

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLES 4A2 06-10/2015

DISPATCHED ON 30th June 2015

METHODOLOGY SSP = PCR-SSP, SSOP = PCR-SSOP, revSSOP= reverse SSOP, LUM = Luminex

Lab No.	Date received	Date tested	Method used	HLA-A	HLA-B	HLA-C	HLA-DRB1	HLA-DRB3,4,5	HLA-DQA1	HLA-DQB1	HLA-DPA1	HLA-DPB1	Source of Primers and Probes			Kit manufacturer	Detection method	Comments
													Commercial	Own	Other			
9	01-Jul		SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SSP/LUM			SBT/LUM		SBT/LUM	Yes			One Lambda, Invitrogen	Gel, Fluorescence	
11	01-Jul	16-Jul										SSP		Yes			Gel	
12	30-Jun	20-Jul	SBT	SBT	SBT	SBT				SBT			Yes			Life Technologies	Gel	
15	06-Jul	22-Jul	SBT	SBT	SBT		SSP/LUM			SSP/LUM		SSP	Yes	Yes		Immucor, Olerup	Gel, Fluorescence	
19	01-Jul	07-Jul											Yes			Immucor		
20	01-Jul	07-Jul	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP		SSP/ SBT	SSP/ SBT		SSP/ SBT		Yes			Gel	
23	01-Jul	11-Aug	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM				SSP/LUM		SSP/LUM	Yes			Life Technologies, One Lambda	Gel, Fluorescence	
24	03-Jul	09-Jul	SSP/ SBT/ LUM	SSP/ SBT/ LUM	SSP/ SBT/ LUM	SSP/ SBT/ LUM				SSP/ SBT/ LUM		SSP/ SBT/ LUM	Yes			Immucor, Olerup, GenDx	Gel, Fluorescence	
26	01-Jul	06-Jul	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM				SBT/LUM		LUM	Yes	Yes		One Lambda	Fluorescence	
28	01-Jul	08-Jul										SSP/LUM	Yes			Life Technologies, One Lambda		
29	02-Jul	04-Jul	SSP/ SBT	SSP/ SBT	SSP/ SBT	SBT				SBT			Yes			Olerup, Thermofisher	Gel, Fluorescence	
34	02-Jul		SSP/ SBT/ LUM	SSP/ SBT/ LUM	SSP/ SBT/ LUM	SSP/ LUM	SSP		SSP/ LUM	SSP/ LUM	SSP/ LUM	SSP/ LUM	Yes			Olerup, One Lambda, GenDx	Gel, Fluorescence	
35	13-Jul	05-Aug	SSOP/ SBT/ LUM	SSOP/ SBT/ LUM	SSOP/ SBT/ LUM	SSOP/ SBT/ LUM	SSP/ SSOP/ LUM	SSP/ SSOP/ LUM	SSOP/ SBT/ LUM	SSOP/ LUM	SSOP/ SBT/ LUM	SSOP/ SBT/ LUM	Yes			One Lambda	Fluorescence	
38	02-Jul	29-Jul	SBT/LUM	SBT/LUM	SBT/LUM	LUM	LUM		SSP/ LUM	LUM	LUM	SSP/ LUM	Yes			One Lambda	Gel, Fluorescence	
39	02-Jul	14-Jul	SBT	SBT	SBT				LUM	SSP		SSP	Yes			Olerup, Invitrogen, GenDx	Gel, Fluorescence	
41	01-Jul	06-Aug								SSOP/ LUM		SSP	Yes			One Lambda, Invitrogen	Gel, Fluorescence	
42	01-Jul	03-Jul	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM				SBT/LUM		SBT/LUM	Yes			One Lambda, GenDx	Fluorescence	
45	02-Jul	10-Jul	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP/ SBT				SSP/ SBT		SSP/ SBT		Yes			Fluorescence	
48	06-Jul	06-Aug	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	LUM		SSP	SBT/LUM		SBT	Yes			Life Technologies, Alpha Biotech	Gel, Fluorescence	
62	02-Jul	07-Aug	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP/ SBT			SSP/ SBT	SSP/ SBT		SSP/ SBT	Yes			Olerup, Lifetech	Gel, Fluorescence	
101	01-Jul	06-Jul	SBT/LUM	SBT/LUM	SSP/ SBT/ LUM	SBT/LUM	SSP			SSP/ LUM			Yes			Bionobis, Ingen, Protrans	Gel, Fluorescence	
109	01-Jul	14-Jul								SSP/ SSOP/ LUM		SSP	Yes				QIAxcell, Fluorescence	
112	04-Jun	22-Jul	SSP	SSP		SSP	SSP			SSP			Yes				Gel	
113	02-Jul	02-Jul	SSP/ LUM	SSP/ LUM	SSP/ LUM	SSP/ LUM	SSP			SSP/ LUM			Yes			One Lambda, Olerup	Gel, Fluorescence	
115	06-Jul	07-Jul	SSP/ SBT	SSP/ SBT	SSP	SSP/ SBT	SSP			SSP		SSP	Yes			Olerup, GenDx	Gel	
119	01-Jul	06-Jul	SSP/ SBT/ LUM	SSP/ SBT/ LUM	SSP/ SBT	SSP/ SBT/ LUM		SSP/ LUM		SSP/ LUM		SSP	Yes			Olerup, One Lambda, Invitrogen, Abbott	Gel, Fluorescence	
