:38 alleles, the A*26:02:01-26:02:02 alleles or the A*26:07:01-26:07:02 alleles.

The following HLA-A*26 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

| Alleles | Primer mix | Alleles | Primer mix |
|---|---|---|---|
| A*26:17, 26:106 | 13 | A*26:46, 26:53 | 33 |
| A*26:23, 26:27 | 20 | A*26:51, 26:75 | 38 |
| A*26:24, 26:41 | 21 | A*26:54, 26:55 | 36 |
| A*26:25N, 26:38 | 22 | A*26:59, 26:69 | 35 |
| A*26:43:01, 26:61 | 32 | A*26:62, 26:63 | 39 |

[1]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.
[2]The A*26:28 and A*26:52 alleles will give rise to identical amplification patterns with the HLA-A*26 subtyping kit.

## RESOLUTION IN HLA-A*26 HOMO- AND HETEROZYGOTES:

The A*26:01,26:01, A*26:01,26:02 and A*26:02,26:02 genotypes give rise to unique amplification patterns with respect to confirmed alleles.

## INFLUENCE ON THE INTERPRETATION OF HLA-A*26 SUBTYPINGS BY NON-HLA-A*26 ALLELES:

None frequently occurring.

## MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.