

HLA-A*24
 101.422-24/03 – including *Taq* polymerase
 101.422-24u/03u – without *Taq* polymerase
 Lot No.: **3R9**

Olerup SSP[®] HLA-A*24

Product number: 101.422-24/03 – including *Taq* pol.
 101.422-24u/03u – without *Taq* pol.
Lot number: 3R9
Expiry date: 2026-11-01
Number of tests: 24 tests – Product No. 101.422-24/24u
 3 tests – Product No. 101.422-03/03u
Number of wells per test: 95+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*24 LOT (2L4):

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

Well	5'-primer	3'-primer	rationale
3	Modified	-	5'-primer modified for improved allelic resolution.
5	Modified	-	5'-primer modified for improved allelic resolution.
21	-	Exchanged	3'-primer exchanged for improved HLA-specific amplification.
24	-	Modified	3'-primer modified for improved specificity of HLA-specific primer pair.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*24:02 to A*24:578, i.e. all the currently recognized HLA-A*24 alleles, will be amplified by the primers in the HLA-A*24 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2022-July-12, release 3.49.0.

The HLA-A*24 kit enables separation of the confirmed HLA-A*24 alleles as listed in the IMGT/HLA database 3.27.0. 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*24 kit also enables identification of many null and alternatively expressed alleles.

The following HLA-A*24 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*24:29, 24:271	29	A*24:84N, 24:218	73
A*24:37, 24:119	31	A*24:101, 24:111	83
A*24:47, 24:232N	36	A*24:102, 24:103	84
A*24:49:01-24:49:02, 24:126	38	A*24:104, 24:117	85
A*24:60N, 24:205	55	A*24:105, 24:121	86
A*24:72, 24:297	62	A*24:106, 24:136, 24:330	87
A*24:76, 24:98	76	A*24:115, 24:234	90
A*24:78, 24:353	68	A*24:116, 24:352	88
A*24:79, 24:249	67	A*24:135:01-24:135:02, 24:238	91
A*24:80, 24:184	69	A*24:206, 24:322	90, 94
A*24:81, 24:134	70	A*24:225:01-24:225:02, 24:240N	69, 83
A*24:82, 24:128	71	A*24:231, 24:410	95



0197

¹Alleles 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>.

²The HLA-A*24 primer set cannot separate the following alleles. These alleles can be distinguished by the HLA-A low resolution and/or HLA-A*02, HLA-A*23 and HLA-A*33 kits.

Alleles

A*24:02:01:01, 24:02:01:03-24:02:02, 24:02:04, 24:02:06-24:02:09, 24:02:11-24:02:64, 24:02:66-24:02:88, 24:02:90-24:02:99, 24:02:101-24:02:122, 24:02:124-24:02:155, 24:147-24:154, 24:161-24:162, 24:165-24:166, 24:170-24:172:02, 24:174-24:176, 24:178-24:179, 24:181, 24:186-24:187, 24:189, 24:193, 24:195, 24:198, 24:200-24:203, 24:209, 24:212, 24:214, 24:216-24:217, 24:221, 24:223-24:224, 24:226:01-24:226:02, 24:230, 24:236-24:237, 24:239, 24:241-24:247, 24:254, 24:257-24:259, 24:261-24:262, 24:272-24:274, 24:277, 24:279, 24:281-24:282, 24:284, 24:286, 24:292, 24:295, 24:298, 24:301, 24:305-24:306, 24:311, 24:313:01-24:313:02, 24:317-24:318, 24:320-24:321, 24:325-24:326, 24:328, 24:332, 24:334-24:336, 24:338, 24:341, 24:343, 24:346, 24:350-24:351, 24:358, 24:360-24:366, 24:368-24:369, 24:371-24:372, 24:375-24:376, 24:378Q, 24:380, 24:382-24:386, 24:388N-24:389N, 24:391, 24:393-24:394, 24:396N-24:398, 24:400-24:403, 24:407, 24:411, 24:413, 24:415-24:423, 24:425N-24:440, 24:442-24:445N, 24:447Q-24:449, 24:451-24:452, 24:454-24:456N, 24:460:01:01-24:460:01:02, 24:463-24:470, 24:473Q-24:476, 24:479Q-24:480, 24:482, 24:484-24:487, 24:490-24:493, 24:496-24:497, 24:500-24:502, 24:505, 24:507-24:509, 24:511-24:513Q, 24:516-24:523, 24:525-24:526, 24:529N-24:531, 24:533-24:534, 24:536Q-24:539, 24:543, 24:545-24:550, 24:552-24:554, 24:556N, 24:558, 24:560-24:561, 24:564-24:565, 24:567N-24:568N, 24:571, 24:573, 24:575-24:578, 23:113N

A*24:13:01-24:13:02, 23:104

A*24:164, 24:373, 24:399, 24:405, 24:446, 24:572, 02:804, 33:19

A*24:555, 33:21

RESOLUTION IN HLA-A*24 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-A*24 SUBTYPINGS BY NON-HLA-A*24 ALLELES:

The interpretation of HLA-A*24 subtypings is primarily influenced by the A*23 alleles.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

Primer mixes 3 and 5 have been modified for improved resolution of the A*24:52 allele.

Primer mix 24 has been modified for improved specificity of HLA-specific amplification.



0197