123	01-Jul	03-Aug	SSP	SSP	SSP	SSP	SSP			SSP			Yes			One Lambda	Gel	
126	06-Jul	05-Aug	SSP/ SBT	SSP/ SBT	SSP	SSP/ SBT	SSP		SSP	SSP	SSP	SSP	Yes			Conexio Genomics, Olerup	Gel, Fluorescence	
128	01-Jul	07-Jul	LUM	LUM	LUM	SSP/ LUM				LUM			Yes			One Lambda		
130	01-Jul	06-Jul	SSP/ SBT	SSP/ SBT	SBT	SBT		SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP/ SBT	SBT	Yes			Olerup, GenDx	Gel, Fluorescence	
132	07-Feb	23-Jul	SSP/ SSOP/ NGS	SSP/ SSOP/ NGS	SSP/ NGS	SSP/ SSOP/ NGS				SSP/ SSOP/ NGS		SSP	Yes			Olerup, Immucor, Omixon	Gel, Fluorescence	
133	02-Jul	23-Jul	SBT	SBT	SBT	SBT				SBT			Yes			Olerup, GenDx	Fluorescence	
141	02-Jul	25-Jul	SSP	SSP	SSP	SSP				SSP		SSP	Yes			Olerup	Gel	
142	01-Jul	31-Jul	SBT	SBT	SBT	SBT				SBT			Yes			Protrans	Fluorescence	
145	01-Jul	24-Jul	SSP/ LUM	SSP/ LUM	SSP/ LUM	SSP/ LUM		SSP/ LUM		SSP/ LUM	SSP/ LUM	SSP/ LUM	Yes			One Lambda, Olerup, Invitrogen	Gel	
147	01-Jul	01-Jul	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM				LUM	SBT	LUM	Yes	Yes		One Lambda, Olerup	Gel, Fluorescence	
149	04-Jun	05-Jun	SSP/ SBT	SSP/ SBT/ LUM	SBT/LUM	SSP/ SBT/ LUM	SSP		SSP	SSP/ LUM			Yes			Protrans, Abbott, One Lambda, Uni Tray, Olerup	Gel	
150	06-Jul	13-Jul	LUM/ NGS	LUM/ NGS	LUM/ NGS	LUM/ NGS				LUM/ NGS			Yes			One Lambda, GenDx	Fluorescence	
156	02-Jul	02-Jul	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP/ SBT				SSP		SSP	Yes	Yes		Olerup	Gel, ABI3730	
164	06-Jul	08-Jul	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP/ SBT	SSP			SSP		SSP	Yes			Celera, Olerup	Gel, Fluorescence	
165	02-Jul	09-Aug	SSP/ SSOP	SSP/ SSOP	SSP/ SSOP	SSP/ SSOP	SSP/ SSOP	SSOP		SSP/ SSOP	SSOP	SSP/ SSOP	Yes			One Lambda	Gel, Fluorescence	
178	12-Jul	30-Aug	SSP	SSP	SSP	SSP				SSP		SSP	Yes			Olerup, Invitrogen	Gel	
185	01-Jul	07-Jul	SBT/LUM	SSP/ SBT/ LUM	SSP/ SBT/ LUM	SSP/ SBT/ LUM	SSP/ SBT			SBT/LUM		SBT	Yes			Protrans, Immucor, Olerup	Gel, Fluorescence	
196	03-Jul	10-Aug							SSP	SSP			Yes			Olerup, Dynal Gold, Protrans	Gel	
223	01-Jul	09-Jul							SSP	SSP		SSP	Yes			Invitrogen, Olerup	Gel	
225	06-Jul	14-Jul							SSP	SSP		SSP	Yes			Olerup	Gel	
232	02-Jul	17-Jul					SSP/ LUM			SSP/ LUM			Yes			Olerup, Lifecodes	Gel, Fluorescence	
242	02-Jul	06-Jul	SBT	SBT	SBT	SBT				SBT			Yes				Fluorescence	
245	01-Jul	10-Jul	SBT/ NGS	SBT/ NGS	SBT/ NGS	SBT/ NGS	SSP			SBT			Yes			Olerup, Invitrogen, Protrans, GenDx	Gel, Fluorescence	
248		07-Aug	SSP/ SSOP/ LUM	SSP/ SSOP/ LUM	SSP/ SSOP/ LUM	SSP/ SSOP/ LUM				SSP			Yes			Olerup, Lifecodes	Gel, Fluorescence	
259	02-Jul	30-Jul	SSP	SSP	SSP	SSP				SSP			Yes			Olerup	Gel	
260	01-Jul	03-Aug	SBT	SBT	SBT	SBT				SBT			Yes			GenDx, SBT excellerator	Fluorescence	
267	01-Jul	15-Jul	SBT	SBT	SBT	SBT				SBT			Yes			Protrans	Fluorescence	
268	10-Jul	23-Jul	LUM/ NGS	LUM/ NGS	LUM/ NGS	LUM/ NGS	SSP			LUM/ NGS		SSP/ NGS	Yes			GenDx, One Lambda, Olerup	Gel, Semi conductor	
304	02-Jul	17-Jul	SSP/ LUM	SSP/ LUM	SSP/ LUM	SSP/ LUM				SSP/ LUM			Yes				Gel, Fluorescence	
312	03-Jul	22-Jul	SBT	SBT	SBT	SBT				SBT			Yes				Fluorescence	
328	03-Jul	24-Jul	SBT	SBT	SBT	SBT				SBT			Yes		Yes	illumina, Histogenetics Inc	NGS	
331	01-Jul	06-Jul								SSOP			Yes			BAG Healthcare Histo Spot	Colourimetric reaction	
332	11-Jul	06-Aug	SBT	SBT	SBT	SBT				SBT			Yes			Life Technologies	Fluorescence	

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLE 4A2 06/2011:DISPATCHED ON 30th June 2015

