

Product List

November 2017

OLERUP SSP[®]

GENOMIC HLA TYPING

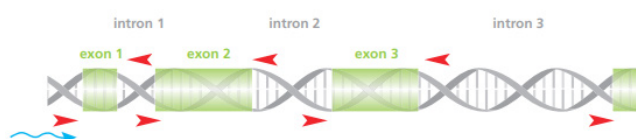
We continuously update our SSP Typing Kits against the latest database release. Twice a year we release a brochure detailing the resolution of our kits as well as Calculation Tables to assist in HLA typing at the laboratory. You can find more information at our web page www.olerup.com

Product group	Product No.	Product name	No. of wells	No. of tests	Alleles as of September, release 3.13.1
HLA-DR	101.111-24	DRB1*01	24	24 and 6	01:01-01:11, 01:13-01:36, 01:39N, 01:40N, 01:42, 01:44, 01:50-52N
	101.125-24	DRB1*15	32	24 and 6	115:01-15:04, 15:06-15:50N, 15:55, 15:57-15:59, 15:63, 15:65, 15:68-15:69, 15:74, 15:78, 15:80N, 15:84-15:85, 15:88
	101.126-12	DRB1*16	16	12	16:01-16:05, 16:07-16:19
	101.113-24	DRB1*03	32	24 and 4	03:01-03:54, 03:62, 03:64, 03:67N, 03:68N, 03:69, 03:71-03:72, 03:75, 03:76, 03:79-03:81
	101.114-24	DRB1*04	47	24 and 3	04:01-04:103, 04:105-04:107, 04:110, 04:113-04:114, 04:119N-04:120N, 04:122
	101.115-24	DRB1*11	40	24 and 3	11:01-11:94, 11:96-11:99, 11:101-11:103, 11:105-11:106, 11:108, 11:110, 11:116, 11:120
	101.116-24	DRB1*13	43	24 and 3	13:01-13:50:01, 13:51-13:117, 13:119-13:120, 13:122, 13:128, 13:132-13:135

OLERUP SBT[™]

SEQUENCE BASED TYPING

The Olerup SBT product line includes assays for accurate, high-resolution, sequence based typing of HLA Class I and HLA Class II genes. A wide variety of locus-specific HLA typing kits are offered along with a comprehensive range of heterozygous ambiguity resolution primers (HARPS) for achieving highest resolution. All kits have the same thermo-cycling conditions and are developed and designed for analysis with our latest HLA sequence analysis software, Olerup Assign[™] SBT v471. Essential accessory reagents, such as BigDye[®] and ExoSAP-IT[®], are available ensuring a complete SBT solution.

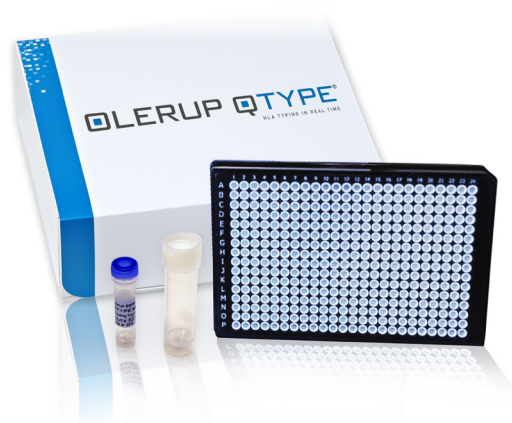


Primer	Function	Location*
5'	PCR	5'UTR
3'	PCR	Intron 4
AEX1F	SEQ	5'UTR
AEX1R	SEQ	Intron 1
AEX2F	SEQ	Intron 1

OLERUP QTYPE[®]

HLA TYPING IN REAL TIME

Using the power of TaqMan[™] probe technology, Olerup SSP AB provides you with a 384 well, real-time PCR assay offering speed and precision for your HLA typing. The tray allows an 11 loci (A, B, C, DRB1345, DQA1, DQB1, DPA1, DPB1) low to intermediate resolution typing within an hour.



Regulatory status of our products are reflected in the Product List. If no reference is given the products are to be used For Research Use Only.

Olerup SSP Product List

OLERUP SSP LOW RESOLUTION KITS AND COMBI TRAYS

Resolved alleles from one or several specific locus/loci into groups on a two-digit level, i.e. based on the first field of the allele name.

