

UK NEQAS for H&I Scheme 4A1 - HLA Typing at 1st Field Resolution

SAMPLES 4A1 01-05/2017

DISPATCHED ON 24TH JANUARY 2017

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

Lab No.	Date received	Date tested	HLA-A	HLA-B	HLA-C	Method used					Source of Primers and Probes			Kit manufacturer	Detection method	Comments
						DRB1	DRB3,4,5	DQA1	DQB1	DPA1	Commercial	Own Design	Other			
6	25-Jan	25-Jan	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP				One Lambda	Fluorescence	
9	25-Jan	30-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes	Yes		One Lambda	Fluorescence	
11	25-Jan	31-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes		LinkSeq	Fluorescence	
12	25-Jan	01-Feb	RT-PCR	RT-PCR	RT-PCR	RT-PCR	RT-PCR	RT-PCR	RT-PCR	RT-PCR	Yes			Innovatrain, One Lambda	Fluorescence	
14	25-Jan	03-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Immucor	Fluorescence	
15	26-Jan	31-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes	Yes		Immucor	Fluorescence	
19	26-Jan	01-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes	Yes		Immucor	Fluorescence	No DRB4*01:03:01:02 null alleles resolved.
20	24-Jan	06-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Immucor	Fluorescence	
23	25-Jan	01-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes	Yes		One Lambda	Fluorescence	
24	25-Jan	30-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	Yes	Yes		Innovatrain, Olerup, Immucor	Fluorescence	
25	25-Jan	27-Jan	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			One Lambda	Fluorescence	
26	25-Jan	02-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			One Lambda	Fluorescence	
28	25-Jan	31-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	SSP	SSP	SSP	Yes			One Lambda	Fluorescence	
29	25-Jan	26-Jan	SSOP	SSOP	SSP	SSOP	SSP	SSP	SSP	SSP	Yes			BAG, Olerup	Fluorescence	
34	25-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Innovatrain, One Lambda	Fluorescence	
35	25-Jan	06-Feb	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSOP/LUM	SSP/SSOP/LUM	SSOP/LUM	Yes			One Lambda, Invitrogen	Fluorescence	
38	25-Jan	26-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	Yes			BAG, One Lambda	Fluorescence	
39	26-Jan	01-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Invitrogen, Innobrain	Fluorescence	
41	25-Jan	30-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
42	25-Jan	31-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			BAG, One Lambda, Linkage	Fluorescence	
45	30-Jan	13-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes		Immucor	Fluorescence	
46	26-Jan	27-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes	Yes		Invitrogen	Fluorescence	
51	01-Jan	09-Mar	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	Yes			One Lambda, Immucor	Fluorescence	
54	25-Jan	01-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	LUM	Yes			One Lambda	Fluorescence	
58	25-Jan	01-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Secore, One Lambda, Olerup	Fluorescence	
62	26-Jan	07-Feb	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	Yes			Rose, Olerup	Fluorescence	
76	25-Jan	26-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Immucor	Fluorescence	
80	27-Jan	06-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			LifeCodes	Fluorescence	
100	25-Jan	31-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
101	25-Jan	30-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Bionobis, Olerup	Fluorescence	
108	27-Jan	30-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
112	26-Jan	04-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			CS1	Fluorescence	
113	25-Jan	26-Jan	SSP/PCR	SSP/PCR	SSP/PCR	SSP/PCR	SSP/PCR	SSP/PCR	SSP/PCR	SSP/PCR	Yes			Olerup, One Lambda	Fluorescence	
116	26-Jan	30-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			One Lambda	Fluorescence	
123	26-Jan	30-Jan	QTYPE, RO-PCR	QTYPE, RO-PCR	QTYPE, RO-PCR	QTYPE, RO-PCR	QTYPE, RO-PCR	QTYPE, RO-PCR	QTYPE, RO-PCR	QTYPE, RO-PCR	Yes			Olerup	Fluorescence	
126	30-Jan	03-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
127	30-Jan	03-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
128	30-Jan	02-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Linkage Biosciences	Fluorescence	
130	25-Jan	29-Jan	QPCR	QPCR	QPCR	QPCR	QPCR	QPCR	QPCR	QPCR	Yes			Olerup	Fluorescence	
132	25-Jan	06-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup, Immucor	Fluorescence	
133	27-Jan	01-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Olerup	Fluorescence	
141	28-Jan	06-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			One Lambda, Ingen	Fluorescence	
142	25-Jan	31-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
146	26-Jan	27-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Immucor	Fluorescence	