RESULTS

Lab No.	A* res	B* res	C* res	DRB1* res	DRB3/4/5* res	DOA1* res	DQB1* res	DPA1* res	DPB1* res	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DOA1*	DOA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Comment
9	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
11	Yes	Yes	Yes	Yes			Yes			02:01:01L	03:01	27:05/13	40:01	01:02/85	05:01	01:01	01:03			03:01	05:01/18					04:01
12	Yes	Yes	Yes	Yes			Yes			02:01:09/86/7	03:01:03/26/3	27:05/13	40:01/55/141	01:02/11/25/4	05:01/03/7/5	01:01/50/67	01:03			03:01/09/19/2	05:01/18/27/3					04:01
15	Yes	Yes	Yes	Yes			Yes			5/89/97/132/1	7/45/78/112/1	34/140/241/2	18/132/134/1	150/151/179/	0/44/82/83/84	3/93/108				1222/24/29/35	1/32/45/84					04:01
19	Yes	Yes	Yes	Yes	Yes	SSP/II	Yes			52/256/296	82	27/05/02	40:01	01:02/85	05:01	01:01	01:03			03:01:01	05:01:01					04:01:01
20	Yes	Yes	Yes	Yes			Yes			02:01:01:01	03:01:01:01	27:05/02	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01/350:01
23	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
24	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					HLA-A*02:01:01:02L has not been excluded
25	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02/85	05:01	01:01/50/67	01:03			03:01	05:01					04:01
28	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05/13	40:01	01:02/85	05:01	01:01	01:03			03:01	05:01					04:01
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01		01:03			04:01
35	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
38	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
39	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01/04/05	05:05/09/11	03:01	05:01					04:01
41	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02/85	05:01	01:01	01:03			03:01	05:01					04:01
42	Yes	Yes	Yes	Yes			Yes			02:01:01L	03:01	27:05	40:01	01:02/85	05:01	01:01	01:03			03:01	05:01					04:01
45	Yes	Yes	Yes	Yes			Yes			02:01:01	03:01:01:01	27:05/13	40:01	01:02/85	05:01:01	01:01:01/01:5	01:03			03:01:01	05:01:01					04:01:01
48	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05/13	40:01	01:02/85	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
52	Yes	Yes	Yes	Yes	Yes		Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01:01	05:01:01					04:01:01
101	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05/13	40:01	01:02/85	05:01	01:01/50/67	01:03			03:01	05:01					In our laboratory null alleles are identified by CDC only (not performed for this scheme)
109	Yes	Yes	Yes	Yes			Yes			NT	NT	NT	NT	NT	NT	NT	NT			03:01	05:01					04:01
112	Yes	Yes	Yes	Yes			Yes			NT	NT	NT	NT	NT	NT	NT	NT			NT	NT					NT
113	Yes	Yes	Yes	Yes	Yes		Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
115	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
118	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
123	Yes	Yes	Yes	Yes	Yes		Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		02:01	03:01	27:05	40:01	12:09	05:01	01:01	01:03	01:01	05:05	03:01	05:01		01:03			04:01
128	Yes	Yes	Yes	Yes			Yes			02	03	27	40	01	05	01:01	01:03			03:01/29/35/4	05:01/18/27/3					04:01
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		02:01:01:01:0	03:01:01:01:0	27:05/02	40:01:02	01:02:01	05:01:01	01:01:01	01:03	01:01:01	05:05:01	03:01:01	05:01:01		01:03:01			04:01:01
132	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
133	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
141	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
142	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					We could not exclude A*02:298 and A*02:327, B*27:13, DRB1*01:50 and DRB1*01:67 alleles
145	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
147	Yes	Yes	Yes	Yes	Yes	Yes	Yes			02:01:01	03:01:01:01	27:05/02	40:01:02	01:02:01/01:0	05:01:01:02	01:01:01/01:5	01:03			03:01	05:01					04:01
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
150	Yes	Yes	Yes	Yes			Yes			02:01:01:01:0	03:01:01:01	27:05/02	40:01:02	01:02:01	05:01:01:02	01:01:01	01:03			03:01:01:02/0	05:01:01:02					04:01
156	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01:01	01:03			03:01	05:01					We report rare alleles when in combination with common alleles, not when rare alleles occur in combination together. Eg. B*27:128, B*40:235 or C*01:64, C*05:98
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01/04/05	05:05/09/11	03:01	05:01		01:03			04:01
165	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01/12/18					04:01
178	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes			02:01	03:01	27:05	40:01	01:02/85	05:01	01:01/50/67	01:03			03:01	05:01					04:01/128/01/350/1415/0
196	Yes	Yes	Yes	Yes			Yes									01:01	01:03	01:01	05:05	03:01	05:01					1
223	Yes	Yes	Yes	Yes			Yes									01:01	01:03	01:01	05:05	03:01	05:01					04:01
225	Yes	Yes	Yes	Yes			Yes									01:01	01:03			03:01	05:01					04:01
232	Yes	Yes	Yes	Yes			Yes									01:01	01:03			03:01	05:01					04:01
242	Yes	Yes	Yes	Yes	Yes		Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
245	Yes	Yes	Yes	Yes	Yes		Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
248	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
259	Yes	Yes	Yes	Yes			Yes			02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
260	Yes	Yes	Yes	Yes			Yes			02:01:01	03:01:01	27:05/01	40:01:01	01:02												

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLE 4A2 07/2011/DISPACHED ON 30th June 2015

