

UK NEQAS for H&I Educational Scheme

METHODOLOGY

DESPATCHED ON 28/06/2016

SAMPLE ED 04/2016

Lab No.	Date received	Date tested	Method used * HLA-A	HLA-B	HLA-C	DRB1	DRB3,4,5	DQA1	DQB1	DPA1	DPB1	Source of Primers and Probes Kits			Kit manufacturer	Detection Method	Comments
												Commercial	In-house	Other			
9	29-Jun	30-Jun	SBT/LUM	SBT/LUM	LUM	LUM	LUM	LUM	LUM	LUM		Yes			One Lambda, Invitrogen	Fluorescence	
12	28-Jun	06-Jul	SBT	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP		Yes			One Lambda, Life Technologies	Fluorescence	
14	29-Jun	07-Jul		SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			One Lambda	Luminex	
15	30-Jun	06-Jul	SSP/SBT/LUM	SSP/SBT/LUM	LUM	LUM	LUM	SSP/LUM	LUM	LUM		Yes	Yes		Immucor	Gel, Fluorescence	
16	29-Jun	05-Jul															
19	01-Jul	13-Jul	SBT	LUM	LUM	LUM	LUM	LUM	LUM	LUM		Yes			Immucor	Fluorescence	
20	29-Jun	04-Jul	SSP/SBT	SSP/SBT										Yes			Gel
23	28-Jun	15-Jul	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
24	30-Jun	07-Apr	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
26	30-Jun	30-Jun	SBT/LUM	SBT/LUM	LUM	LUM	LUM			LUM		Yes	Yes		One Lambda	Fluorescence	
28	29-Jun	05-Jul	LUM	LUM								Yes			One Lambda		
29	30-Jun	01-Jul	SBT	SBT	SBT	SBT			SBT			Yes			Invitrogen	Fluorescence	
34	30-Jun	01-Jul	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM		LUM	SBT/LUM	LUM	Yes			One Lambda, GenDx	Fluorescence	
38	29-Jun	30-Jun	SBT	SBT/LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda, Conexio	Gel, Fluorescence	
39	29-Jun	01-Jul	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			One Lambda, GenDx	Fluorescence	
41	29-Jun		SSOP	SSOP								Yes			One Lambda	Fluorescence	
42	29-Jun	12-Jul	SBT/LUM	LUM	LUM	LUM	LUM		LUM	LUM		Yes			One Lambda, GenDx	Fluorescence	
45	29-Jun	18-Jul	SSP/SBT	SSP/SBT										Yes			Gel
48	29-Jun	08-Aug	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP		SSP/SBT		Yes			Life Technologies	Gel	
54	29-Jun	05-Jul	SBT	LUM	LUM	LUM	LUM	LUM	LUM	LUM		Yes	Yes		Immucor	Fluorescence	
58	29-Jun	01-Jul	LUM	LUM	LUM	LUM	LUM		LUM	LUM		Yes			One Lambda	Fluorescence	
62	30-Jun	30-Jun	SBT/TGS	SSP/SBT/TGS	SSP/SBT/TGS	SBT/TGS			SBT/TGS	SBT/TGS		Yes			Olerup, Secore	Gel, Fluorescence	Third Generation Sequencing
78	07-Jan	23-Aug	SSP	SSP				SSP	SSP	SSP		Yes			CTS, Biorad	Gel	
112	29-Jun	29-Jun		SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM/NGS			SSP/LUM/NGS		Yes			One Lambda, Olerup, GenDx	Gel, Fluorescence, Illumina MiSeq	
128	29-Jun	12-Jul	LUM	LUM	LUM	LUM	LUM			LUM		Yes			One Lambda	Fluorescence	
130	29-Jun	05-Jul		SBT	SBT	SBT	SBT			SBT		Yes			GenDx	Gel, Fluorescence	
132	29-Jun	08-Apr	SSP	NGS	NGS	NGS	NGS		NGS	NGS		Yes			Olerup, Holotype	Gel, Illumina Miseq	
133	01-Jul	25-Jul	SSP/SBT/LUM	LUM	LUM	LUM	LUM			LUM		Yes			GenDx, Immucor, Olerup	Gel, Fluorescence	
142	01-Jul	13-Jul	RT-PCRSSP	RT-PCRSSP	RT-PCRSSP	SBT/RT-PCRSSP	RT-PCRSSP		RT-PCRSSP			Yes			Linkage Biosciences	Fluorescence	
147	28-Jun	28-Jun	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SSP		LUM		Yes	Yes		One Lambda, Olerup	Gel, Fluorescence	
156	01-Jul	05-Jul	SBT	SBT	SBT	SBT	SBT			SSOP		Yes	Yes		One Lambda, Olerup	Gel, ABI3730	
159	29-Jun	07-Jul															
164	25-Jul	27-Jul	SBT	SBT	SSP/SBT	SBT						Yes			Abbott, Atria, Olerup	Gel, Fluorescence	
178	01-Jul	10-Jul	LUM	LUM	LUM	SSP			LUM	SSP		Yes			One Lambda, Olerup	Gel	
181	29-Jun		SSP/SBT/LUM	LUM	LUM	LUM	LUM		LUM	LUM		Yes			One Lambda	Gel	
193			NGS	NGS	NGS	NGS			NGS			Yes			Omixon	Illumina Miseq	
195	01-Jul	13-Jul	SSP/LUM	LUM	LUM	LUM	LUM		LUM	LUM		Yes			One Lambda	Fluorescence	
229	28-Jun	05-Aug	LUM	LUM	LUM	LUM	LUM		LUM	LUM		Yes			Lifecodes	Fluorescence	
230	30-Jun	15-Jul															
238			SBT	SSP/SBT	SBT	SBT	SBT			SBT	SBT	Yes			Celera, Olerup	Gel, Big dye terminator	
245	30-Jun	05-Jul	SBT	SBT	SBT	SBT	SBT			SBT	SBT	Yes			BAG, Protrans	Fluorescence, Mr SPOT	
252																	
259	30-Jun	13-Jul	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM			SSOP/LUM		Yes					
260			LUM	LUM	LUM	LUM	LUM			LUM	LUM	Yes			Immucor	Fluorescence	
262	05-Jul	21-Jul	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP	LUM	SSP/SBT/LUM	LUM	Yes			One Lambda, Abbott, Olerup	Gel	
267	30-Jun	07-May	SBT/LUM	SBT/LUM	LUM	LUM	LUM			LUM		Yes			Protrans, Immucor	Fluorescence	
284	30-Jun	05-Jul	SBT/LUM	SBT/LUM	LUM	LUM	LUM			LUM	LUM	Yes			One Lambda, Protrans	Fluorescence	
292	30-Jun	04-Jul	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM		Yes			One Lambda	Fluorescence	
315	30-Jun	01-Jul	SSP	SSP	SSP	SSP	SSP			SSP	SSP	Yes			Innotrain	Fluorescence	
323	07-Jul		LUM	LUM	LUM	LUM	LUM			LUM	LUM	Yes			One Lambda	Fluorescence	