In contrast to the standard locus-specific low resolution products, the resolution of the Screening Kits is restricted to maintain the format size of the classic Combi Trays.

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-A	101.401-12	101.401-12u	HLA-A low	12
	101.401-48	101.401-48u	HLA-A low	48
HLA-A	101.403-12	101.403-12u	HLA-A low Screening	12
	101.403-48	101.403-48u	HLA-A low Screening	48
HLA-B	101.501-12	101.501-12u	HLA-B low	12
	101.501-48	101.501-48u	HLA-B low	48
HLA-B	101.503-12	101.503-12u	HLA-B low Screening	12
	101.503-48	101.503-48u	HLA-B low Screening	48
HLA-C	101.601-12	101.601-12u	HLA-C low	12
	101.601-24	101.601-24u	HLA-C low	24
HLA-C	101.603-12	101.603-12u	HLA-C low Screening	12
	101.603-24	101.603-24u	HLA-C low Screening	24
HLA-DR	101.101-12	101.101-12u	DR low	12
	101.101-48	101.101-48u	DR low	48
HLA-DR	101.103-12	101.103-12u	DR low Screening	12
	101.103-48	101.103-48u	DR low Screening	48
HLA-DQ	101.201-12	101.201-12u	DQ low	12
	101.201-48	101.201-48u	DQ low	48
Combi	101.701-06	101.701-06u	A-B-DR	6
	101.701-24	101.701-24u	A-B-DR	24
	101.702-06	101.702-06u	A-B-C	6
	101.702-24	101.702-24u	A-B-C	24
	101.704-12	101.704-12u	DQ-DR	12
	101.704-48	101.704-48u	DQ-DR	48
	101.708-24	101.708-24u	A-B-DR-DQ	24
	101.713-06	101.713-06u	DQA-DQB-DR Enhanced	6
	101.713-24	101.713-24u	DQA-DQB-DR Enhanced	24

Olerup SSP typing kits are CE certified and 510(k) cleared by FDA if not stated differently.

HIGH RESOLUTION KITS

The resolved alleles for each high resolution product are presented in the product sheet "Olerup SSP Resolved Alleles".

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-A	101.411-06	101.411-06u	HLA-A*01	6
	101.411-24	101.411-24u	HLA-A*01	24
	101.412-04	101.412-04u	HLA-A*02	4
	101.412-24	101.412-24u	HLA-A*02	24
	101.413-04	101.413-04u	HLA-A*03	4
	101.413-24	101.413-24u	HLA-A*03	24
	101.421-06	101.421-06u	HLA-A*23	6
	101.422-03	101.422-03u	HLA-A*24	3
	101.422-24	101.422-24u	HLA-A*24	24
	101.423-06	101.423-06u	HLA-A*25	6
	101.424-12	101.424-12u	HLA-A*26	12
	101.425-06	101.425-06u	HLA-A*34	6
	101.427-06	101.427-06u	HLA-A*66	6
	101.416-12	101.416-12u	HLA-A*11	12
	101.416-04	101.416-04u	HLA-A*11	4
	101.428-12	101.428-12u	HLA-A*29	12
	101.429-12	101.429-12u	HLA-A*30	12
	101.430-12	101.430-12u	HLA-A*31	12
	101.431-12	101.431-12u	HLA-A*32	12
	101.432-12	101.432-12u	HLA-A*33	12
	101.433-06	101.433-06u	HLA-A*74	6
	101.434-06	101.434-06u	HLA-A*80	6
	101.419-06	101.419-06u	HLA-A*36	6
	101.418-12	101.418-12u	HLA-A*68	12
101.418-04	101.418-04u	HLA-A*68	4	
101.435-06	101.435-06u	HLA-A*69	6	
HLA-B	101.561-03	101.561-03u	HLA-B*51	3
	101.561-24	101.561-24u	HLA-B*51	24
	101.562-06	101.562-06u	HLA-B*52	6
	101.512-03	101.512-03u	HLA-B*07	3
	101.512-24	101.512-24u	HLA-B*07	24
	101.513-04	101.513-04u	HLA-B*08	4
	101.513-24	101.513-24u	HLA-B*08	24
	101.563-03	101.563-03u	HLA-B*44	3
	101.563-24	101.563-24u	HLA-B*44	24
	101.564-06	101.564-06u	HLA-B*45	6
	101.515-12	101.515-12u	HLA-B*13	12
	101.524-12	101.524-12u	HLA-B*14	12
	101.516-04	101.516-04u	HLA-B*15	4
	101.516-24	101.516-24u	HLA-B*15	24

Olerup SSP typing kits are CE certified and 510(k) cleared by FDA if not stated differently.