RESULTS

Lab No.	A* res	B* res	C* res	DRB1* res	DRB3/4/5* res	DQA1* res	DQB1* res	DPA1* res	DPB1* res	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB3*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Comment
9	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03N			03:03	05:03			04:01		
11	Yes	Yes	Yes	Yes			Yes		Yes																		04:01	
12	Yes	Yes	Yes	Yes			Yes		Yes	02:01/01L	03:01	07:02/61		07:02/50/349		07:01	14:54					03:03	05:03			04:01		
15	Yes	Yes	Yes	Yes			Yes		Yes	02:01/09/66/7	03:01/20/26/3	07:02/44/58/59/		07:02/50/66/7		07:01/34	14:01/54					03:03/31/33/3	05:03/08/10/4			04:01		
19	Yes	Yes	Yes	Yes	Yes	SSPLU	Yes		Yes	02:01	03:01	07:02/01		07:02/01		07:01/01	14:54/01	02:02/28/29N	01:03/01:02N			03:03/02	05:03/01			04:01/01	04:01/01	
20	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02/61/161N		07:02		07:01/34	14:01/54	+	+	01:04/05	02:01	03:03	05:03			04:01/350/01		
23	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54					03:03	05:03			04:01		
24	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54					03:03	05:03			04:01		
25	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02		07:01/34	14:54					03:03	05:03			04:01		
28	Yes	Yes	Yes	Yes			Yes		Yes																	04:01		
29	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02/50/349		07:01	14:54					03:03	05:03			04:01		
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03N	01:04	02:01	03:03	05:03	01:03		04:01		
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03/01:02N	01:04	02:01	03:03	05:03	01:03		04:01		
38	Yes	Yes	Yes	Yes			Yes	Yes	Yes	02:01	03:01	07:02		07:02		07:01	14:54			01:04	02:01	03:03	05:03	01:03		04:01		
39	Yes	Yes	Yes	Yes			Yes	Yes	Yes	02:01	03:01	07:02		07:02		07:01	14:54			01:01/04/05/1	02:01	03:03	05:03			04:01		
41	Yes	Yes	Yes	Yes			Yes		Yes													03:03	05:03			04:01		
42	Yes	Yes	Yes	Yes			Yes		Yes	02:01/01L	03:01	07:02		07:02/50/349		07:01	14:54					03:03	05:03			04:01		
45	Yes	Yes	Yes	Yes			Yes		Yes	02:01/01	03:01/01:01	07:02/01		07:02/01		07:01/01	14:54					03:03/02	05:03/01			04:01/01		
48	Yes	Yes	Yes	Yes			Yes		Yes	02:01/20	03:01/157	07:02		07:02/50/349		07:01	14:54	02	01:03/01:02N	01:04	02:01	03:03	05:03			04:01		
62	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	07:02		07:02		07:01/01	14:54/01	02:02	01:03/01:02N			03:03/02	05:03/01			04:01/01		
101	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02/61/161N		07:02/50/349		07:01/34	14:54	02:02				03:03	05:03			04:01		
109	Yes	Yes	Yes	Yes			Yes		Yes													03:03	05:03			04:01		
112	Yes	Yes	Yes	Yes			Yes		Yes	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Inability to get enough DNA
113	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03N			03:03	05:03			04:01		
115	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03N			03:03	05:03			04:01		
119	Yes	Yes	Yes	Yes		Yes	Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54			01:04	02:01	03:03	05:03			04:01		
123	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:01/01G/14	02:02	01:03N			03:03	05:03			04:01		
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03/01:02N	01:04	02:01	03:03	05:03	01:03		04:01		
128	Yes	Yes	Yes	Yes			Yes		Yes	02	03	07		07		07:01	14:01/54					03:03/31/33/3	05:03/08/10/4			04:01		
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01/01:01/0	03:01/01:01/0	07:02/01		07:02/01:01-3:01:01:03		07:01/01	14:54/01	02:02/01	01:03/01:02N	01:04/01	02:01	03:03/02	05:03/01	01:03/01		04:01/01		
132	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54					03:03	05:03			04:01		
133	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54					03:03	05:03			04:01		
141	Yes	Yes	Yes	Yes		Yes	Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54			01:04	02:01	03:03	05:03			04:01		
142	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02	07:02			07:01	14:01					03:03	05:03			04:01		We could not exclude B*07:16 and B*07:61, DRB1*07:34 and DRB1*14:54 allele
145	Yes	Yes	Yes	Yes		Yes	Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54			01:04	02:01	03:03	05:03			04:01		
147	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01/01	03:01/01:01	07:02/01/07:02:45/07:61		07:02/01:03		07:01/01/07:0	14:54/01	02:02	01:03/01:02N			03:03	05:03			04:01		
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03	01:04	02:01	03:03	05:03			04:01		
150	Yes	Yes	Yes	Yes			Yes		Yes	02:01/01:01/0	03:01/01:01	07:02/01		07:02/01:03		07:01/01/01/0	14:54/01					03:03/02:01/0	05:03/01:01			04:01		
156	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02/01		07:01/01	14:54/01	02:02	01:03/01:02N			03:03	05:03			04:01		
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54	02:02	01:03/01:02N	01:01/04/05/1	02:01	03:03	05:03	01:03		04:01		
165	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01/09	03:01	07:02		07:01/02		07:01	14:54	02:02	01:03N			03:03	05:03/08/10	01:03		04:01		
178	Yes	Yes	Yes	Yes		Yes	Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54			01:04	02:01	03:03	05:03			04:01		
185	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	07:02/61		07:02/50/349		07:01/34	14:54/01	02:02/28	01:03/01:02N			03:03	05:03			04:01/126/01/350/01/415/0		
196	Yes	Yes	Yes	Yes		Yes	Yes		Yes							07:01	14:54			01:04	02:01	03:03	05:03			04:01		
223	Yes	Yes	Yes	Yes		Yes	Yes		Yes							07:01	14:54			01:04	02:01	03:03	05:03			04:01		
225	Yes	Yes	Yes	Yes			Yes		Yes							07:01	14:54					03:03	05:03			04:01		
232	Yes	Yes	Yes	Yes			Yes		Yes							07:01	14:54					03:03	05:03			04:01		
242	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02		07:02		07:01	14:54					03:03	05:03			04:01		
245	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	07:02	07:02	07:02		07:01	14:54	02:02	01:03/01:02N			03:03	05:03			04:01	04:01	
248	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	07:02	07:02															

