

UK NEQAS for H&I Educational Scheme

METHODOLOGY

DESPATCHED ON 28/06/2016

SAMPLE ED 03/2016

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																	
112	07-Jan	23-Aug	SSP	SSP		SSP	SSP	SSP	SSP	SSP		Yes		CTS, Biorad	Gel		
113	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			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				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			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			Yes		One Lambda	Fluorescence		
229	28-Jun	05-Aug	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	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			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			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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Lab No.	HLA-A*	A*	B*	B*	C*	C*	Comments
9	11		08	27	02:22	07	
12	11		08	27	02:22	07:01/06/18/166/343/419/458	
14	11		08	27	02	07	
15	11		08	27	02:22	07:01/06/18	
16	11		08	27	02	07	
19	11		08	27	02:22	07:01	
20	11		08	27	02:22	07:01	
23	11		08	27	02	07	
24	11		08	27	02:22	07:01/166	
26	11		08	27	02:22	07:01	
28					02:22	07:01/06-144	
29	11:01		08:01/126	27:05/08/13	02:22	07:01/06/18/166/343/419/458	
34	11:01/02/03...		08:01/08N/14...	27:03/05/07...	02:22	07:01	
38	11		08	27	02:22	07:01	
39	11		08	27	02:22	07:01	
41	NT	NT	NT	NT	NT	NT	
42	11		08	27	02:22	07	
45					02:22	07:01	
48	11		08	27	02:22	07	
54	11		08	27	02:22	07:01:01	
58	11		08	27	02:22	07	
62	11:01:01:01		08:01:01	27:05:02	02:22	07:01:01:01	
78							
112	11		08	27			
113	11:01:01:01		08:01:01	27:05:02	02:22	07:01:01:01	
128	11		08	27	02	07	
130	11		08	27	02:22	07:01:01	
132	11:01		08:01	27:05	02:22	07:01	
133	11:01	11:01	08:01	27:05	02:22	07:01	
142	11	11	08	27	02:22	07:01	
147					02:22	07:01:01:01	
156	11:01:01		08:01/19N/109	27:05/13	02:22	07:01/18/166/458	
159					02:22	07:01	
164	11:01	11:01	08:01	27	02:22	07:01	
178	11		08	27	02:22	07	
181	NT	NT	NT	NT	NT	NT	Low number of technical personnel
193	11:01	11:01	08:01	27:05	02:22	07:01	
195	11		08	27	02	07	
230	11	11	08	27	02	07	
238	11:01		08:01	27:05	02:22	07:01	
245	11	11	08	27	02:22	07	
252							
259	11		08	27	02	07	
260							
262	11		08	27	02:22	07	
267	11	11	08	27	02:22	07:01/06/18/343/419/458	Alternative combination C*02:22, 07:166
284	11	11	08	27	02:22	07:01:01:01/07:01:02/07:01:19/07:01:39/07:06/18/52/153/166/337/343	
292	11	11	08	27	02	07	
315	11		08	27	02	07	
323	11		08	27	02	07	

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CLASS II DNA TYPING RESULTS

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SAMPLE ED 03/2016

Lab No.	HLA-DRB1*	DRB1*	DRB4*	DRB4*	DQB1*	DQB1*	DPB1*	DPB1*	Comments
9	04	07	01/02/03		02	03			
12	04	07	01		02	03			
14	04	07	01		02	03:02	04:01	17	
15	04	07	01		02	03:02/32/45			
16	04	07	01		02	03			
19	04	07	01		02	03	04:01	17:01	
20	04	07	+		02	03			
23	04:04	07:01	01		02:02	03:02	04:01	17:01	
24	04	07	01		02	03			
26	04	07			02	03			
28									
29	04:04	07:01			02:02	03:02			
34	04:04/23/44...	07:01/03/05...			02:02/12	03:02/85/90N/190			
38	04:04	07:01	01		02:02	03:02	04:01	17:01	
39	04	07	01		02	03:02/85/90N/190			
41	NT	NT	NT	NT	NT	NT	NT	NT	
42	04	07	01		02	03	04	17	
45									
48	04	07	01		02	03			
54	04	07	01		02	03			
58	04	07	01		02	03	04	17	
62	04:04:01	07:01:01			02:02:01	03:02:01	04:01:01:01	17:01	
78									
112	04	07	+		02	03			
113	04:04:01	07:01:01:01			02	03			
128	04:04	07:01			02:02	03:02			
130	04	07			02	03			
132	04:04	07:01			02:02	03:02	04:01	17:01	
133	04:04	07:01			02:02	03:02			
142	04	07	01		02	03	04	17	
147									
156	04:04:01	07:01:01			02	03			
159									
164	04:04	07							
178	04	07			02	03			
181	NT	NT	NT	NT	NT	NT	NT	NT	Low number of technical personnel
193	04:04	07:01			02:02	03:02			
195	04	07			02	03	04	17	
230	04	07			02	03			
238	04:04	07:01			02:02	03:02	04:01	17:01	
245	04	07			02	03			
252									
259	04	07			02	03			
260									
262	04	07			02	03	04:01	17:01	
267	04	07			02	03			
284	04	07			02	03	04	17	
292	04	07	01		02	03			
315	04	07	01:01	01:03	02	03:02	04:01	17:01	
323	04	07			02	03			

UK NEQAS for H&I Educational Scheme

SEROLOGICAL TYPING RESULTS

DESPATCHED ON 28/06/2016

SAMPLE ED 03/2016

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		8	27	4/6			4	7	53	2	8					
229	11	11	8	27		2	7	4	7		2	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