156	24-Jan	07-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Olerup	Fluorescence	
158	25-Jan	01-Feb	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			Olerup, One Lambda	Fluorescence	
159	26-Jan	27-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Olerup	Fluorescence	
164	26-Jan	04-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
172	26-Jan	03-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
185	25-Jan	31-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
186	27-Jan	01-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Fluovista	Fluorescence	
190	25-Jan	31-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Fluovista	Fluorescence	
195	27-Jan	30-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Fluovista	Fluorescence	
197	27-Jan	30-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
205	26-Jan	06-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
207	27-Jan	31-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Innovatrain, Protans	Fluorescence	
211	27-Jan	06-Feb	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM	Yes			One Lambda	Fluorescence	
212	31-Jan	03-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
213	18-Jan	21-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
214	07-Feb	13-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
215	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
216	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
217	27-Jan	31-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
220	31-Jan	02-Feb	SSP/SSOP/LUM	SSP/SSOP/LUM	SSOP	SSP/SSOP/SBT	SSP	SSP/SSOP/LUM	SSP	SSP	Yes	Yes		BAG, Olerup, One Lambda	Fluorescence	
222	07-Feb	21-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Innovatrain	Fluorescence	
223	26-Jan	30-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
225	30-Jan	06-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
226	26-Jan	30-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
229	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
230	27-Jan	10-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
231	27-Jan	31-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
232	31-Jan	02-Feb	LUM	LUM	LUM	SSP/LUM	SSP	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Olerup, Immucor	Fluorescence	
238	28-Jan	30-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Immucor	Fluorescence	
240	27-Jan	02-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			LifeCodes	Fluorescence	
241	27-Jan	31-Jan	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			One Lambda	Fluorescence	
242	27-Jan	03-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
244	25-Jan	06-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup, Invitrogen	Fluorescence	
245	26-Jan	06-Feb	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	Yes	Yes		Olerup, Invitrogen, BAG	Fluorescence	DRB3*, DRB4* and DRB5* present (+) or absent (blank)
248	26-Jan	10-Feb	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	Yes			Olerup	Fluorescence	
252	31-Jan	07-Feb	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			LifeCodes	Fluorescence	
254	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			LifeCodes	Fluorescence	
258	31-Jan	01-Feb	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			Immucor, LifeCodes	Fluorescence	
259	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	SSOP	Yes			Olerup	Fluorescence	
260	27-Jan	31-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
264	31-Jan	02-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
266	27-Jan	07-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup	Fluorescence	
267	27-Jan	06-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
268	27-Jan	01-Feb	SSP/LUM/HRM	SSP/LUM/HRM	SSP/LUM/HRM	SSP/LUM/HRM	SSP/LUM/HRM	SSP/LUM/HRM	SSP/LUM/HRM	SSP/LUM/HRM	Yes			Olerup, One Lambda, Linkage	Fluorescence	
273	26-Jan	30-Jan	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	Yes			Olerup, One Lambda	Fluorescence	
281	24-Jan	31-Jan	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
292	27-Jan	03-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda, Olerup	Fluorescence	
294	25-Jan	27-Jan	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Olerup, Linkage	Fluorescence	
300	26-Jan	02-Feb	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	Yes			Innovatrain	Fluorescence	The DRB3/4/5 status has been provided only as PRESENT or ABSENT as PCR-SSP has been performed on these samples/Kit used: Inno-Train Ready Gene ABDR Lot no: G954075
301	31-Jan	02-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			Immucor	Fluorescence	
302	27-Jan	03-Feb	LUM	LUM	LUM	LUM	LUM	LUM	LUM	LUM	Yes			One Lambda	Fluorescence	
304	26-Jan</															