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLE 4A2 08/201 DISPATCHED ON 30th June 2015

RESULTS

Lab No.	A* res	B* res	C* res	DRB1* res	DRB3/4/5* res	DQA1* res	DQB1* res	DPA1* res	DPB1* res	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB3*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Comment	
9	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01			02:01	02:02			02:01	03:01		
11	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01/06/18/3/43/419	08:02	03:01	07:01					02:01	02:02			02:01	03:01	Ambiguous combination B*08:94 and B*14:28	
12	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01/06/18/5/81/103/107/109/132/141/142/155	08:02/75/110	03:01	07:01					02:01	02:02			02:01	03:01		
15	Yes	Yes	Yes	Yes			Yes		Yes	01:01/32/37/4/5/81/103/107/109/132/141/142/155	32:01/53/54/6/1/68/74	08:01/109	14:01	07:01/06/18/5/2/153/166/33/7/343/419	08:02/75/110	03:01	07:01					02:01	02:02			02:01	03:01		
19	Yes	Yes	Yes	Yes	Yes	SSPLU M	Yes		Yes	01:01:01:01	32:01:01	08:01	14:01:01	07:01:01	08:02:01	03:01	07:01:01	01:01	01:01:01:01/1:03:01:01:01/03:01:03:01:01/03:02:01:06			02:01:01	02:02:01			02:01:02	03:01:01		
20	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01/34	+	+	02:01	05:01	02:01	02:02			02:01/141:01/352:01	03:01/104:01/124:01		
23	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
24	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
26	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01/34					02:01	02:02			02:01	03:01		
28	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01/06/18/3/43	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
29	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01/06/18/3/43	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02	01:03	02:01	03:01			
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02	01:03	02:01	03:01			
36	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01			02:01	05:01	02:01	02:02	01:03	02:01	03:01			
38	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01			02:01	05:01	02:01	02:02			02:01	03:01		
41	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
42	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01/06/18/3/43/419	08:02	03:01	07:01					02:01	02:02			02:01	03:01/104:01	DPB1 locus ambiguity DPB1*124:01, 414:01	
45	Yes	Yes	Yes	Yes			Yes		Yes	01:01:01:01	32:01:01	08:01	14:01:01	07:01	08:02:01	03:01	07:01:01					02:01:01	02:02			02:01:02/141:01	03:01:01/104:01/124:01		
48	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01/94	14:01/28	07:01/06/18/3/43/419	08:02	03:01	07:01	01	01	02:01	05:01	02:01	02:02			02:01	03:01		
62	Yes	Yes	Yes	Yes	Yes		Yes		Yes	01:01:01:01	32:01:01	08:01	14:01	07:01/4/19	08:02:01	03:01	07:01	01:01	01:01			02:01:01	02:02:01			02:01	03:01		
101	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01/06/18/3/43/419	08:02	03:01	07:01/34					02:01	02:02			02:01	03:01		
109	Yes	Yes	Yes	Yes			Yes		Yes	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	inability to get enough DNA
112	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02			02:01	03:01		
113	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02			02:01	03:01		
115	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01			02:01	05:01	02:01	02:02			02:01	03:01		
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
123	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02			02:01	03:01		
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02	01:03	02:01	03:01			
128	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01	32	08	14	07	08	03:01	07:01					02:01	02:02			02:01	03:01		
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01:01:01:01	32:01:01	08:01:01	14:01:01	07:01:01:01/0/7:01:01:02	08:02:01	03:01:01	07:01:1	01:01:02	01:01:01:01	02:01	05:01:01	02:01:01	02:02:01	01:03:01	02:01:02	03:01:01			
132	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
133	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
141	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01			02:01	05:01	02:01	02:02			02:01	03:01		
142	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
145	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01			02:01	05:01	02:01	02:02			02:01	03:01	We could not exclude DRB1*07:34 allele	
147	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01:01:01	32:01:01	08:01:01	14:01:01	07:01:01:01/08:02:01:02	03:01:01:03:0/1:08/1:18/07:34	07:01:01/07:0/1:08/1:18/07:34	01:01	01:01			02:01	05:01	02:01	02:02			02:01	03:01	
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02			02:01	03:01		
150	Yes	Yes	Yes	Yes			Yes		Yes	01:01:01:01	32:01:01	08:01:01	14:01:01	07:01:01:01/08:02:01:02	03:01:01:01/0/7:01:01:01/0/2	07:01:01:01/0/2					02:01:01	02:02:01			02:01:01	03:01:01			
156	Yes	Yes	Yes	Yes			Yes		Yes	01:01:01:01	32:01:01	08:01	14:01:01	07:01:01	08:02:01	03:01:01	07:01:01					02:01	02:02			02:01	03:01		
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01	02:01	05:01	02:01	02:02			02:01	03:01		
165	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01:01	32:01	08:01	14:01	07:01/06	08:02	03:01	07:01	01:01/04	01:01	02:01	05:01	02:01/07/27	02:02/12	01:03	02:01	03:01			
178	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01			02:01	05:01	02:01	02:02			02:01	03:01		
185	Yes	Yes	Yes	Yes	Yes		Yes		Yes	01:01	32:01	08:01	14:01	07:01/06/18/3/43/419	08:02	03:01	07:01/34	01:01/16	01:01/03/06			02:01	02:02			02:01/141:01/352:01/414:01	03:01/104:01/124:01/351:01		
196			Yes			Yes	Yes		Yes							03:01	07:01			02:01	05:01	02:01	02:02			02:01	03:01		
223			Yes			Yes	Yes		Yes							03:01	07:01			02:01	05:01	02:01	02:02			02:01	03:01		
225			Yes			Yes	Yes		Yes							03:01	07:01					02:01	02:02			02:01	03:01		
232			Yes			Yes	Yes		Yes							03:01	07:01					02:01	02:02			02:01	03:01		
242	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
245	Yes	Yes	Yes	Yes	Yes		Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01	01:01	01:01			02:01	02:02			02:01	03:01		
248	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
259	Yes	Yes	Yes	Yes			Yes		Yes	01:01	32:01	08:01	14:01	07:01	08:02	03:01	07:01					02:01	02:02			02:01	03:01		
260	Yes	Yes																											

