

UK NEQAS for H&I Educational Scheme

METHODOLOGY

DESPATCHED ON 21st February 2017

SAMPLE ED01/2017

Lab No.	Date	Method used *		HLA-C							Source of Primers and Probes			Kit manufacturer	Detection Method	
		HLA-A	HLA-B	HLA-C	DRB1	DRB3,4,5	DQA1	DQB1	DPB1	Commercial Kits	In-house	Other				
9	17-Mar		LUM/SBT										YES		One Lambda, Secore	
12		NGS	NGS	NGS	NGS	NGS	NGS	NGS	NGS	NGS			YES		illumina	Fluorescence
14		LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM			YES		One Lambda	LUM
15	17-Mar	LUM	LUM/SBT	LUM	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	LUM	LUM			YES		One Lambda	
24		LUM	LUM/SBT	LUM	LUM	LUM	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	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		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		YES		One Lambda	Fluorescence
62	15-Mar	SBT/NGS	SSP/SBT/NGS	SBT/NGS	SBT	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			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	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/SSF	SSOP/SSOP/SSOP/SSOP/SSOP/SSOP/SSOP					SSOP				YES		Gel
229																
230																
238	16-Mar	NGS	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	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	LUM	LUM					One Lambda	
315	08-Mar	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP					Innotrain	Fluorescence

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CLASS I DNA TYPING RESULTS

DESPATCHED ON 21st February 2017

SAMPLE ED01/2017

Lab No.	HLA-A*02	A*32	B*14:02	B*44:32	C*04	C*08
9			14:02	44:32		
12	02:01	32:01	14:02	44:32	04:01	08:02
14	02	32	14:02/09	44	04	08
15	02	32	14:02	44:32	04	08
19	02	32	14:02	44:32	04	08
20	02	32	14:02	44:32		
23	02	32	14	44	04	08
24	02	32	14:02	44:32	04	08
26	02	32	14:02	44:32	04	08
28	NT	NT	14:01/02-51	44:03/13-237N	NT	NT
29	NT	NT	14:02	44:32	NT	NT
38	02	32	14:02	44:32	04	08
39	02	32	14:02	44:32	04	08
41	02:01	32:01	14:02	44:32	04:01	08:02
42	02	32	14	44:32/69	04	08
45	NT	NT	14:02:01	44:32	NT	NT
48	02	32	14:02	44:32	04	08
54	02	32	14:02:01	44:32	04	08
58	02	32	14	44	04	08
62	02:01:01:01	32:01:01	14:02:01:01	44:32	04:01:01:01	08:02:01:01
78	02	32	14	44	NT	NT
112						
113	02:01:01	32:01:01	14:02:01	44:32	04:01:01	08:02:01
128	02	32	14	44	04	08
130	02	32	14:02:01	44:32	04	08
132	02:01:01	32:01:01	14:02:01:01	44:32	04:01:01:01	08:02:01:01
133	02	32	14:02	44:32	04	08
141						
142	02	32	14:02	44:32	04	08
147	02	32	14:02:01	44:32	04	08
156						
159	02:01	32:01	14:02	44:32	04:01	08:02
164						
178	02	32	14:02	44:32	NT	NT
181	NT	NT	NT	NT	NT	NT
194	02	32	14	44:32	04	08
195						
220	02	32	14:02:01:01	44:32	04	08
229						
230						
238	02:01:01	32:01:01	14:02:01	44:32	04:01:01	08:02:01
252						
259						
260	02	32	14	44	04	08
262	02:01	32:01	14:02	44:32	04:01	08:02
267	02	32	14:02	44:32	04	08
284	02	32	14:02:01	44:32	04	08
292	02	32	14	44	04	08
315	02:01	32:01	14:02	44:03	04	08

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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 ED01/2017

Lab No.	HLA-DRB1*01	DRB1*07	DRB4*01	DQA1*01	DQA1*02	DQB1*02	DQB1*05	DPB1*11	DPB1*13	Comments
9										
12	01:02	07:01	01:01			02:02	05:01	11:01	13:01/107:01	
14	01:02	07	01			02	05	11	13	
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	01:02	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	5			
54	01	07	01			02	05	NT	NT	
58	01	07	NT			02	05	NT	NT	
62	01:02:01	07:01:01	*01:01/03/03N/06/09/11/17/21-23/26/27/36/02:01N/03:01N			02:02:01:01	05:01:01:01	11:01:01	13:01/107:01	
78	01	07	NT			02	05	NT	NT	
112										
113	01:02:01	07:01:01	01:01:01			02:02:01	05:01:01	NT	NT	
128	01:02	07		01	02	02	05			
130	01	07				02	05			
132	01:02:01	07:01:01		01:01:02	02:01:01:01	02:02:01:01	05:01:01:01	11:01:01	13:01:01/107:01	
133	01	07		01		02	05			
141										
142	01	07		01	02	02	05	11	13	
147	01	07	01			02	05			Allele B*44:32 is identical to the current b*44:03:01 allele except 1 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	01:02	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	01:02	07		01	02:01	02	05			
195										
220	01:02	07:01	DRB4			02	05			
229										
230										
238	01:02:01	07:01:01	NT	01:01:02	02:01:01	02:02:01	05:01:01	11:01:01	13:01:01G	
252										
259										
260	01	07	NT			02	05	NT	NT	
262	01:02	07:01				02:02	05:01	11:01	13:01	
267	01	07				02	05			
284	01	07		01	02	02	05			
292	01	07	01	01	02	02	05			
315	01:01	07:01	01:01			02	05	11:01	13:01	

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