

**UK NEQAS for H&I Educational Scheme**

METHODOLOGY

DESPATCHED ON 10TH OCTOBER 2017

SAMPLE ED03/2017

Lab No.	Date Tested	Method used *		Source of Primers and Probes							Kit manufacturer	Detection Method	
		A	B	C	DRB1	DRB3,4,5	DQA1	DQB1	DPB1	Commercial Kits			In-house
9	16-Oct		LUM/GBT								YES	One Lambda, Secore	
12	23-Oct	NGS	NGS	NGS	NGS	NGS	NGS	NGS	NGS	NGS	YES	Illumina	Fluorescence
15	13-Oct	LUM	LUM/GBT	LUM	LUM	LUM	LUM	LUM	LUM	LUM	YES	Immucor	Fluorescence
20	13-Oct	SSP	SSP/GBT								YES		Gel
23	18-Oct	LUM	LUM/GBT	LUM	LUM	LUM	LUM	LUM			YES	One Lambda	
24	17-Oct	LUM	LUM/GBT	LUM	LUM	LUM					YES	Immucor, GenDx	Fluorescence
26	13-Oct	LUM	LUM/GBT	LUM	LUM								
29	13-Oct										YES	One Lambda, Olerup, BAG Health Care	Gel, Fluorescence, Reverse dot-blot assay
38	13-Oct												
39	12-Oct	LUM	LUM/GBT	LUM	LUM	LUM	LUM	LUM			YES	One Lambda, Gendx	Fluorescence
41	20-Oct	NGS	NGS	NGS	NGS						YES	OMIXON HOLO 24	ILLUMINA MISEQ
42	18-Oct	LUM	LUM	LUM	LUM						YES	One Lambda	Fluorescence
48	31-Oct	SSP/GBT	SSP/GBT	SSP/GBT	SSP/GBT	SSP					YES	Life Technologies - ALLSET GOLD, SeeCORE	Gel
54	02-Nov												
58	18-Oct	LUM	LUM	LUM	LUM						YES	One Lambda	Fluorescence
62	11-Oct	GBT/NGS	SSP/GBT/NGS	GBT/NGS	GBT/NGS	GBT					YES	Olerup, Lifetech. PACBio	Gel, Fluorescence
112	19-Oct												
113	18-Oct	LUM/NGS	LUM/NGS	LUM/NGS	LUM/NGS	NGS					YES	One Lambda. GENDX/ILLUMINA	Gel. ILLUMINA MiSEQ
130	19-Oct	GBT	GBT	GBT	GBT							GenDx	
132	31-Oct	SSP/NGS	SSP/NGS	SSP/NGS	SSP/NGS	SSP	SSP/NGS	SSP/NGS	SSP/NGS		YES	Illumina, HLA Twin, Olerup, Omixon	
133	17-Oct		GBT								YES	Immucor, GenDx	Fluorescence
142	18-Oct	SSP	SSP/GBT	SSP	SSP	SSP	SSP	SSP	SSP		YES	Linkage, Protrans	Fluorescence
147	16-Oct												
156	23-Oct												
164	12-Oct												
181	25-Oct												
194	13-Oct	LUM	LUM/SSP	LUM	LUM	LUM	LUM					One Lambda, Olerup	
220	31-Oct	SSOP	SSOP/NGS	SSOP/SSP	SSOP/GBT						YES		Gel
238	23-Oct	NGS	NGS	NGS	NGS	NGS	NGS	NGS	NGS			Illumina. Omixon	
260	21-Oct	LUM	LUM	LUM	LUM						YES	Immucor	Fluorescence
262	16-Oct												
267	25-Oct	LUM	LUM/GBT	LUM	LUM						YES	Immucor, Protrans	Fluorescence
284	26-Oct	LUM	LUM/GBT	LUM	LUM						YES	One Lambda (INGEN), Protrans	Fluorescence
292	18-Oct	LUM	LUM	LUM	LUM	LUM	LUM	LUM				One Lambda	
315	18-Oct	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP			Innotrain	Fluorescence