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLE 4A2 09/201 DISPATCHED ON 30th June 2015

RESULTS

Lab No.	A* res	B* res	C* res	DRB1* res	DRB3/4/5* res	DQA1* res	DQB1* res	DPA1* res	DPB1* res	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Comment	
9	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03							04:01	04:02		
11	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02/85	03:03/227	04:01	04:04								04:01	04:02		
12	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02/85	03:03/227	04:01	04:04								04:01	04:02	Ambiguous combinations A*02:20 and A*03:157, A*02:26 and A*03:07, C*01:46 and C*03:18, C*01:51 and C*03:04, C*01:65 and C*03:151, DPB1*105:01 and DPB1*126:01	
15	Yes	Yes	Yes	Yes			Yes		Yes	02:01/09/66/7	03:01/20/26/3	27:01	55:01	01:02/11/25/4	03:03/62/171/2	04:01	04:04									04:01	04:02	
19	Yes	Yes	Yes	Yes	Yes	SSP/PLU M	Yes		Yes	02:66	03:01/01:01	27:01	55:01	01:02/85	03:03/01	04:01/01	04:04/01	01:01/01:01/0				03:02/01			04:01/01/126/01/350:01	04:02/01/105:01		
20	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03/20N/227	04:01/04:08	04:04/04:13	+		03:01					04:01/126:01/350:01	04:02/105:01	Cis-trans ambiguity in DRB1*04:01, 04:04/04:08, 04:13	
23	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02		
24	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02	DPB1*105:01, DPB1*126:01 has not been excluded	
26	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02/85	03:03	04:01	04:04								04:01	04:02		
28	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02/85	03:03	04:01	04:04								04:01	04:02		
29	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02/85	03:03	04:01	04:04								04:01	04:02		
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03		03:01			01:03		04:01	04:02		
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03		03:01			01:03		04:01	04:02		
38	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04						01:03		04:01	04:02	DPB1*105:01, DPB1*126:01 has not been excluded	
39	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04			03:01					04:01	04:02		
41	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04			03:01	03:01-03				04:01	04:02		
42	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02/85	03:03	04:01	04:04								04:01	04:02	DPB1 locus ambiguity DPB1*105:01, 126:01	
45	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01/01:01	27:01	55:01/01	01:02/85	03:03/01	04:01/01	04:04/01								04:01/01/126/01/350:01	04:02/01/105:01		
48	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02/85/85	03:03/151/227	04:01	04:04	01		03:01					04:01	04:02		
62	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:66	03:01/01:01	27:01	55:01/01	01:02	03:03	04:01	04:04	01:03							04:01/126:01	04:02/105:01		
101	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02		
109	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02		
112	Yes	Yes	Yes	Yes			Yes		Yes	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Inability to get enough DNA
113	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03							04:01	04:02		
115	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03							04:01	04:02		
119	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04			03:01					04:01	04:02		
123	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01/01G/02	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03							04:01	04:02		
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03		03:01			01:03		04:01	04:02		
128	Yes	Yes	Yes	Yes			Yes		Yes	02	03	27	55	01	03	04:01	04:04								04:01	04:02		
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:66	03:01/01:01/0	27:01	55:01/01	01:02/01	03:03/01	04:01/01	04:04/01	01:03/01/0/1		03:01/01			01:03/01		04:01/01/126/01/350:01	04:02/01/105:01		
132	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02		
133	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02		
141	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04			03:01					04:01	04:02		
142	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02		
145	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04			03:01					04:01	04:02		
147	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:66	03:01/01:01	27:01	55:01/01	01:02/01/0	03:03/01/03:22	04:01/01	04:04/01	01:03							04:01	04:02	We could not exclude DRB1*04:08 and DRB1*04:13 alleles	
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03		03:01					04:01	04:02		
150	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01/01:01	27:01	55:01/01	01:02/01	03:03/01	04:01/01	04:04/01								04:01/126:01	04:02/105:01		
156	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:01	55:01	01:02	03:03	04:01/01	04:04/01								04:01/126:01	04:02/105:01		
164	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03							04:01	04:02		
165	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	02:01/09	03:01	27:01	55:01/03	01:02	03:03	04:01	04:04	01:03		03:01			01:03		04:01/126:01	04:02/105:01		
178	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04			03:01	03:01-03				04:01	04:02		
185	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:66	03:01	27:01	55:01	01:02/85	03:03	04:01	04:04	01:01/03/06							04:01/126:01/350:01/415:01	04:02/105:01		
196	Yes	Yes	Yes	Yes			Yes		Yes							04:01	04:04			03:01					04:01	04:02		
223	Yes	Yes	Yes	Yes			Yes		Yes							04:01	04:04			03:01					04:01	04:02		
225	Yes	Yes	Yes	Yes			Yes		Yes							04:01	04:04								04:01	04:02		
232	Yes	Yes	Yes	Yes			Yes		Yes							04:01	04:04								04:01	04:02		
242	Yes	Yes	Yes	Yes			Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04								04:01	04:02		
245	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:66	03:01	27:01	55:01	01:02	03:03	04:01	04:04	01:03							04:01	04:02		
248	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01																	