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CLASS I DNA TYPING RESULTS

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SAMPLE ED 04/2016

Lab No.	HLA-A*	A*	B*	B*	C*	C*	Comments
9	11	24	40	40:10	04		
12	11	24	40:01	40:10	04	04	
14	11	24	40:01/10/22N/43		04	04	
15	11	24	40:01/55/141	40:10	04	04	
16	11	24	40		04		
19	11	24	40:01	40:10	04:03	04:01	
20	11	24	40:01/216N/265N	40:10	04		
23	11	24	40		04		
24	11	24	40:01	40:10	04	04	
26	11	24	40:01	40:10	04	04	
28			40:01/14-308	40:10/282			
29	11:01/12/19/88/178/224	24:02/07/19/50/145/260	40:01	40:10	04:03	04:01/09N/30/82	
34	11:01/02/03...	24:02/05/07...	40:01	40:10	04:03/171	04:01/05/09N...	
38	11	24	40:01	40:10	04	04	
39	11	24	40:01	40:10	04		
41	NT	NT	NT	NT	NT	NT	
42	11	24	40:01	40:10	04	04	
45			40:01	40:10:01			
48	11	24	40:01	40:10	04		
54	11	24	40:01	40:10	04		
58	11	24	40	40	04	04	
62	11:01:01:01	24:02:01:01	40:01:02	40:10:01:02	04:03:01	04:82	
78							
112	11	24	40				
113	11:01:01:01	24:02:01:01	40:01:02	40:10:01	04:03	04	
128	11	24	40		04	04	
130	11	24	40:01:02	40:10:01	04	04	
132	11:01	24:02	40:01	40:10	04:03	04:82	
133	11:01	24:02	40:01	40:10	04:03	04:82	
142	11	24	40:01	40:10	04	04	
147			40:01	40:10:01			
156	11	24	40:01/55/141/150/151/179/221/236/241/247/264/272/278/299/301	40:10:01	04:03:01	40:01/226	
159			40:01	40:10			
164	11	24	40:01	40:10	04:03	04	
178	11	24	40:01	40:10	04:03	04:82	
181	NT	NT	NT	NT	NT	NT	Low number of technical personnel
193	11:01	24:02	40:01	40:10	04:03	04:82	
195	11	24	40	40	04	04	
230	11	24	40	40	04	04	
238	11:01	24:02	40:01	40:10	04:03	04:82	
245	11	24	40:01	40:10	04	04	
252							
259	11	24	40		04		
260							
262	11	24	40	40:10	04:03	04:01	
267	11	24	40:01	40:10	04	04	
284	11	24	40:01	40:10:01	04	04	
292	11	24	40	40	04	04	
315	11	24	40:01	40:10	04:01		
323	11	24	40	40	04	04	