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ASSESSMENT

	A* 01	A* 24	B* 08	B* 35	C* 04	C* 07	DRB1* 01	DRB1* 01/Blank 07/13	DRB3* - Presence	DRB4* - Presence	DRB5* - 01	DQA1* 01	DQA1* 01/Blank 03	DQB1* 05 02/03	DQB1* 05 02/06	DPA1* 01	DPA1* 01/Blank
Result Summary	97	96	96	97	89	89	95	95	—	—	—	45	44	91	90	17	17
Number Acceptable 1st Field	—	—	—	—	—	—	—	—	49	49	2	1	2	5	6	1	1
Number Unacceptable	5	6	6	5	5	6	6	6	1	1	1	0	0	1	1	0	0
Number NT	1	1	1	0	1	0	1	1	1	1	0	0	1	1	0	0	0

Acceptable
Unacceptable

No.	A*	B*	C*	DRB1*	DRB3*	DQA1*	DQB1*	DPA1*	A*	B*	C*	DRB1*	DRB1*	DRB3*	DRB4*	DRB5*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*
	103	84	101	50	46	96	16															
6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
12	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
14	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
15	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
19	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
24	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
25	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
28	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
29	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
38	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
41	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
42	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
48	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
51	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
54	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
58	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
62	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
78	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
86	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
101	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
102	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
111	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
112	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
115	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
123	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
127	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
132	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
133	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
134	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
142	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
148	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
155	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
156	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
172	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
189	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
190	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
195	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
197	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
205	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
207	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
211	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
212	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
213	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
214	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
215	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
216	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
217	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
220	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
222	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
223	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
228	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
229	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
230	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	24	08	35	04	07	01	01	01	01	05	05	01	01
231	Yes	Yes	Yes	Yes	Yes																	

4A1 02/2017 DISPATCHED ON 24TH JANUARY 2017 ASSESSMENT

UK NEQAS for H&I Scheme 4A1 - HLA Typing at 1st Field Resolution

A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB3*	DRB4*	DRB5*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	Acceptable
02	11	14	55	03	08	07	15	Blank	01/Presence	01/Presence	01	01/blank	02	06	01	01/blank	Unacceptable
Result Summary																	
Number Acceptable 1st Field	99	97	96	99	90	89	95	96	—	—	45	43	92	91	17	17	
Number Acceptable Presence	—	—	—	—	—	—	—	51	50	49	—	—	—	—	—	—	
Number Unacceptable	4	6	7	4	4	5	6	5	2	1	2	1	3	4	5	1	1
Number NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Lab No.	A*	B*	C*	DRB1*	DRB3/4/5*	DQA1*	DQB1*	DPA1*	A*	B*	C*	DRB1*	DRB3*	DRB4*	DRB5*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	
103	11	14	55	03	08	07	15	Yes	02	11	14	55	03	08	07	15	01	01	02	06	01	01.04
8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
9	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
12	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
14	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
15	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
16	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
24	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
25	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
26	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
28	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
29	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
30	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
31	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
32	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
33	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
38	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
41	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
42	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
43	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
48	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
51	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
54	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
58	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
62	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
78	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
80	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
101	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	Positive	Positive	01	02	02	06
108	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	Yes	Yes	01	02	02	06
112	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	Yes	Yes	01	02	02	06
115	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
123	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
127	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
133	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	yes	yes	01	02	02	06
134	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
141	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
142	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
155	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
156	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
159	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	presence	presence	01	02	02	06
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	presence	presence	01	02	02	06
172	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
188	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
190	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
195	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
197	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
205	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
207	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
211	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
212	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
213	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
214	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
215	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	01	01	01	02	02	06
216	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
217	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
220	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	11	14	55	03	08	07	15	+	+	01	02	02	06
2																						