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLE 4A2 10/2011:DISPATCHED ON 30th June 2015

RESULTS

Lab No.	A* res	B* res	C* res	DRB1* res	DRB3/4/5* res	DOA1* res	DQB1* res	DPA1* res	DPB1* res	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB4*	DOA1* 2	DOA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Comment	
9	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03			03:03	05:01			04:01	13:01		
11	Yes	Yes	Yes	Yes			Yes		Yes	24:02/02L	32:01	15:01	44:02/02S	01:02/85	05:01	01:01	09:01/21				03:03	05:01			04:01	13:01		
12	Yes	Yes	Yes	Yes			Yes		Yes	24:02/02L	32:01	15:01	44:02/02S	01:02/85	05:01	01:01	09:01/21				03:03	05:01			04:01	13:01	Ambiguous combination B*15:247 and B*44:27, DPB1*133:01 and DPB1*350:01	
15	Yes	Yes	Yes	Yes			Yes		Yes	24:02/76/79/144/150/153/154/221/249-251	32:01/53/54/61/168/74	15:01/102/104/414/146/201/227/228/247/250	44:02/27/66/181/73/187	01:02/11/25/4/04/82-85	05:01/03/37/5/3/93/108	01:01/50/67	09:01					03:03/31/33/3/94/379/87-89	05:01/18/27/3/1/32/45/84			04:01	13:01	
19	Yes	Yes	Yes	Yes	Yes	SSP/PLU M	Yes		Yes	24:02:01:01	32:01:01	15:01:01:01/4	44:02:01:01/4	01:02:25/44/8	05:01:01	01:01:01	09:01:21	01:01:01:01/0			03:03:02	05:01:01			04:01:01	13:01:01	Can't exclude combinations 04:01, 107:01 or 133:01, 350:01	
20	Yes	Yes	Yes	Yes		Yes	Yes		Yes	24:02	32:01	15:01	44:02/19N	01:02	05:01	01:01/50	09:01:21	+	01:01	03:02	03:03	05:01			04:01/350:01	13:01		
23	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01				03:03	05:01			04:01	13:01		
24	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01				03:03	05:01			04:01	13:01		
26	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02/02S	01:02/85	05:01	01:01/50/67	09:01/21				03:03	05:01			04:01	13:01		
28	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01/21				03:03	05:01			04:01	13:01		
29	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01/21				03:03	05:01			04:01	13:01		
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03	01:01	03:02	03:03	05:01	01:03	02:01	04:01	13:01		
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03	01:01	03:02	03:03	05:01	01:03	02:01	04:01	13:01		
38	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01		01:01	03:02	03:03	05:01	01:03	02:01	04:01	13:01		
39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01		01:01/04/05/1	03:01-03	03:03	05:01			04:01	13:01		
41	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01				03:03	05:01			04:01	13:01		
42	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01/247	44:02/02S/27	01:02/85	05:01	01:01	09:01/21				03:03	05:01			04:01	13:01		
45	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01:01	15:01:01:01	44:02:01:01	01:02/85	05:01:01	01:01:01:01/5	09:01:02				03:03:02	05:01:01			04:01:01	13:01:07/01	DPB1 locus ambiguity DPB1*133:01, 350:01	
48	Yes	Yes	Yes	Yes			Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01/21	01	01:01	03:02	03:03	05:01			04:01	13:01		
62	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01:01	44:02/02S	01:02	05:01:01	01:01:01	09:01	01:03			03:03:02	05:01:01			04:01	13:01		
101	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02/19N	01:02/85	05:01	01:01/50/67	09:01/21				03:03	05:01			04:01	13:01		
109	Yes	Yes	Yes	Yes			Yes		Yes	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Inability to get enough DNA	
113	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03			03:03	05:01			04:01	13:01		
115	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03			03:03	05:01			04:01	13:01		
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01		01:01	03:02	03:03	05:01			04:01	13:01		
123	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03			03:03	05:01			04:01	13:01		
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03	01:01	03:02	03:03	05:01	01:03	02:01	04:01	13:01		
128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24	32	15	44	01	05	01:01/50	09:01/21				03:03/31/33/3/98/7-99/95-98/117	05:01/18/27/3/132/45			04:01	13:01		
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02:01:01/2	32:01:01/32/0	15:01:01:01/1	44:02:01:01/4	01:02:01	05:01:01	01:01:01	09:01:02/09/2	01:03:02	01:01:01	03:02	03:03:02	05:01:01	01:03:01	02:01:01	04:01:01/350:01	13:01:01/133:01		
132	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01				03:03	05:01			04:01	13:01		
133	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01				03:03	05:01			04:01	13:01		
141	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01		01:01	03:02	03:03	05:01			04:01	13:01		
142	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01				03:03	05:01			04:01	13:01		
145	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01		01:01	03:02	03:03	05:01			04:01	13:01		
147	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02:01:01/2	32:01:01	15:01:01:01	44:02:01:01/4	01:02:01/01/0	05:01:01:02	01:01:01:01/5	09:01:21	01:03			03:03	05:01			04:01	13:01		
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03	01:01	03:02	03:03	05:01			04:01	13:01		
150	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02:01:01	32:01:01	15:01:01:01	44:02:01:01/4	01:02:01/01/0	05:01:01:02	01:01:01:01/5	09:01:21	01:03			03:03:02/02/0	05:01:01:02			04:01	13:01		
156	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01/320/321Q	44:02/187	01:02	05:01	01:01	09:01				03:03	05:01			04:01	13:01	We report rare alleles when in combination with common alleles, not when rare allele occur in combination together. Eg. C*01:64, C*05:98	
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03			03:03	05:01			04:01	13:01		
165	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03			03:03	05:01/12/18	01:03	02:01	04:01	13:01		
178	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02	05:01	01:01	09:01	01:03	01:01/05/12	03:01-03	03:03	05:01	01:03	02:01	04:01	13:01		
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24:02	32:01	15:01	44:02	01:02/85	05:01	01:01/50/67	09:01/21	01:01/03/06			03:03	05:01			04:01/126:01/350:01/415:01	13:01/07:01/133:01		
196	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							01:01	09:01			01:01	03:02	03:03	05:01			04:01	13:01	
223	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							01:01	09:01			01:01	03:02	03:03	05:01			04:01	13:01	
225	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							01:01	09:01			01:01								