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CLASS II DNA TYPING RESULTS

DESPATCHED ON 28/06/2016

SAMPLE ED 04/2016

Lab No.	HLA-DRB1*	DRB1*	DRB3*	DRB4*	DQB1*	DQB1*	DPB1*	DPB1*	Comments
9	04	11	01/02/03	01/02/03	03	03			
12	04	11	02	01	03	03			
14	04	11	02	01	03:01	03:02	02:01	04:01	
15	04	11	02	01	03:01/04/09	03:02/07/08			
16	04	11	02	01	03				
19	04	11	02	01	03		02:01	04:01	
20	04	11	+	+	03	03			
23	04:03	11:01	02	01	03:01	03:02	02:01	04:01	
24	04	11	02	01	03	03			
26	04	11			03	03			
28									
29	04:03	11:01			03:01	03:02			
34	04:03/50/51...	11:01/12/15...			03:01/04/14...	03:02/62/63...			
38	04:03	11:01	02	01	03:01	03:02	02:01	04:01	
39	04	11	02	01	03:01/04/14/27	03:02/62-64			
41	NT	NT	NT	NT	NT	NT	NT	NT	
42	04	11	02	01	03	03	02	04	
45									
48	04	11	02/03	01	03	03			
54	04	11	02	01	03				
58	04	11	02	01	03	03	02	04	
62	04:03:01	11:01:01			03:01:01:03	03:02:01	02:01	04:01:01:01	
78									
112	04	11	+	+	03	03			
113	04:03:01	11:01:01			03:01:01	03:02:01			
128	04:03	11:01			03	03:02			
130	04	11			03	03			
132	04:03	11:01			03:01	03:02	02:01	04:01	
133	04:03	11:01			03:01	03:02			
142	04	11	02	01	03	03	02	04	
147									
156	04:03:01	11:01:01			03				
159									
164	04	11							
178	04	11			03				
181	NT	NT	NT	NT	NT	NT	NT	NT	Low number of technical personnel
193	04:03	11:01			03:01	03:02			
195	04	11			03	03	02	04	
230	04	11			03	03			
238	04:03	11:01			03:01	03:02	02:01	04:01	
245	04	11			03	03			
252									
259	04	11			03				
260									
262	04	11			03	03	02:01	04:01	
267	04	11			03	03			
284	04	11			03	03	02	04	
292	04	11	02	01	03	03			
315	04	07	02:02	01:03	03:01	03:02	02:01	04:01	
323	04	11			03	03			

UK NEQAS for H&I Educational Scheme

SEROLOGICAL TYPING RESULTS

DESPATCHED ON 28/06/2016

SAMPLE ED 04/2016

Lab No.	HLA-A		HLA-B		Bw4,w6	Cw	Cw	DR	DR	DR51, 52,53	DQ	DQ	Viability %			Comments
	A	A	B	B									U	T	B	
112	11	9	60		6			4	5	52/53	7	8				
229	11	24	40	40		4	4	4	11		3	3				

NOTE The tabulation includes all the information received.
? = doubtful assignment; wk = weak aintgen; NT = not tested
"Not reported" is shown by a blank in the list