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-B	101.565-12	101.565-12u	HLA-B*38	12
	101.566-04	101.566-04u	HLA-B*39	4
	101.566-12	101.566-12u	HLA-B*39	12
	101.567-12	101.567-12u	HLA-B*57	12
	101.568-06	101.568-06u	HLA-B*58	6
	101.519-12	101.519-12u	HLA-B*18	12
	101.569-06	101.569-06u	HLA-B*54	6
	101.570-06	101.570-06u	HLA-B*55	6
	101.571-06	101.571-06u	HLA-B*56	6
	101.521-04	101.521-04u	HLA-B*27	4
	101.521-24	101.521-24u	HLA-B*27	24
	101.522-03	101.522-03u	HLA-B*35	3
	101.522-24	101.522-24u	HLA-B*35	24
	101.523-03	101.523-03u	HLA-B*40	3
	101.523-24	101.523-24u	HLA-B*40	24
	101.541-06	101.541-06u	HLA-B*37	6
	101.542-06	101.542-06u	HLA-B*41	6
	101.543-06	101.543-06u	HLA-B*42	6
	101.544-06	101.544-06u	HLA-B*46	6
	101.545-06	101.545-06u	HLA-B*47	6
	101.546-06	101.546-06u	HLA-B*48	6
	101.547-06	101.547-06u	HLA-B*49	6
	101.548-06	101.548-06u	HLA-B*50	6
	101.549-06	101.549-06u	HLA-B*53	6
	101.554-06	101.554-06u	HLA-B*59	6
	101.550-06	101.550-06u	HLA-B*67	6
	101.555-06	101.555-06u	HLA-B*73	6
	101.551-06	101.551-06u	HLA-B*78	6
	101.553-06	101.553-06u	HLA-B*81	6
	101.552-06	101.552-06u	HLA-B*82	6

Olerup SSP typing kits are CE certified and 510(k) cleared by FDA if not stated differently.

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-C	101.611-12	101.611-12u	HLA-C*03	12
	101.612-12	101.612-12u	HLA-C*04	12
	101.613-12	101.613-12u	HLA-C*05	12
	101.614-12	101.614-12u	HLA-C*06	12
	101.615-04	101.615-04u	HLA-C*07	4
	101.615-24	101.615-24u	HLA-C*07	24
	101.621-12	101.621-12u	HLA-C*01	12
	101.622-12	101.622-12u	HLA-C*02	12
	101.623-12	101.623-12u	HLA-C*08	12
	101.624-12	101.624-12u	HLA-C*12	12
	101.625-06	101.625-06u	HLA-C*14	6
	101.626-12	101.626-12u	HLA-C*15	12
	101.627-12	101.627-12u	HLA-C*16	12
	101.628-06	101.628-06u	HLA-C*17	6
	101.629-06	101.629-06u	HLA-C*18	6
	101.707-12	101.707-12u	HLA-C high resolution for frequent alleles	12

Olerup SSP typing kits are CE certified and 510(k) cleared by FDA if not stated differently.

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-DR	101.111-06	101.111-06u	DRB1*01	6
	101.111-24	101.111-24u	DRB1*01	24
	101.125-06	101.125-06u	DRB1*15	6
	101.125-24	101.125-24u	DRB1*15	24
	101.126-12	101.126-12u	DRB1*16	12
	101.113-04	101.113-04u	DRB1*03	4
	101.113-24	101.113-24u	DRB1*03	24
	101.114-03	101.114-03u	DRB1*04	3
	101.114-24	101.114-24u	DRB1*04	24
	101.115-03	101.115-03u	DRB1*11	3
	101.115-24	101.115-24u	DRB1*11	24
	101.116-03	101.116-03u	DRB1*13	3
	101.116-24	101.116-24u	DRB1*13	24
	101.117-03	101.117-03u	DRB1*14	3
	101.117-12	101.117-12u	DRB1*14	12
	101.118-24	101.118-24u	DRB1*07	24
	101.120-06	101.120-06u	DRB1*09	6
	101.127-04	101.127-04u	DRB1*08	4
	101.127-12	101.127-12u	DRB1*08	12
	101.128-12	101.128-12u	DRB1*12	12
	101.129-06	101.129-06u	DRB1*10	6
	101.121-04	101.121-04u	DRB3	4
	101.121-24	101.121-24u	DRB3	24
	101.122-06	101.122-06u	DRB4	6
	101.122-24	101.122-24u	DRB4	24
	101.123-06	101.123-06u	DRB5	6
	101.123-24	101.123-24u	DRB5	24
	HLA-DQ	101.211-24	101.211-24u	DQB1*05
101.212-04		101.212-04u	DQB1*06	4
101.212-24		101.212-24u	DQB1*06	24
101.213-24		101.213-24u	DQB1*02	24
101.214-06		101.214-06u	DQB1*03	6
101.214-24		101.214-24u	DQB1*03	24
101.215-12		101.215-12u	DQB1*04	12
101.221-12		101.221-12u	DQB1 high resolution	12
101.231-04		101.231-04u	DQA1	4
101.231-24		101.231-24u	DQA1	24
HLA-DP	101.311-04	101.311-04u	DPB1	4
	101.311-24	101.311-24u	DPB1	24
	101.331-06	101.331-06u	DPA1	6
	101.331-24	101.331-24u	DPA1	24

Olerup SSP typing kits are CE certified and 510(k) cleared by FDA if not stated differently.

DISEASE ASSOCIATED HLA ALLELES

Products for detection of HLA alleles considered to be associated with: Narcolepsy (DQB1*06:02,DQA1*01:02), Coeliac Disease (DQA1*02,05;DQB1*02,03:02), Ankylosing Spondylitis (B*27 unit dose and B*27 bulk) and high risk of HSR (Hyper Sensitivity Reaction) to Abacavir in HIV treatment (HLA-B*57:01). All kits apart from B*27 contain a negative control.

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-B	101.911-96	101.911-96u	B*27 Single well #	96
	101.531-48	101.531-48u	B*27 unit dose	48
	101.532-48	101.532-48u	B*27 bulk	48
	101.572-12	101.572-12u	HLA-B*57:01	12
HLA-DQ	101.901-24	101.901-24u	DQB1*06:02,DQA1*01:02	24
	101.903-24	101.903-24u	DQA1*02,05;DQB1*02,03:02	24

B*27 Single well is for RUO in USA.

ADD-ONS

For resolving SBT ambiguities due to polymorphisms located outside of the sequencing target areas, i.e. in general Class I exons 2–4 and Class II exon 2. More information can be retrieved from product sheets “Olerup SSP Add-ons” and “Olerup SSP Resolved Alleles”, to be found at www.olerup.com.

As a result of the 2015 NMDP policy for HLA confirmatory typing requirements for unrelated adult donors and patients, which included testing for an increased number of null alleles compared to previous policy, Olerup SSP AB has expanded the Add-on line to also include kits specifically targeted for this testing. The results is a product portfolio of small SSP kits for smart solutions covering all null allele testing required by the NMDP.

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-A	101.842-12	101.842-12u	HLA-A*11 add-on	12
	101.843-12	101.843-12u	HLA-A*23 add-on	12
	101.845-12	101.845-12u	HLA-A*01 add-on	12
	101.847-12	101.847-12u	HLA-A*03 add-on	12
	101.846-12	101.846-12u	HLA-A*24 add-on	12
	101.844-12	101.844-12u	HLA-A*68 add-on	12
HLA-B	101.852-12	101.852-12u	HLA-B*07 add-on	12
	101.853-12	101.853-12u	HLA-B*39 add-on	12
	101.854-12	101.854-12u	HLA-B*15 add-on	12
HLA-C	101.862-12	101.862-12u	HLA-C*04 add-on	12
	101.863-12	101.863-12u	HLA-C*07 add-on	12
	101.864-12	101.864-12u	HLA-C*08 add-on	12
	101.865-12	101.865-12u	HLA-C*15 add-on	12
HLA-DR	101.813-12	101.813-12u	DRB1*14:01/14:54	12
	101.814-12	101.814-12u	DRB1*04 add-on	12
	101.815-12	101.815-12u	DRB1*12 add-on	12

Olerup SSP typing kits are CE certified and 510(k) cleared by FDA if not stated differently.

NULL ALLELE KITS

For detection of common and well-documented null alleles. More information can be retrieved from product sheet "Olerup SSP Null Allele Kits".

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
HLA-A	101.841-12	101.841-12u	HLA-A*24:09N	12
	101.845-12	101.845-12u	HLA-A*01 add-on	12
	101.847-12	101.847-12u	HLA-A*03 add-on	12
	101.846-12	101.846-12u	HLA-A*24 add-on	12
	101.844-12	101.844-12u	HLA-A*68 add-on	12
HLA-B	101.851-12	101.851-12u	HLA-B*51:11N	12
	101.854-12	101.854-12u	HLA-B*15 add-on	12
HLA-C	101.861-12	101.861-12u	HLA-C*04:09N	12
HLA-DR	101.811-12	101.811-12u	DRB4*01:03:01:02N	12
	101.812-12	101.812-12u	DRB5*01:08N	12

KIR (Our KIR products are for Research Use Only)

PRODUCT GROUP	PRODUCT NUMBER incl. Taq Polymerase	PRODUCT NUMBER without Taq Polymerase	PRODUCT NAME	NO.OF TESTS
KIR	104.101-12	104.101-12u	KIR Genotyping	12
	104.201-12	104.201-12u	KIR HLA Ligand	12

ACCESSORY PRODUCTS

PRODUCT GROUP	PRODUCT NUMBER	PRODUCT NAME	NO.OF TESTS
Accessory products	102.101-01 / 102.101-01u	HLA-Wipe Test	96
	102.102-01 / 102.102-01u	HLA-Negative Control	96
	103.101-01	Gel System 96	
	103.101-11	Gel Tray 96	
	103.101-21	Gel Comb	
	103.101-31	Casting Chamber 1 gel	
	103.101-33	Casting Chamber 3 gels	
	103.101-41	Lid for Gel System 96	
	103.202-100	DNA Size Marker	100
	103.202-500	DNA Size Marker	500
	103.203-100	DNA Size Marker for short gel runs	100
	103.203-500	DNA Size Marker for short gel runs	500
	103.301-10	Ethidium Bromide	
	103.302-05	GelRed™ Dropper Bottle	5 ml
	103-302-25	GelRed™ Dropper Bottle	5 x 5 ml
	103.501-06	PCR Plate Support Grid	6
	103.502-06	Adhesive PCR Seals	6
	103.503-120	PCR Cap Strips	120
	103.504-01	PCR Seal Applicator	1
	103.505-06	Compression Pad	6

Olerup SSP typing kits are CE certified and 510(k) cleared by FDA if not stated differently.

Olerup QTYPE Product List

HLA TYPING IN REAL TIME:

PRODUCT	NO. OF TESTS	PRODUCT NUMBER
Olerup QTYPE 11	3	201.701-03
(A, B, C, DRB1, DRB3/4/5, DQA1, DQB1, DPA1, DPB1)	10	201.701-10



PRODUCT GROUP	PRODUCT NUMBER	PRODUCT NAME	NO.OF TESTS
Accessory	203.501-01	Colour Compensation Calibration Plate	1
Accessory	203.502-10	Optically-clear PCR sealing sheets	10

Olerup QTYPE is For Research Use Only.