**UK NEQAS for H&I Educational Scheme**

CLASS I DNA TYPING RESULTS

DESPATCHED ON 10TH OCTOBER 2017

SAMPLE ED03/2017

Lab No.	A*	A*	B*	B*	C*	C*
12	02:01	68:01	40:01	44:02	03:04	07:04
15	02	68	40:01/22N/42	44	03:04/24/32	07
20	02	68	40(60)	44	03(10)	07
23	02	68	40	44	03	07
24	02	68	40:01...	44	03:04...	07
26	02	68	40	44	03	07
29	02	68	40	44	03	07
38	02:01:01	68:01:02	40:01:02	44:02:01	03:04:01	07:04:01
39	02	68	40:01/22N/42/54/55/XX	44	03:04/24/32/35/XX	07
41	02:01:01:01/02L/16/02:614	68:01:02:02/68:164	40:01:02:01/02/04/40:49	44:02:01:03/44:55	03:04:01:01/02	07:04:01:01/03
42	02	68	40	44	03	07
48	02	68	40	44	03	07
54	02	68	40	44	03	07
58	02	68	40	44	03	07
62	02:01:01	68:01:02:02	44:02:01:03	40:01:02	03:04:01:01	07:04:01
112	02	68	40	44	03	07
113	02:01:01	68:01:02	40:01:02	44:02:01	03:04:01	07:04:01
130	02:01:01:01	68:01:02:02	40:01:02	44:02:01:03	03:04:01:01	07:04:01
132	02:01:01:01/02:01:01:02L	68:01:02:02	40:01:02:01/40:01:02:02/40:01:02:04	44:02:01:03	03:04:01:01/03:04:01:02	07:04:01:03
133	02:01:01	68:01:02	40:07	44:02	03:04:01	07:04:01
142	02	68	40	44	03	07
147	NT	NT	NT	NT	NT	NT
156	02	68	40	44	03	07
164	02:01:01	68:01:02	40:01:02	44:02:01	03:04:01	07:04:01
181	02:01:01	68:01:02	40:01:02	44:02:01	03:04:01	07:04:01
194	02	68	40	44	03	07
220	02	68	40	44	03	07
238	02:01P	68:01P	40:01:00	44:02:00	03:04	07:04
260	02	68	40	44	03	07
262	02:01:01	68:01:02:02	40:01:02	44:02:01:03	03:04:01	07:04:01:03
267	02	68	40	44	03	07
284	02:01:01	68:01:02	40:01:02	44:02:01	03:04:01:01	07:04:01:01
292	02	68	40	44	03	07
315	02:01	68:01	40:01	44:02	03:04	07:04

NEQ-129

Issue 1

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

**UK NEQAS for H&I Educational Scheme**

CLASS II DNA TYPING RESULTS  
DESPATCHED ON 10TH OCTOBER 2017  
SAMPLE ED03/2017

Lab No.	DRB1*	DRB1*	DRB3*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Comments
9	04:01/72	11:01/27											
12	04:72	11:01	02:02		03:03	05:05	03:01	-	01:03	-	02:01		
15	04:72	11:01/97	02	01	03	05	03:01/16/19	-				03:01	
20	04:72	11:01/97			03	05	03(7)	03(7)					
23	04	11	02	01	03	05	03						
24	04:72	11:01	02	01	03	05	03:01...						
26	04:72	11:01			03	05	03						
29	04:72	11:01			03	05	03	03					
38	04:72:01	11:01:01	02:02:01	01:03:01	03:03:01	05:05:01	03:01:01		01:03:01		02:01:02	03:01:01	
39	04:72	11:01	02	01	03	05	03:01/10/16/19/XX						
41	04:72:01	11:01:01:01			03:03:01:01	05:05:01	03:01:01:01	03:01:01:03			02:01:02:01/07	03:01:01:01/02/03/05/06	
42	04:72:01	11:01			03	05	03	03					
48	04:72:01	11:01	02/03	01	03	05	03	03					
54	04	11:01	02	01	03	05	03	03					
58	04	11	02	01	03	05	03	03	01		02	03	
62	04:72:01	11:01:01	02:02/12/28/29N/34/42/46/54	01:01/03/03N/06/09/11/17/21/22/23/26/27/36/37/41/49/02:01N/03:01N	03	05	03:01:01				02:01	03:01:01	
112	04	11	+	+	03	05	03						
113	04:72:01	11:01:01			03	05	03:01:01	-					
130	07:72:01	11:01:01	02:02:01	01:03:01			03:01:01:01	03:01:01:03					
132	04:72:01	11:01:01:01			03:03:01:01	05:05:01:01/05:05:01:02/05:05:01:04	03:01:01:01	03:01:01:03			02:01:02:01/02:01:02:07	03:01:01:01/03:01:01:02/03:01:01:03/03:01:01:05/03:01:01:06	
133	04:72	11:01			03	05	03:01:01						
142	04:72	11	02	01	03	05	03	DQB1*03	01	01	02	03	
147	04:72:01	11:01:01/11:01:08/11:01:29/11:97											
156	04:72:01	11:01					03						
164	04:72:01	11:01:01	02:02:01				03:01:01	03:01:01					
181	04:72:01	11:01:01	02:02:01	01:03:01	03:03:01	05:05:01	03:01:01:01	03:01:01:02			02:01:02	03:01:01	
194	04:72	11			03	05	03	03					
220	04:72	11:01/97	02	01	03	05	03						
238	04:72	11:01			03:03	05:05	03:01				02:01	03:01	
260	04	11			03	05	03	-					
262	04:72:01	11:01:01			03:03:01:01	05:05:01	03:01:01	03:01:01			02:01:02	03:01:01	
267	04	11					03	03					
284	04:72:01	11:01:01					03	03					
292	04	11	02	01	03	05	03	03					
315	04:01	11:01			03	05	03:01						