

UK NEQAS for H&I Educational Scheme

METHODOLOGY

DESPATCHED ON 21st February 2017

SAMPLE ED02/2017

Lab No.	Date	Method used *		HLA-C	DRB1	DRB3,4,5	DQA1	DQB1	DPB1	Source of Primers and Probes			Kit manufacturer	Detection Method
		HLA-A	HLA-B							Commercial Kits	In-house	Other		
9	17-Mar		LUM/ SBT								YES		One Lambda, Secore	
12		NGS	NGS	NGS	NGS	NGS	NGS	NGS	NGS		YES		illumina	Fluorescence
14		LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM		YES		One Lambda	LUM
15	17-Mar	LUM	LUM/ SBT	LUM	LUM	LUM	LUM	LUM	LUM		YES	YES	Immucor	Fluorescence
19														
20	10-Mar	SSP	SSP/ SBT		SSP				SSP			YES		Gel
23	13-Mar	LUM	LUM/ SBT	LUM	LUM	LUM	LUM		LUM		YES		One Lambda	
24		LUM	LUM/ SBT	LUM	LUM	LUM			LUM		YES		Immucor, GenDx	Fluorescence
26		LUM	LUM/ SBT	LUM	LUM				LUM					
28	09-Mar		LUM/ SBT								YES		One Lambda	
29	22-Feb										YES		One Lambda, Olerup, BAG Health Care	Gel, Fluorescence, Reverse dot-blot assay
38														
39		LUM	LUM/ SBT	LUM	LUM	LUM	LUM	LUM	LUM		YES		One Lambda, Gendx	Fluorescence
41		NGS	NGS	NGS	NGS				NGS		YES		OMIXON HOLO 24	ILLUMINA MISEQ
42		LUM	LUM	LUM	LUM		LUM	LUM	LUM		YES		One Lambda	Fluorescence
45	24-Mar		SSP/ SBT									YES		Gel, Fluorescence
48		SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP			SSP/ SBT		YES	YES	Life Technologies - ALLSET GOLD, SeeCORE	Gel
54														
58		LUM	LUM	LUM	LUM		LUM	LUM	LUM		YES		One Lambda	Fluorescence
62	15-Mar	SBT/ NGS	SSP/ SBT/ NGS	SBT/ NGS	SBT/ NGS	SBT			SBT/ NGS	SBT/ NGS	YES	YES	Olerup, Lifetech. PACBio	Gel, Fluorescence
78	16-Mar	SSP	SSP		SSP				SSP		YES			Gel, Fluorescence
112														
113		LUM/ NGS	LUM/ NGS	LUM/ NGS	LUM/ NGS	NGS			LUM/ NGS		YES		One Lambda. GENDX/ ILLUMINA	Gel. ILLUMINA MISEQ
128	17-Mar	LUM	LUM	LUM	LUM		LUM	LUM	LUM			YES	One Lambda	
130	10-Mar	SBT	SBT	SBT	SBT				SBT				GenDx	
132	13-Mar	SSP/ NGS	SSP/ NGS	SSP/ NGS	SSP/ NGS	SSP			SSP/ NGS	SSP/ NGS	YES		illumina, HLA Twin, Olerup, Omixon	
133	14-Mar		SBT								YES		Immucor, GenDx	Fluorescence
141														
142	10-Mar	SSP	SSP/ SBT	SSP	SSP	SSP	SSP	SSP	SSP	SSP	YES		Linkage, Protrans	Fluorescence
147														
156														
159														
164														
178														
181														
194	14-Mar	LUM	LUM/ SSP	LUM	LUM	LUM	LUM						One Lambda, Olerup	
195														
220	17-Mar	SSOP	SSOP/ NGS	SSOP/ SSP	SSOP/ SBT									Gel
229														
230														
238	16-Mar	NGS	NGS	NGS	NGS	NGS	NGS	NGS	NGS				illumina. Omixon	
252														
259														
260	09-Mar	LUM	LUM	LUM	LUM		LUM	LUM			YES		Immucor	Fluorescence
262														
267	01-Mar	LUM	LUM/ SBT	LUM	LUM				LUM		YES		Immucor, Protrans	Fluorescence
284	09-Mar	LUM	LUM/ SBT	LUM	LUM		LUM	LUM			YES		One Lambda (INGEN), Protrans	Fluorescence
292	14-Mar	LUM	LUM	LUM	LUM	LUM	LUM	LUM					One Lambda	
315	08-Mar	SSP	SSP	SSP	SSP	SSP			SSP	SSP			Innotrain	Fluorescence

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CLASS I DNA TYPING RESULTS

DESPATCHED ON 21st February 2017

SAMPLE ED02/2017

Lab No.	HLA-A*02	A*03	B*35:01	B*44:32	C*04	C*04
9			35:01/57	44:32		
12	02:01	03:01	35:01	44:32	04:01	
14	02	03	35	44	04	
15	02	03	35:01/35:42:35:57	44:32	04	
19	02	03	35:01	44:32	04	-
20	02	03	35:01	44:32		
23	02	03	35	44	04	
24	02	03	35:01/57	44:32	04	
26	02	03	35:01	44:32	04	04
28	NT	NT	35:01/07-308	44:03/13-237N	NT	NT
29	NT	NT	35:01/42/57	44:32	NT	NT
38	02	03	35:01/57	44:32	04	
39	02	03	35:01/57	44:32	04	
41	02:01	03:01	35:01	44:32	04:01	04:01
42	02	03	35	44:32/69/232	04	
45	NT	NT	35:01/42	44:32	NT	NT
48	02	03	35	44:32	04	
54	02	03	35:01/42	44:32	04	ND
58	02	03	35	44	04	
62	02:01:01:01	03:01:01:01	35:01:01:02	44:32	04:01:01:01	
78	02	03	35	44	NT	NT
112						
113	02:01:01	03:01:01	35:01:01	44:32	04:01:01	
128	02	03	35	44	04	
130	02	03	35:01	44:32	04	
132	02:01:01	03:01:01:01	35:01:01	44:32	04:01:01:01	04:01:01:01
133	02	03	35:01/35:57	44:32	04	
141						
142	02	03	35:01	44:32	04	
147	02	03	35:01:01G	44:32	04	
156						
159	02:01	03:01	35:01	44:32	04:01	
164						
178	02	03	35:01	44:32	NT	NT
181	NT	NT	NT	NT	NT	NT
194	02	03	35	44:32	04	04
195						
220	02	03	35:01:01:02	44:32	04	
229						
230						
238	02:01:01	03:01:01	35:01:01	44:32	04:01:01	04:01:01
252						
259						
260	02	03	35	44	04	
262	02:01	03:01	35:01	44:32	04:01	
267	02	03	35:01	44:32	04	04
284	02	03	35:01:01G	44:32	04	
292	02	03	35	44	04	
315	02	03	35	44	04	

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UK NEQAS for H+I is provided from the Welsh Blood Service, a division of Velindre NHS Trust

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Effective Date 15/03/16

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CLASS II DNA TYPING RESULTS

DESPATCHED ON 21st February 2017

SAMPLE ED02/2017

Lab No.	HLA-DRB1*01	DRB1*07	DRB4*01	DQA1*01	DQA1*02	DQB1*02	DQB1*05	04:02	DPB1*11:01	Comments
9										
12	01:01	07:01	01:01			02:02	05:01	04:02	11:01	
14	01:01/07:11	07	01			02	05	04:02	11	
15	01	07	01			02	05	NT	NT	
19	01	07	NT	NT	NT	02	05	NT	NT	
20	01	07				02	05			
23	01	07	01	01	02	02	05			
24	01	07	01			02	05			
26	01	07	NT			02	05	NT	NT	
28	NT	NT	NT			NT	NT	NT	NT	
29	NT	NT	NT			NT	NT	NT	NT	
38	01	07	01			02	05			
39	01	07	01			02	05	NT	NT	
41	01:01	07:01	NT			02:02	05:01	NT	NT	
42	01	07	NT			02	05	NT	NT	
45	NT	NT	NT	NT	NT	NT	NT	NT	NT	
48	01	07	01			02	05			
54	01	07	01			02	05	NT	NT	
58	01	07	NT			02	05	NT	NT	
62	01:01:01	07:01:01	*01:01/03/03N/06/09/11/17/21-23/26/27/36/02:01N/03:01N			02:02:01:01	05:01:01:03	04:02:01:02	11:01:01	
78	01	07	NT			02	05	NT	NT	
112										
113	01:01:01	07:01:01	01:01:01:01			02:02:01	05:01:01	NT	NT	
128	01	07		01	02	02	05			
130	01	07				02	05			
132	01:01:01	07:01:01		01:01:01	02:01:01:02	02:02:01:01	05:01:01:03	04:02:01:02	11:01:01	
133	01	07		01		02	05			
141										
142	01	07		01	02	02	05	04:02:01:01	11	
147	01	07	01			02	05	04:02	11:01	Allele B*44:32 is identical to the current B*44:03:01 allele except one substitution at position 257 (C vs G) leading to the change of amino acid 62 (Proline vs Arginine). Only HLA-B locus has been studied by mono allelic sequencing.
156										
159	01:01	07:01		01:01	02:01	02:02	05:01			
164										
178	01	07	NT			02	05	NT	NT	
181	NT	NT	NT	NT	NT	NT	NT	NT	NT	
194	01	07		01	02:01	02	05			
195										
220	01:01	07:01	DRB4			02	05			
229										
230										
238	01:01:01	07:01:01	NT	01:01:01	02:01:01	02:02:01	05:01:01	04:02:01	11:01:01	
252										
259										
260	01	07	NT			02	05	NT	NT	
262	01:01	07:01				02:02	05:01	04:02	11:01	
267	01	07				02	05			
284	01	07		01	02	02	05			
292	01	07	01	01	02	02	05			
315	01	07:01	01:01			02	05	04:02	11:01	

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