UK NEQAS for H&I Scheme 4A1 - HLA Typing at 1st Field Resolution

4A1 04/2017 DISPATCHED ON 24TH JANUARY 2017 ASSESSMENT

Result Summary

Number Acceptable 1st Field	98	98	98	98	89	88	97	96	—	45	45	92	93	17	17
Number Acceptable Presence	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
Number Unacceptable	5	5	5	5	5	6	4	5	0	1	1	4	3	1	1
Number NT	1	1	1	1	0	0	1	1	0	0	0	1	1	1	1

Lab No.	A* 103	B* 54	C* 101	DRB1* 46	DRB3/4/5* 96	DQA1* 16	DQB1* 50	DPA1* 16	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	Acceptable/Unacceptable		
									02	02/Blank	44	44	55	55	03	03	05	01	04	01	03	03	05			
									01	24	08	35	04	07/08	01	04	Blank	01/Presence	01	03	03	05	01	01/Blank		
6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
9	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
12	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
14	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
15	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
19	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
24	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
25	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
26	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
28	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
29	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
38	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
41	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
42	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
48	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
51	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
54	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
58	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
62	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
78	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
86	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
101	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	Positive	01	01	03	03	05	05	01	01	
108	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	Yes	01	01	03	03	05	05	01	01	
112	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	Yes	01	01	03	03	05	05	01	01	
115	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03(w5)	05	01	04	+	01	01	03	03	05	05	01	01	
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
123	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
127	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	01	01	01	03	03	05	05	01	01	
132	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	yes	01	01	03	03	05	05	01	01	
133	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
141	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
142	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
149	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
155	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
156	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
159	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	presence	01	01	03	03	05	05	01	01	
172	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
189	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
190	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
195	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
197	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
205	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
207	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
211	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
212	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
213	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
214	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02	44	55	03	05	01	04	+	01	01	03	03	05	05	01	01	
215	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	02	02</																

UK NEQAS for H&I Scheme 4A1 - HLA Typing at 1st Field Resolution

		A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB3*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*										
		01	29	08	44	07	16	03	07	01	01	02	05	02	02	01	01	Acceptable									
		02	11	14	55	08	03	17/15/blank	07	01	01	02	05	02	02	01	01	Unacceptable									
Result Summary																											
Number Acceptable 1st Field		98	98	97	97	88	89	94	97	—	—	45	45	92	91	17	17										
Number Acceptable Presence		—	—	—	—	—	—	—	—	49	50	—	—	—	—	—	—										
Number Unacceptable		5	5	6	6	6	5	7	4	2	1	1	1	4	5	1	1										
Number NT		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Lab No.	A*	B*	C*	DRB1*	DRB3/4/5*	DQA1*	DQB1*	DPA1*	A*	B*	C*	DRB1*	DRB3*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*							
103	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	02	05	02	02	02	01	01		
9	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
11	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
12	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02			01	01	
14	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02			02	01	
15	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02					
18	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02					
20	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02				01	-	
23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
24	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02			02	01	
25	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				01	
26	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
28	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02			02		
32	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
34	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	01
35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	01
38	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	01
39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				01	
41	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
42	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				01	01
43	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02					
45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	
48	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02					
51	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				01	
54	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02					
58	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	01
62	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	01
78	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
80	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	01
102	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				01	01
101	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	Positive	Positive	02	05	02				-	01	-
108	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	Yes	Yes	02	05	02						
112	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	Yes	Yes	02	05	02						
115	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
119	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
123	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
126	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				01	
127	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02					
128	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02				02	01
130	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	01	01	01	02	05	02					
133	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	yes	yes	02	05	02						
133	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
141	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
142	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
149	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
155	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
156	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
159	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
164	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	presence	presence	02	05	02						
172	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	presence	presence	02	05	02						
185	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
188	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	01	29	08	44	07	16	03	07	+	+	02	05	02						
190	Yes	Yes	Yes	Yes	Presence	Yes	Yes	Yes	01	29	08	44	07	16	03</												