

UK NEQAS for H&I Educational Scheme

METHODOLOGY

DESPATCHED ON 26/01/2016

SAMPLE ED 01/2016

Lab No.	Date received	Date tested	Method used Area of Interest	HLA-A	HLA-B	HLA-C	DRB1	DRB3,4,5	DQA1	DQB1	DPA1	Source of Primers and Probes			Kit manufacturer	Detection Method	Comments
												Commercial	In-house	Other			
9	27-Jan	28-Jan	SBT/LUM	SBT/LUM	LUM	LUM	LUM	LUM	LUM	LUM		Yes		One Lambda, Invitrogen	Fluorescence		
12	27-Jan	29-Jan	SBT	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP		Yes		One Lambda, Life Technologies	Fluorescence		
14	27-Jan	28-Jan		SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes		One Lambda	Luminex		
15	27-Jan	28-Jan	SSP/SBT/LUM	SSP/SBT/LUM	LUM	LUM	LUM	SSP/LUM	LUM	LUM		Yes	Yes	Immucor	Gel, Fluorescence		
16	27-Jan	02-Feb															
19	27-Jan	29-Jan	SBT	LUM	LUM	LUM	LUM	LUM	LUM	LUM		Yes		Immucor	Fluorescence		
20			SSP/SBT	SSP/SBT									Yes		Gel		
23	27-Jan	04-Feb		LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		One Lambda	Fluorescence		
24	28-Jan	04-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes		Immucor	Fluorescence		
26	10-Feb	07-Mar	SBT/LUM	SBT/LUM	LUM	LUM	LUM			LUM		Yes	Yes	One Lambda	Fluorescence		
28	27-Jan	02-Feb		LUM								Yes		One Lambda			
29	27-Jan	04-Feb	SSP/SSOP/SBT									Yes		Olerup, BAG	Gel, Sanger Sequencing		
34	27-Jan	28-Jan	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM		LUM	SBT/LUM	LUM	Yes		One Lambda, GenDx	Fluorescence		
38	27-Jan	29-Jan	SBT	SBT/LUM	LUM	LUM	LUM		LUM	LUM	LUM	Yes		One Lambda, Conexio	Gel, Fluorescence		
39	28-Jan	02-Feb	SSOP	SSOP/SBT	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes		One Lambda, GenDx	Fluorescence		
41	27-Jan	05-Feb	SSOP	SSOP								Yes		One Lambda	Fluorescence		
42	27-Jan	04-Feb		SBT/LUM	LUM	LUM	LUM		LUM	LUM		Yes		One Lambda, GenDx	Fluorescence		
45	28-Jan	04-Feb	SSP/SBT	SSP/SBT									Yes		Gel		
48	29-Jan	15-Feb - 07-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP		SSP/SBT		Yes		Life Technologies	Gel		
54	27-Jan	09-Jan	SBT	LUM	LUM	LUM	LUM	LUM	LUM	LUM		Yes	Yes	Immucor	Fluorescence		
58	27-Jan	28-Jan	LUM	LUM	LUM	LUM	LUM		LUM	LUM		Yes		One Lambda	Fluorescence		
62	02-Feb	02-Feb		SBT	SBT	SBT	SBT	SBT		SBT		Yes		Life Technologies	Fluorescence	Third Generation Sequencing	
78																	
112	15-Jan	28-Jan	SSP	SSP	SSP	SSP	SSP	SSP		SSP		Yes		CTS, Biorad	Gel		
113				SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM/NGS			SSP/LUM/NGS		Yes		One Lambda, Olerup, GenDx	Gel, Fluorescence, Illumina MiSeq		
123																	
128	29-Jan		LUM	LUM	LUM	LUM	LUM			LUM		Yes		One Lambda	Fluorescence		
130	27-Jan	29-Jan		SBT	SBT	SBT	SBT			SBT		Yes		GenDx	Gel, Fluorescence		
132	27-Jan	22-Feb	SSP	NGS	NGS	NGS	NGS		NGS	NGS		Yes		Olerup, Holotype	Gel, Illumina Miseq		
133	28-Jan	01-Feb	SSP/SBT/LUM	LUM	LUM	LUM	LUM			LUM		Yes		GenDx, Immucor, Olerup	Gel, Fluorescence		
142	29-Jan	09-Feb		LUM	LUM	LUM	LUM			LUM		Yes		One Lambda	Fluorescence		
147	27-Jan	27-Jan		SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SSP		LUM		Yes	Yes	One Lambda, Olerup	Gel, Fluorescence		
156	02-Feb	01-Mar	SBT	SBT	SBT	SBT	SBT			SSOP		Yes	Yes	One Lambda, Olerup	Gel, ABI3730		
159																	
164	27-Jan	15-Feb		SBT	SBT	SBT	SBT					Yes		Abbott, Atria	Fluorescence		
178	01-Feb	01-Mar		SSP/LUM	LUM	LUM	LUM			SSP		Yes		One Lambda, Lifecodes	Gel		
181	27-Feb	27-Feb	SSP/SBT/LUM	LUM	LUM	LUM	LUM			LUM		Yes		One Lambda	Gel		
193	27-Jan	16-Feb		SBT/LUM								Yes		One Lambda, Abbott	Fluorescence		
195	29-Jan	26-Feb	SSP/LUM	LUM	LUM	LUM	LUM			LUM		Yes		One Lambda	Fluorescence		
229	28-Jan	03-Feb	LUM	LUM	LUM	LUM	LUM			LUM		Yes		Lifecodes	Fluorescence		
230																	
238	27-Jan	05-Feb	SBT	SSP/SBT	SBT	SBT	SBT			SBT	SBT	Yes		Celera, Olerup	Gel, Big dye terminator		
245	03-Feb	12-Feb	SBT	SBT	SBT	SBT	SBT			SBT	SBT	Yes		BAG, Protrans	Fluorescence, Mr SPOT		
252																	
259	29-Jan	25-Feb	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM			SSOP/LUM		Yes					
260	03-Feb	04-Feb		LUM	LUM	LUM	LUM			LUM	LUM	Yes		Immucor	Fluorescence		
262	03-Feb	03-Feb	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	28-Jan	03-Feb	SBT/LUM	SBT/LUM	LUM	LUM	LUM			LUM		Yes		Protrans, Immucor	Fluorescence		
284	27-Jan	12-Feb	SBT/LUM	SBT/LUM	LUM	LUM	LUM		LUM	LUM		Yes		One Lambda, Protrans	Fluorescence		
315			SSP	SSP	SSP	SSP	SSP	SSP		SSP		Yes		Bionobis, Olerup	Gel		
323	28-Jan	02-Feb	LUM	LUM	LUM	LUM	LUM		LUM	LUM		Yes		One Lambda	Fluorescence		

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CLASS I DNA TYPING RESULTS

DESPATCHED ON 26/01/2016

SAMPLE ED 01/2016

Lab No.	HLA-A*	A*	B*	B*	C*	C*	Comments
9	01:01:65	02:01	07	57	06	07	
12	01:01:65	02:01/02:01L	07	57	06	07	
14	01	02	07	57	06	07	
15	01:01:65	02:01	07	57	06	07	
16	01	02	07	57	06	07	
19	01:01:65	02:01:01:01	07	57	06	07	HLA-A confirmed by SBT
20	01:01:65	02:01					
23	01	02	07	57	06	07	
24	01:01:65	02:01:01	07	57	06	07	HLA-A*02:01:01:02L cannot be excluded
26	01:01:65	02:01	07	57	06	07	
28	01:01/01:01L-01:168	02:01/02:01L-02:555					
29	01:01:65	02:01/294/327					
34	01:01:65	02:01:01:01	07	57	06	07	
38	01:01:65	02:01	07	57	06	07	
39	01:01	02:01	07	57	06	07	
41	01	02					
42	01:01:65	02:01	07	57	06	07	
45	01:01:65	02:01:01					
48	01:01:65	02:01	07	57	06	07	
54	01:01:65	02:01:01	07	57	06	07	
58	01	02	07	57	06	07	
62	01:01:65	02:01:01:01	07:02/56/57/61/86/161N	57:01/10/58/60	06:02:01:01	07:02:01:03	
78							
112	01	02	07	57			
113	01:01:65	02:01:01:01	07:02:01	57:01:01	06:02:01:01	07:02:01:03	
123							
128	01	02	07	57	06	07	
130	01:01:65	02:01:01	07:02:01	57:01:01	06:02:01	07:02:01	
132	01:01	02:01	07:02	57:01	06:02	07:02	
133	01:01:65	02:01:01	07	57	06	07	
142	01	02	07	57			
147	01:01:65	02:01:01	07:02:01G	57:01:01	06:02:01G	07:02:01	
156	01:01:65	02:01/02:01L	07	57	06	07	
159							
164	01:01:65	02:01	07	57	06	07	
178	01:01/99/102/167	02:01	07	57	06	07	
181	01:1	02	07:02	57:01	06:02	07:02	
193	01:01:65	02:01:01					
195	01	02	07	57	06	07	
229	36	02	07	57	06	07	
230							
238	01:01:65	02:01:01/294/327	07:02:01G	57:01:01	06:02:01G	07:02:01	
245	01:01:65	02:01	07	57	06	07	
252							
259	01	02	07	57	06	07	
260	01	02	07	57	06	07	
262	01:01:65	02	07	57	06	07	
267	01:01:65	02:01	07	57	06	07	
284	01:01:65	02:01:01G	07	57	06	07	
315	01:01	02:01	07	57:01	06:02	07:02	
323	01	02	07	57	06	07	

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CLASS II DNA TYPING RESULTS

DESPATCHED ON 26/01/2016

SAMPLE ED 01/2016

Lab No.	HLA-DRB1*	DRB1*	DRB3*	DRB4*	DQB1*	DQB1*	DPB1*	DPB1*	Comments
9	07	14	02	01:03N	03	05			
12	07	14	02	01N	03	05			
14	07	14	02	01:03:01:02N	03:03	05	04:01		
15	07	14	02	01:03:01:02N	03:03/15/26	05			
16	07	14	01/02/03	01/02/03	03	05			
19	07	14	02	01	03	05			
20									
23	07:01	14:54	02:03	01:03:01:02N	03:03	05:03	04:01		
24	07	14	02	01	03	05			
26	07	14			03	05			
28									
29									
34	07	14			03:03/31/33/34...	05			
38	07:01	14:01/54	02	01:03:01:02N	03:03	05:03			
39	07	14	02:03	01:03:01:02N	03:03/31/33/34/39/86/87	05:03/08/10/15/16			
41									
42	07	14			03	05			
45									
48	07:01	14:54	02/03	01:02:03:01:02N	03	05			
54	07	14	02:03	01	03	05			
58	07	14			03	05			
62	07:01:01	14:54:01	02:03	01/02/03	03:03:02:01	05:03:01			
78									
112	07	14	+	+	03:03	05			
113	07:01:01	14:54:01			03:03:02:01	05:03:01			
123									
128	07	14			03	05			
130	07:01:01	14:54:01			03:03:02	05:03:01			
132	07:01	14:54			03:03	05:03	04:01	04:01	
133	07	14			03	05			
142	07	14			03	05			
147	07:01:01G	14:54:01	02:03	01:03:01:02N	03:03	05:03	04:01		
156	07:01:01	14:54:01			03	05			
159									
164	07	14							
178	07	14			03	05			
181	07	14			03:03	05			
193									
195	07	14			03	05	04		
229	07	14			03	05			
230									
238	07:01:01G	14:01:01G			03:03:02	05:03:01	04:01:01G		
245	07	14			03	05			
252									
259	07	14			03	05			
260	07	14			03	05			
262	07	14			03:03	05			
267	07	14			03	05			
284	07	14			03	05			
315	07:01	14	02:03	01:03N	03:03	05	04:01		
323	07	14			03	05			