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLE 4A2 06/2015 DISPATCHED ON 30th June 2015

ASSESSMENT

A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*
02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01	01:03	blank	04:01	04:01/Blank
02:09/66/75/89/97/132/134/140	03:20/26/37/45	27:13	40:55	01:25	05:03	01:11/12/09			05:09	03:09/19/21/22/24	03:13				Acceptable Unacceptable

Result Summary

Number Acceptable 49
Number Unacceptable 0
SSP/LUM Number NT 1

Lab	A*	B*	C*	DRB1*	DRB3/4/5*	DQA1*	DQB1*	DPA1*	DPB1*	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	
9	Yes	Yes	Yes	Yes	16	15	54	4	37	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
11	Yes	Yes	Yes	Yes			Yes		Yes																	04:01
12	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05/13	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
15	Yes	Yes	Yes	Yes			Yes		Yes	02:01/09/66/75/89/97/132/134/140	03:01/20/26/37/45	27:05/13	40:01/55	01:02/11/25	05:01/03	01:01	01:03			03:01/09/19/21/22/24	05:01					04:01
19	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
20	Yes	Yes	Yes	Yes		Yes	Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
23	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
24	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
26	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
28	Yes	Yes	Yes	Yes			Yes		Yes																	04:01
29	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05/13	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01	01:03				04:01
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
38	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
39	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01/04/05	05:05/09	03:01	05:01					04:01
41	Yes	Yes	Yes	Yes			Yes		Yes											03:01	05:01					04:01
42	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
45	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05/13	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
48	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05/13	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
62	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
101	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05/13	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
109	Yes	Yes	Yes	Yes			Yes		Yes	NT	NT	NT	NT	NT	NT	NT	NT			03:01	05:01					04:01
112	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
113	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
123	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:05	40:01	12:09	05:01	01:01	01:03	01:01	05:05	03:01	05:01	01:03				04:01
128	Yes	Yes	Yes	Yes			Yes		Yes											03:01	05:01					04:01
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01	01:03				04:01
132	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
133	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
141	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
142	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
145	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
147	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
150	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
156	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
165	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01/04/05	05:05/09	03:01	05:01	01:03				04:01
178	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03	01:01	05:05	03:01	05:01					04:01
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
196	Yes	Yes	Yes	Yes			Yes		Yes											03:01	05:01					04:01
223	Yes	Yes	Yes	Yes			Yes		Yes											03:01	05:01					04:01
225	Yes	Yes	Yes	Yes			Yes		Yes											03:01	05:01					04:01
232	Yes	Yes	Yes	Yes			Yes		Yes											03:01	05:01					04:01
242	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
245	Yes	Yes	Yes	Yes	Yes		Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
248	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
259	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01	27:05	40:01	01:02	05:01	01:01	01:03			03:01	05:01					04:01
260	Yes	Yes	Yes	Yes			Yes		Yes	02:01	03:01															

UK NEQAS for H&I Scheme 4A2 - HLA Typing at 2nd Field Resolution

SAMPLE 4A2 10/2015 DISPATCHED ON 30th June 2015

ASSESSMENT

Lab	A*		B*		C*		DRB1*		DRB3/4/5*		DQA1*		DQB1*		DPA1*		DPB1*		Acceptable Unacceptable
	49	47	49	47	49	47	49	47	16	15	54	4	37	4	4	37	37		
9	Yes	Yes	Yes	Yes															
11	Yes	Yes	Yes	Yes															
12	Yes	Yes	Yes	Yes															
15	Yes	Yes	Yes	Yes															
19	Yes	Yes	Yes	Yes	Yes														
20	Yes	Yes	Yes	Yes															
23	Yes	Yes	Yes	Yes															
24	Yes	Yes	Yes	Yes															
26	Yes	Yes	Yes	Yes															
28	Yes	Yes	Yes	Yes															
29	Yes	Yes	Yes	Yes	Yes														
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
38	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
41	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
42	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
48	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
62	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
101	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
109	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
112	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
113	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
115	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
123	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
132	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
133	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
141	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
142	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
145	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
147	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
150	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
156	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
165	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
178	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
196	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
223	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
225	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
232	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
242	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
245	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
248	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
259	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
260	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
267	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
268	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
304	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
312	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
328	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
331	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
332	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes