

**UK NEQAS for H&I Educational Scheme**

METHODOLOGY

DISPATCHED ON 23RD JUNE 2015

SAMPLE ED04/2015

Lab No.	Date received	Date tested	Method used * HLA-A	HLA-B	HLA-C	DRB1	DRB3,4,5	DQA1	DQB1	DPA1	DPB1	Source of Kits Commercial	Primers and Probes In-house	Other	Kit manufacturer	Detection Method
9	24-Jun		SSOP/GBT									Yes			One Lambda, Invitrogen	Fluorescence
12	25-Jun	01-Jul	SBT/LUM	LUM	LUM	LUM	LUM	LUM	LUM			Yes			One Lambda, Invitrogen	Fluorescence
14	25-Jun	26-Jun	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			One Lambda	Luminex
15	17-Jul	25-Jul	SSOP/GBT	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP			Yes	Yes		Immucor	Fluorescence
16	25-Jun	08-Jul	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP/LUM			Yes			Innotrain, Immucor	Gel, Fluorescence
19	26-Jun	01-Jul	SSOP/GBT	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP			Yes	Yes		Immucor	Fluorescence
20	29-Jun	01-Jul	SSP/GBT										Yes			Gel
23	25-Jun	01-Jul	SSP/LUM	LUM	LUM	LUM	LUM	LUM	LUM			Yes			One Lambda, Allset	Gel, Fluorescence
24	25-Jun	03-Jul	SBT/LUM	LUM	LUM	LUM	LUM		LUM			Yes			Immucor, GenDx	Fluorescence
26	26-Jun	26-Jun	SBT/LUM	SBT/LUM		SBT/LUM			SBT/LUM			Yes	Yes		One Lambda	Fluorescence
28	24-Jun	30-Jun	SSP/LUM									Yes			Life Technologies, One Lambda	
29	26-Jun	01-Jul	SSP/GBT									Yes			Olerup, ThermoFisher	Gel, Fluorescence
34	25-Jun	03-Aug	SBT/LUM	LUM	LUM	LUM		LUM	LUM	LUM	LUM	Yes			One Lambda, GenDx	Fluorescence
38	24-Jun	24-Jul	SSP/SSOP/GBT/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM			Yes			One Lambda, Conexio	Gel, Fluorescence
39	25-Jun	03-Jul	SSOP/GBT	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP			Yes			One Lambda, GenDx	Fluorescence
41	23-Jun	02-Jul	SSP/LUM									Yes			Life Technologies, One Lambda	Gel, Fluorescence
42	24-Jun	30-Jun	SBT/LUM	LUM	LUM	LUM		LUM	LUM			Yes			One Lambda, GenDx	Fluorescence
45	26-Jun	07-Jul	SSP/GBT										Yes			Fluorescence
54	24-Jun	03-Jul	LUM	LUM	LUM	LUM	LUM		LUM			Yes			Immucor	Fluorescence
58	24-Jun	06-Jul	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence
62	26-Jun	03-Aug	SSP/GBT	SBT	SBT	SBT	SBT		SBT			Yes			Life Technologies, One Lambda	Gel, Fluorescence
78	24-Jun	18-Aug	SSP	SSP	SSP	SSP	SSP		SSP			Yes			Rose	Gel
112	26-Jun	01-Jul	SSP	SSP	SSP	SSP	SSP		SSP			Yes			CTS	Gel
113	24-Jun	24-Jun	SSP/LUM		LUM	LUM	LUM		LUM			Yes			One Lambda, Olerup	Gel, Fluorescence
128	26-Jun	07-Jul	LUM	LUM	LUM	LUM			LUM			Yes			One Lambda	
130	24-Jun	25-Jun	SBT	SBT	SBT	SBT			SBT			Yes			GenDx	Gel, Fluorescence
132	25-Jun	16-Jul	SSP/SSOP/LUM/NGS	SSP/SSOP/LUM/NGS	NGS	SSOP/LUM/NGS			SSOP/LUM/NGS			Yes			Olerup, Immucor, Omixon	Gel, Luminex, Illumina Miseq
133	25-Jun	13-Jul	SBT/LUM	LUM	LUM	LUM			LUM			Yes			Immucor, GenDx	Fluorescence
142	24-Jun	03-Jul	LUM	LUM	LUM	LUM		LUM	LUM			Yes			Ingen, One Lambda	
147	24-Jun	24-Jun	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SSP		LUM			Yes	Yes		One Lambda	Gel, Fluorescence
156	26-Jun	01-Jul	SSP/GBT									Yes	Yes		Olerup	Gel, ABI3730
159	24-Jun	23-Jul	LUM									Yes			One Lambda	Fluorescence
164	29-Jun	07-Jul	SSP/GBT	SBT	SBT	SBT						Yes			Celera	Fluorescence
178	No results returned															
181	24-Jun	01-Jul	LUM	SSP/GBT/LUM	LUM	LUM		LUM	LUM			Yes			One Lambda, Olerup	Gel
193	24-Jun	01-Jul	SBT/LUM									Yes			One Lambda, Abbott	Fluorescence
195	30-Jun	13-Jul	LUM	LUM	LUM	LUM			LUM		LUM	Yes			One Lambda	Fluorescence
229	No results returned															
230	25-Jun	30-Jun	LUM	LUM	LUM	LUM			LUM			Yes			GenProbe	Fluorescence
238	24-Jun	02-Jul	SSOP/GBT	SBT	SBT	SBT			SBT	SBT	SBT	Yes			Celera	Big dye terminator
245	24-Jun	25-Jun	SSOP/GBT									Yes			BAG, Protrans	Fluorescence
252	No results returned															
259	No results returned															
260	25-Jun	30-Jul	SBT/LUM	LUM	LUM	LUM			LUM			Yes			Immucor, Lifecodes, GenDx	Fluorescence
262	01-Jul	07-Jul	SBT/LUM	LUM	LUM	LUM		LUM	LUM			Yes			One Lambda, Abbott	Fluorescence
267	25-Jun	03-Jul	SBT/LUM	LUM	LUM	LUM			LUM			Yes			Protrans, Immucor	Fluorescence
284	24-Jun	21-Jul	SSP/GBT/LUM									Yes			One Lambda, Olerup, Protrans	Gel, Fluorescence
297	25-Jun	20-Jul	SSO/GBT	SSO/GBT	SSO/GBT	SSO	SSO	SSO	SSO	SSO	SSO	Yes				
323	23-Jun	01-Jul	LUM	LUM	LUM	LUM		LUM	LUM			Yes			One Lambda	Fluorescence

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CLASS I DNA TYPING RESULTS

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SAMPLE ED04/2015

Lab No.	HLA-A*	A*	B*	B*	C*	C*
9	03:162N	24:02				
12	03:162N	24:02/02L				
14	03	24	07	51	01	07
15	03:01/20/26/37/45/78/112/118/132/134/162N	24:02/76/79/144/150/153/154/231	07	51	01	07
16	03	24	07	51	01	07
19	03:162N	24:02:01:01	07	51	01	07
20	03	24:02				
23	03:01	24:02	07	51	01	07
24	03:162N	24:02	07	51	01	07
26	03:162N	24:02	07:02	51:01	01:02/85	07:02
28	03:01/01N-209	24:02/02Q-293				
29	03:162N	24				
34	03:01/08	24:02/07	07	51	01	07
38	03:01/20/21N/26/112/129N/132/134/162N	24:02/150/153/154	07	51	01	07
39	03:162N	24:02	07	51	01	07
41	03	24				
42	03:162N	24:02	07	51	01	07
45	03:162N	24:02				
54	03	24	07	51	01	07
58	03	24	07	51	01	07
62	03:162N	24:02	07	51	01	07
78	03	24	07	51		
112	03	24	07	51		
113	03:01	24:02	07	51	01	07
128	03	24	07	51	01	07
130	03:162N	24:02	07:02:01	51:01:01	01:02:01	07:02:01
132	03:162N	24:02	07:02	51:01	01:02	07:02
133	03:162N	24:02	07	51	01	07
142	03	24	07	51		
147	03:162N	24:02:01:01	07:02:01/07:61	51:01:01	01:02:01/11/30/01:85	07:02:01
156	03:162N	24:02				
159	03:AEGDD	24:AEHTU				
164	03:162N	24:02	07:02	51:01	01:02	07:02
178						
181	03	24	07	51	01	07
193	03:162N	24:02				
195	03	24	07	51	01	07
229						
230	03	24	07	51	01	07
238	03:Nul?	24:Nul?	07	51	01	07
245	03:1/81N/112/129N	24:02/11N/40N/76/144/263/268				
252						
259						
260	03:01:01	24:02	07	51	01	07
262	03:162N	24:02	07	51	01	07
267	03:162N	24:02	07	51	07	07
284	03:132	24:02:01G				
297	03:01:01G	24:02:01G	07:02	51:01	01:02	07:02
323	03	24	07	51	01	07

Technical problems with A3 SBT

HLA-A: HLA typing in SSO with no particularity because exon 2 and 3 checked.  
HLA typing in SBT shows an insertion of 4 bases at position 665 for HLA A\*03 or A\*24 in exon 4 leading to codon 199 STOP.

Other combinations = A\*03:132, A\*24:272/275/276/279/280/282/287

**UK NEQAS for H&I Educational Scheme**

CLASS II DNA TYPING RESULTS

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SAMPLE ED04/2015

Lab No.	HLA-DRB1*	DRB1*	DRB3*	DRB5*	DQA1*	DQA1*	DQB1*	DQB1*	DPB1*	DPB1*	Comments
12	11	15	02	01			03	06			
14	11	15	02	01			03:01/27-29/35	06			
15	11	15	02	01			03:01/19-22/27	06	04:01		
16	11	15	02	01	01	05	03	06			
19	11	15	02	01			03	06	04	04	
23	11:01	15:01	02:02	01:01	01:02	05:05	03:01	06:02			
24	11	15	02	01			03	06			
26	11:01/97	15:01					03:01	06:02			
34	11	15					03:01	06:02	04:01	39:01	
38	11:01	15:01	02	01			03:01	06:02			
39	11	15	02	01			03:01/27-29	06			
42	11	15					03	06			
54	11	15	02	01			03	06			
58	11	15	02	01			03	06	04		
62	11:01:01	15:01:01	02	01			03	06			
78	11	15					03	06			
112	11	15	+	+							
113	11	15					03	06			
128	11:01/97/100/117/133/134/140/141	15:01/72/74/75/79/81/85/86/90/91/97/98					03:01/27-29/35/42/44/47/49-51/73/83/84N/92-94/114-116	06:02/84/107/109/111/113-117/127			
130	11:01:01	15:01:01					03:01:01	06:02:01			
132	11:01	15:01					03:01	06:02			IMGT/HLA db 3.19
133	11	15					03:01/19/21/22/27-29/35/42/44...	06			
142	11	15					03	06			
147	11:01:01/08/11:97	15:01	02:02	01:01			03:01	06:02	04:01		
164	11:01	15:01									
178											
181	11	15					03:01	06			
195	11	15					03	06	04		
229											
230	11	15					03	06			
238	11:01G	15:01					03	06	04:01G		
252											
259											
260	11	15					03	06			
262	11	15					03:01	06:02			
267	11	15					03	06			
297	11:01	15:01					03:01	06:02			
323	11	15					03	06			