Products for HLA Sequencing Based Typing

LOCUS	EXON 1	EXON 2	EXON 3	EXON 4	EXON 5	EXON 6	EXON 7
HLA-A	✓	✓	✓	✓			
HLA-B	✓	✓	✓	✓			
HLA-C	✓	✓	✓	✓	✓	✓	✓
DRBI		✓	✓				
DQBI		✓	✓				
DPBI	✓	✓	✓	✓	✓		

- Comprehensive set of HLA Class I and II HARPS
- Compatible with Olerup Assign SBT v4.7 and v471
- DRB3, DRB4, DRB5 and B57 typing kits



Accessory reagents for Olerup SBT

- BigDye Terminator Cycle Sequencing Kit v3.1 and v1.1
- ExoSAP-IT and ExoSAP-IT Express for PCR Product Cleanup



ACCESSORY PRODUCTS

PRODUCT NAME	SIZE/QTY.	PRODUCT NUMBER
BigDye Terminator v1.1 Cycle Sequencing Kit	100 reactions [800ul]	4337450C
BigDye Terminator v3.1 Cycle Sequencing Kit	100 reactions [800ul]	4337455C
ExoSAP-IT for PCR Product Cleanup	100 reactions [200ul]	78200
ExoSAP-IT Express for PCR Product Cleanup	100 reactions [200ul]	75001

Olerup SBT TYPING KITS

Olerup SBT typing kits are available as evaluation kits (20 tests / kit) and in a standard size of 50 tests / kit.

LOCUS	Olerup SBT KITS	SIZE/QTY.	PRODUCT NUMBER
HLA-A	HLA-A	20	XH-PD1.1-2(20)
	HLA-A	50	XH-PD1.1-2(50)
HLA-B	HLA-B	20	BS-PD2.1-2(20)
	HLA-B	50	BS-PD2.1-2(50)
HLA-C	HLA-C	20	HH-PD3.2-2(20)
	HLA-C	50	HH-PD3.2-2(50)
HLA-DRB1	HLA-DRB1	20	LG-PD5.2-7(20)
	HLA-DRB1	50	LG-PD5.2-7(50)
	HLA-DRB1	20	ST-PD5.2-8(20) *
	HLA-DRB1	50	ST-PD5.2-8(50) *
HLA-DQB1	HLA-DQB1	20	AN-PD6.2-3(20)
	HLA-DQB1	50	AN-PD6.2-3(50)
HLA-DPB1	HLA-DPB1	20	KD-PD10.2-1(20)
	HLA-DPB1	50	KD-PD10.2-1(50)
DRB3	DRB3	20	AN-PD11.0-0(20)*
	DRB3	50	AN-PD11.0-0(50)*
DRB4	DRB4	20	AN-PD12.0-0(20)*
	DRB4	50	AN-PD12.0-0(50)*
DRB5	DRB5	20	AN-PD13.0-0(20)*
	DRB5	50	AN-PD13.0-0(50)*
B57	B57 GSA	20	LC-PD2.9(20)*
	B57 GSA	50	LC-PD2.9(50)*

* Only available in the US

The ST-PD5.2-8 DRB1 kit contains a 1 x tube PRE-PCR vial (including pre-mixed PCR buffer, primers, and DNA polymerase).

Olerup SBT typing kits, Class I and II are CE certified (*For Research Use Only)

Olerup ASSIGN SBT SOFTWARE:

SOFTWARE	DESCRIPTION	PRODUCT NUMBER
Olerup Assign SBT v471 software	1Y subscription for 1-5 licences	CGX00471-0
	1Y extra licence(s)	CGX00471-1

Olerup Assign SBT is CE certified.

Olerup SBT HARPS:

Used to resolve ambiguities:

CLASS I HARPS	SIZE/QTY.	PRODUCT NUMBER
C1-TT98-F	20	C1-TT98-F(20)
C1-AC98-F	20	C1-AC98-F(20)
C1-TC98-F	20	C1-TC98-F(20)
C1-TA98-F	20	C1-TA98-F(20)
C1-CA102-F	20	C1-CA102-F(20)
C1-CT102-F	20	C1-CT102-F(20)
C1-CC102-F	20	C1-CC102-F(20)
C1-AG203-F	20	C1-AG203-F(20)
C1-GT240-F	20	C1-GT240-F(20)
C1-GG307-R	20	C1-GG307-R(20)
C1-GT355-R	20	C1-GT355-R(20)
C1-AT362-F	20	C1-AT362-F(20)
C1-GG362-AR	20	C1-GG362-AR(20)
C1-GG362-R	20	C1-GG362-R(20)
C1-GG363-AF	20	C1-GG363-AF(20)
C1-TA363-F	20	C1-TA363-F(20)
C1-TA368-F	20	C1-TA368-F(20)
C1-TT368-F	20	C1-TT368-F(20)
C1-CT423-F	20	C1-CT423-F(20)
C1-AG453-R	20	C1-AG453-R(20)
C1-AC497-F	20	C1-AC497-F(20)
C1-CG570-R	20	C1-CG570-R(20)
C1-BTA-F	20	C1-BTA-F(20)
C1-BCG-F	20	C1-BCG-F(20)
C1-CC144-F	20	C1-CC144-F(20)
C1-AC206-F	20	C1-AC206-F(20)
C1-GC209-F	20	C1-GC209-F(20)
C1-GA206-F	20	C1-GA206-F(20)
C1-CG285-F	20	C1-CG285-F(20)
C1-CG319-F	20	C1-CG319-F(20)
C1-CA309-R	20	C1-CA309-R(20)
C1-GAT309-R	20	C1-GAT309-R(20)
C1-GAA309-R	20	C1-GAA309-R(20)
C1-AG360-F	20	C1-AG360-F(20)
C1-GC363-F	20	C1-GC363-F(20)
C1-GG363-BF	20	C1-GG363-BF(20)
C1-CC387-F	20	C1-CC387-F(20)
C1-TA420-F	20	C1-TA420-F(20)
C1-AC362-F	20	C1-AC362-F(20)

Olerup SBT HARPS are CE certified.

Olerup SBT HARPS:

Used to resolve ambiguities:

CLASS I HARPS	SIZE/QTY.	PRODUCT NUMBER
C1-CC486-F	20	C1-CC486-F(20)
C1-CT559-R	20	C1-CT559-R(20)
C1-GA559-R	20	C1-GA559-R(20)
C1-AC559-R	20	C1-AC559-R(20)
C1-GG572-R	20	C1-GG572-R(20)
C1-CG572-R	20	C1-CG572-R(20)
C1-GAG601-R	20	C1-GAG601-R(20)
C1-CT97-F	20	C1-CT97-F(20)
C1-CT112-F	20	C1-CT112-F(20)
C1-CG134-F	20	C1-CG134-F(20)
C1-CA176-F	20	C1-CA176-F(20)
C1-AG270-F	20	C1-AG270-F(20)
C1-AC302-R	20	C1-AC302-R(20)
C1-GC302-R	20	C1-GC302-R(20)
C1-CC341-R	20	C1-CC341-R(20)
C1-CG343-F	20	C1-CG343-F(20)
C1-CA343-F	20	C1-CA343-F(20)
C1-CC355-F	20	C1-CC355-F(20)
C1-GA361-F	20	C1-GA361-F(20)
C1-CT379-R	20	C1-CT379-R(20)
C1-TG539-R	20	C1-TG539-R(20)
C1-GG539-R	20	C1-GG539-R(20)
C1-AG595-R	20	C1-AG595-R(20)
C1-AA601-R	20	C1-AA601-R(20)
C1-AG413-R	20	C1-AG413-R(20)

HLA-DRB1 HARPS	SIZE/QTY.	PRODUCT NUMBER
RB-01-F	20	RB-01-F(20)
RB-04-F	20	RB-04-F(20)
RB-09-F	20	RB-09-F(20)
RB-15-F	20	RB-15-F(20)
RB-52-F	20	RB-52-F(20)
RB-GG125-F	20	RB-GG125-F(20)
RB-AA197-F	20	RB-AA197-F(20)
RB-TT197-F	20	RB-TT197-F(20)
RB-GT196-F	20	RB-GT196-F(20)
RB-GA196-F	20	RB-GA196-F(20)
RB-TA164-F	20	RB-TA164-F(20)

Olerup SBT HARPS are CE certified.

Olerup SBT HARPS:

Used to resolve ambiguities:

HLA-DRB1 HARPS	SIZE/QTY.	PRODUCT NUMBER
RB-TT227-F	20	RB-TT227-F(20)
RB-AT258-F	20	RB-AT258-F(20)
RB-GC258-F	20	RB-GC258-F(20)
RB-CT257-R	20	RB-CT257-R(20)
RB-AT257-R	20	RB-AT257-R(20)
RB-TT321-R	20	RB-TT321-R(20)
RB-GT344-R	20	RB-GT344-R(20)
RB-TG344-R	20	RB-TG344-R(20)

HLA-DQB1 HARPS	SIZE/QTY.	PRODUCT NUMBER
QB-TA122-F	20	QB-TA122-F(20)
QB-GC134-F	20	QB-GC134-F(20)
QB-TA173-F	20	QB-TA173-F(20)
QB-CT173-F	20	QB-CT173-F(20)
QB-TA185-F	20	QB-TA185-F(20)
QB-GA316-R	20	QB-GA316-R(20)
QB-GG353-R	20	QB-GG353-R(20)
QB-CG353-R	20	QB-CG353-R(20)
QB-GG361-R	20	QB-GG361-R(20)

HLA-DPB1 HARPS	SIZE/QTY.	PRODUCT NUMBER
PB-GC112-F	20	PB-GC112-F(20)
PB-TT113-F	20	PB-TT113-F(20)
PB-AT251-R	20	PB-AT251-R(20)
PB-TAC121-F	20	PB-TAC121-F(20)
PB-AG341-R	20	PB-AG341-R(20)
PB-GG341-R	20	PB-GG341-R(20)
PB-GC194-F	20	PB-GC194-F(20)
PB-GT313-R	20	PB-GT313-R(20)
PB-AT251-BR	20	PB-AT251-BR(20)

GENERAL PURPOSE REAGENTS:

GENERAL PURPOSE REAGENTS	SIZE/QTY.	PRODUCT NUMBER
General Purpose Lab. Reagent 2mM MgCl ₂	50	MgCl ₂ – 1.0(50)
General Purpose Lab. Reagent 2mM MgCl ₂	3000	MgCl ₂ – 1.0(3000)
General Purpose Lab. Reagent 5x Seq Rxn Buffer	400	SEQ BUF – 2.0(400)
General Purpose Lab. Reagent 5x Seq Rxn Buffer	5000	SEQ BUF – 2.0(5000)
General Purpose Lab. Reagent 125mM EDTA, pH8.0	200	EDTA – 3.0(200)
General Purpose Lab. Reagent 125mM EDTA, pH8.0	5000	EDTA – 3.0(5000)

Olerup SBT HARPS are CE certified.

OLERUP GAMMA TYPE™

Gamma-Type is a simple PCR-SSP for 25 SNPs within the Gamma block of the MHC.

PRODUCT	SIZE/QTY.	PRODUCT NUMBER
Olerup Gamma-Type	6	KD-PD8.0-1(6)
	25	KD-PD8.0-1(25)
	96	KD-PD8.0-1(96)



Olerup Gamma-Type is For Research Use Only.

Endothelial cell Transplantation Cross Match

Olerup XM-ONE is a diagnostic test intended for use by professional laboratories in flow cytometric detection of antibodies in serum.

The test enables clinicians to conduct transplantation cross match testing by detection of antibodies specific for HLA class I and II and other non-HLA antigens expressed on donor endothelial precursor cells.



IVD PRODUCTS:	PRODUCT NUMBER	UNITS	TESTS/VOLUME
Olerup XM-ONE	ABX100-03	1	4 tests
	ABX100-05	1	4 tests

RESEARCH USE ONLY PRODUCTS:

CD3-PE	ABX500-04	1	80 tests / 800 ul
CD19-PerCP	ABX600-04	1	80 tests / 800 ul
Positive Control IgG	ABR400-01	1	500 ul
Postive Control IgM	ABR300-01	1	500 ul
Negative Serum Control	ABR200-01	1	1 ml

Olerup XM-ONE ABX100-5 is CE certified.

Olerup XM-ONE Transplantation Crossmatch ABX100-3 is FDA 510-k cleared.



OLERUP

Distributed by Olerup
www.olerup.com

Olerup SSP, Olerup QTYPE and Olerup XM-ONE are manufactured by Olerup SSP AB. Olerup SBT and Olerup Gamma-Type are manufactured by CareDx Pty Ltd.

Carteole 171025-2



©2017 CareDx, Inc. All service marks and trademarks are owned or licensed by CareDx, Inc. or its affiliates. All rights reserved. LK-10378 Rev. 1 08/16