

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

SAMPLES 4A2 01-05/2016

DISPATCHED ON 01ST MARCH 2016

METHODOLOGY SSP = PCR-SSP, SSOP = PCR-SSOP, SBT = Sequence Based Typing, LUM = Luminex, NGS = Next Generation Sequencing, TGS = Third Generation Sequencing

Lab No.	Date received	Date tested	Method used								IMGT/HLA allele database release	Source of Primers and Probes			Kit manufacturer	Detection method	Comments
			HLA-A	HLA-B	HLA-C	HLA-DRB1	HLA-DRB3,4,5	HLA-DQA1	HLA-DQB1	HLA-DPA1		HLA-DPB1	Commercial Kits	Own Design			
9	02-Mar	10-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SSP/LUM	LUM	SBT/LUM	SSP/SBT			Yes		SSP - Dynal, SSO - One Lambda, SBT - Invitrogen	Gel, Fluorescence	
11	02-Mar	08-Mar	SBT	SBT	SBT	SBT			SBT	SBT		3.22.0	Yes	Yes	One Lambda Secore sequencing kits	Gel	
12	03-Mar	07-Mar	SBT	SBT	SBT	SBT			SBT	SSP		3.21.0	Yes	Yes	DPB1: Olerup SSP	Gel, Fluorescence	
15	02-Mar	03-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SSP/SBT/LUM		SBT/LUM	SBT/LUM		3.21 / 3.19	Yes	Yes	Luminex - Immucor	Gel, Fluorescence	
19	02-Mar	10-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP	SSP/SBT	SSP/SBT	SSP/SBT		3.22	Yes	Yes	ThermoFisher Secore DRB1 SBT Kit	Gel	
20	04-Mar	16-Mar	SSP/LUM	SSP/LUM	SSP/LUM	LUM	LUM		LUM	LUM		Jul-15	Yes	Yes	One Lambda, AllSet	Gel, Fluorescence	
23	03-Mar	03-Jul	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	SSP/SBT/LUM		SBT/LUM	SBT/LUM		3.21	Yes		Immucor, GenDx	Gel, Fluorescence	
24	07-Mar	07-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SSP/SBT/LUM			SSP/SBT/LUM	LUM		3.19.0.1	Yes	Yes	One Lambda	Fluorescence	
26	02-Mar	08-Mar					SSP/LUM		SSP/LUM	SSP/LUM			Yes		One Lambda	Gel, Fluorescence	
28	02-Mar	07-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT			SSP/SBT	SSP/SBT		3.22.0	Yes		ThermoFisher/Secore/Invitrogen - SBT, Olerup - SSP	Gel, Fluorescence	
29	02-Mar	11-Apr	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM			Yes		Olerup, One Lambda, GenDx	Gel, Fluorescence	
34	02-Mar	03-Mar	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	3.23.0	Yes		One Lambda, Life Technologies/ThermoFisher, Olerup, GenDx	Gel, Fluorescence	
35	02-Mar	03-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM	LUM	SSP/LUM	SBT/LUM	SSP/SBT/LUM		3.21.0.0	Yes		One Lambda LABType RSSO, One Lambda MicroSSP, Conexio SBT Resolver	Gel, Fluorescence	
38	02-Mar	08-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SSOP		LUM	SBT/LUM	SBT		3.21.0 / 3.23.0	Yes		One Lambda, GenDx	Fluorescence	
39	03-Mar	09-Mar					SSOP		SSOP	SSP			Yes		One Lambda	Gel, Fluorescence	
41	03-Mar	12-Apr	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM			SBT/LUM	SBT/LUM		3.21	Yes		One Lambda, GenDx	Fluorescence	
42	03-Mar	21-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT		SSP/SBT	SSP/SBT		3.15.0	Yes	Yes		Gel	
45	02-Mar	08-Apr	SBT/LUM	SSP/SBT/LUM	SBT/LUM	SBT/LUM			SBT/LUM	SSP		3.22 / 3.19	Yes		Life Technologies, Immucor	Gel, Fluorescence	
48	08-Mar									LUM		3.21	Yes		Immucor	Gel, Fluorescence	
51													Yes				
62	04-Mar	12-Apr	SSP/SBT/LUM/TGS	SSP/SBT/LUM/TGS	SSP/SBT/LUM/TGS	SSP/SBT/LUM/TGS	SSP/SBT/LUM	SSP/LUM	SSP/SBT/LUM/TGS	SSP/LUM	SSP/SBT/LUM/TGS	3.23.0 / 3.22.0	Yes	Yes	One Lambda, Olerup, Lifetech	Gel, Fluorescence	
101	02-Mar	23-Mar	SBT/LUM	SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM			SBT/LUM	SSP/LUM			Yes		Protrans for SBT & One Lambda for Luminex	Fluorescence	
109	02-Mar	30-Mar							SSP/SSOP/LUM				Yes		One Lambda SSO, Olerup SSP	QIAxcell	
112	04-Mar	11-Mar	LUM	LUM		SSP	SSP		SSP			3.4.0 April 2011	Yes		One Lambda	Fluorescence	
113	02-Mar	08-Mar	SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM/NGS	SSP		SSP/LUM/NGS			3.21	Yes		One Lambda, Olerup, GenDx	Gel, Fluorescence	
115	02-Mar	07-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP		SSP	SSP			Yes		Olerup - SSP, GenDx - SBT	Gel	
119	04-Mar	10-Mar	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT	SSP/SBT/LUM	SSP/LUM		SSP/LUM	SSP			Yes			Gel, Fluorescence	
123	02-Mar	05-Apr	SSP	SSP	SSP	SSP	SSP		SSP				Yes		One Lambda	Gel, Fluorescence	
126	07-Mar	09-Mar	SSP/SBT	SSP/SBT	SSP	SSP/SBT	SSP		SSP	SSP			Yes		Olerup - SSP, Conexio - SBT	Gel	
128	04-Mar	04-Mar	LUM	LUM	LUM	SSP/LUM			LUM				Yes		One Lambda, Olerup	Gel, Fluorescence	
130	02-Mar	07-Mar	SSP/SBT	SSP/SBT	SBT	SSP/SBT	SBT	SBT	SSP/SBT	SBT	SBT	3.21.0	Yes		SBTcellerator, GenDx, Olerup	Gel, Fluorescence	
132	03-Mar	04-Apr	SSP/NGS	SSP/NGS	SSP/NGS	SSP/NGS	SSP/NGS		SSP/NGS	SSP/NGS		3.21	Yes		Olerup, Holotype (Omixon)	Gel, Illumina Miseq	
133	04-Mar	20-Mar	SBT/LUM	SSP/SBT/LUM	SBT/LUM	SSP/SBT/LUM			SBT/LUM				Yes			Gel, Fluorescence	
141	04-Mar	27-Mar	SSP	SSP	SSP	SSP	SSP		SSP	SSP			Yes		Olerup	Gel	
142	15-Mar	23-Mar	SBT	SBT	SBT	SBT			SBT	SBT		3.21.0	Yes		Protrans	Fluorescence	
145	05-Apr		SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM		SSP/LUM				Yes		Luminex - One Lambda, SSP - Olerup, One Lambda (All set Gold SSP)	Gel	
147	04-Mar	04-Mar	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP		SSP/LUM	SSP/LUM		3.23.0	Yes	Yes	One Lambda - SSO, Olerup - SSP	Gel, Fluorescence	
149	04-Mar	05-Mar	SSP	SSP	SSP	SSP	SSP		SSP	SSP			Yes		Protrans, One Lambda, Uni Tray, Olerup	Gel	
150	08-Mar	09-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM			SBT/LUM			3.23.0	Yes		Kit One Lambda, NGS GenDx	Fluorescence	
156	01-Apr		SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT			SSP			3.21	Yes	Yes	SSP - Olerup, SBT Class I - Own design, SBT DRB - Conexio (Olerup)	Gel, ABI3730	
157	02-Mar	07-Mar	NGS	NGS	NGS	NGS			NGS			3.23.0	Yes		GenDx	Fluorescence	
164	07-Mar	07-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP		SSP	SSP		3.21.0.0	Yes		SBT Celera-Abbott, SSP - Olerup	Gel, Fluorescence	
165	04-Mar	28-Mar	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP		SSP/SSOP	SSP/SSOP			Yes			Gel, Fluorescence	
178	10-Mar	14-Apr	SSP/LUM	SSP/LUM	SSP/LUM	SSP	SSP		SSP	SSP		3.19.0	Yes		Invitrogen/Gold, Genovision/Olerup	Gel	
185	02-Mar	07-Mar	SBT	SSP/SBT	SSP/SBT	SBT	SBT		SBT	SSP/SBT		3.20	Yes		Protrans Domino, Olerup SSP	Gel, Fluorescence	
196	04-Mar	12-Apr					SSP		SSP				Yes		Protrans, Olerup	Gel	
223	02-Mar	16-Mar					SSP		SSP				Yes		Olerup	Gel	
225	08-Mar	15-Mar					SSP		SSP				Yes		Olerup	Gel	
232	16-Mar	04-Jun					SSP/LUM		SSP/LUM				Yes		SSP - Olerup, SSP/Luminex - Tepnel Lifecodes	Gel, Fluorescence	
242	03-Mar	07-Mar	SBT	SBT	SBT	SBT	SBT		SBT				Yes			Fluorescence	
245	02-Mar	17-Mar	SBT/NGS	SBT/NGS	SBT/NGS	SBT/NGS	SSP		SBT	SSP		03-Jan	Yes		SSP - Olerup, SBT - Protrans, NGS - GenDX	Gel, Fluorescence	
248	06-Apr	11-Apr	SSOP/LUM	SSOP/LUM	SSOP/LUM	SSOP/LUM			SSOP/LUM				Yes		Immucor	Gel, Fluorescence	
259	03-Mar	09-Apr	SSP	SSP	SSP	SSP			SSP			5.00.72 / 3.23.0	Yes		Olerup	Gel	
260	03-Mar	04-Mar	SBT	SBT	SBT	SBT			SBT				Yes		GenDx-AlleleSEQR	Gel	
267	02-Mar	30-Mar	SBT	SBT	SBT	SBT			SBT			3.23	Yes		Protrans	Fluorescence	
268	07-Mar	16-Mar	LUM/NGS	LUM/NGS	LUM/NGS	LUM/NGS	SSP		LUM/NGS	SSP/NGS		3.22.0 / 3.21.1 / 3.22.0	Yes		SSP - Olerup, Luminex - One Lambda, NGS - GenDX	Gel, Fluorescence, Ion Torrent	
273	02-Mar	22-Mar	SSP/SSOP/SBT	SSP/SSOP/SBT	SSP/SSOP/SBT	SSOP/SBT	SSP	SSP/SSOP	SSOP/SBT	SSP		3.21	Yes		SBT - Protrans, SSO LABType One Lambda, SSP - Olerup	Gel	
304	03-Mar	03-Mar	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM			SSP/LUM				Yes		Ingen Bionobis	Gel, Fluorescence	
312	03-Mar	16-Mar	SBT	SBT	SBT	SBT			SBT			3.22.0	Yes		Secore Express, Invitrogen	Fluorescence	
328	07-Mar	08-Apr	SBT	SBT	SBT	SBT			SBT			3.23.0	Yes		Illumina, Histogenetics	Fluorescence, NGS	
331	04-Mar	14-Mar							Other				Yes		BAG Healthcare Histospot DQB1/DQA1	Colourimetric reaction	
332	07-Mar	09-Mar	SBT	SBT	SBT	SBT			SBT			3.22.0	Yes		Life Technologies	Fluorescence	

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SAMPLE 4A2 01/2016		DISPATCHED ON 01ST MARCH 2016										RESULTS																		
Lab No.	A* res	B* res	C* res	DRB1* res	DRB3/4/5* res	DQA1* res	DRB5* res	DPA1* res	DPB1* res	A*	A*	B*	B*	C*	C*	C*	DRB1*	DRB1*	DRB5*	DQA1*	DQA1*	DOB1*	DOB1*	DPA1*	DPA1*	DPB1*	DPB1*	Comment		
9	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01	01:01	02:02											
11	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01/117	38:01	58:01	07:01/06/18/343/419/458	12:03/143/167	13:03	16:01													
12	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/07	26:01/24/28	38:01	58:01/11/51	07:01/06/18	12:03/23/109	13:03	16:01													
15	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03/143	13:03	16:01													
19	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01/117	38:01	58:01	07:18	12:03/167	13:03	16:01	01:01	02:02/06			01:02	05:05				04:01/350/014/5/014/58/014/64/01	04:01		
23	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01													
24	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
26	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03/143	13:03	16:01													
28	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01/117	38:01	58:01	07:01/06/18/343/419/458	12:03/143/167	13:03	16:01					01:02	05:05							
29	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05							
34	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01/01	38:01/01	58:01/01	07:18	12:03/01	13:03/01	16:01/01	01:01	02:02			01:02/11	05:05/11							
35	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
38	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
39	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
41	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
42	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01/06/18/343/419	12:03/143	13:03	16:01													
45	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01	38:01/01	58:01/01	07:01/06/18/343/419	12:03/01	13:03/01	16:01/01	01:01/04	02:02/06											
46	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01/117	38:01	58:01	07:01/06/18/343/419/458	12:03/143/167	13:03	16:01													
51	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01/01	38:01/01	58:01/01/01	07:18	12:03/01	13:03/01	16:01/01	01:01	02:02			01:02	05:05							
62	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01/117	38:01	58:01	07:01/06/18/343/419/458	12:03/143/167	13:03	16:01													
101	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01/117	38:01	58:01	07:01/06/18/343/419/458	12:03/143/167	13:03	16:01													
109	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03/01	13:03	16:01													
112	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01/01	38:01/01	58:01/01/01	07:18	12:03/01/01	13:03/01	16:01/01	01:01	02:02											
113	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01/01	38:01/01	58:01/01/01	07:18	12:03/01	13:03/01	16:01/01	01:01	02:02			01:02	05:05							
115	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05							
119	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
123	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02											
126	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05							
128	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25	26	38	58	07	12	13:03	16:01													
130	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01/01	38:01/01	58:01/01	07:18	12:03/01	13:03/01	16:01/01	01:02	02:02			01:02	05:05/01							
132	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
133	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01													
141	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
142	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01/06/18/343/419	12:03/143	13:03	16:01													
145	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
147	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01	38:01/01	58:01/01/01	07:18	12:03/01/12/143/167	13:03/01	16:01/01	01:01	02:02											
149	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05							
150	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01/01	38:01/01	58:01/01/01	07:18	12:03/01/01	13:03/01	16:01/01													
156	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01	38:01/01	58:01/15/52/57/58/66	07:18	12:03/125/143/160	13:03/01	16:01/01													
157	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/01	26:01/01/01	38:01/01	58:01/01/01	07:18	12:03/01/01	13:03/01	16:01/01													
164	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02											
165	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01	01:01/08	02:02/06			01:01/02/08/09/11	05:05/09/11							
178	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01													
185	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01/06/18/343/419	12:03/143	13:03	16:01	01:01/16	02:02/06			01:02	05:05							
196	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01																	

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

Lab No.	A* res	B* res	C* res	DRB1* res	DRB3/4/5* res	DQA1* res	DQB1* res	DPA1* res	DPB1* res	A*	B*	C*	DRB1*	DRB3*	DRB4*	DQA1*	DQB1*	DPA1*	DPB1*	Comment			
9	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:01	04:01		
11	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:01	04:01		
12	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01L	03:01	14:02	44:02/02S	05:01	08:02	07:01				02:02	03:03	Ambiguous combinations A*02:02 & A*03:157, A*02:28 & A*03:01, A*02:195 & A*02:23, B*14:18 & B44:206	
15	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/09/66	03:01/20/26	14:02	44:02/27/66	05:01/03/37	08:02/75/110	07:01/34				02:01/02/04	03:03/1/33	02:01	04:01
19	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01/01	03:01/01/01	14:02	44:02/01/01/44/02/01/03	05:01	08:02	07:01/34				02:02	03:03	DRB4*01 Includes both the 01:03:01:02 null allele and 01:01:01:03:01:01:01:03:02:01:	
20	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01/03N/300Q	14:02	44:02	05:01/07N/51Q/99N	08:02/52N	07:01			02:01	02:02	03:03	02:01/141:01/352:01/414:01/416:01/4	
23	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
24	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01L	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
26	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02/02S	05:01	08:02	07:01/34				02:02	03:03	04:01	
28	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:01	02:02	04:01	
29	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
34	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
35	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02/01	44:02/01	05:01/01	08:02/01	07:01/34				02:02/01	03:03/02	04:01/01	
38	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
39	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
41	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
42	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01L	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
45	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01	03:01/01	14:02/01	44:02/01	05:01/01	08:02/01	07:01/01				02:02/01	03:03/01	04:01/01	
48	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
51	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	cannot exclude DPB1*23:01 and DPB1*91:01 combination	
62	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01/01	03:01/01/01	14:02/01/01	44:02/01/01	05:01/01/02	08:02/01/01	07:01/01				02:02/01	03:03/02/01	04:01/01/01	
101	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02/19N	05:01	08:02	07:01/34				02:02	03:03	Class I null allele are removed by CDC in our local protocol. We can't perform this assay with your samples	
109	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/09	03:01	14:02	44:02/02/27	05:01	08:02	07:01				02:02	03:03		
112	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01/01	03:01/01/01	14:02	44:02/01/01	05:01/01/02	08:02/01/01	07:01/01				02:02/01	03:03/02/01		
115	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
119	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
123	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
126	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
128	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02	03	14	44	05	08	07				02:02	03:03		
130	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01/01/03	03:01/01/01	14:02/01/01	44:02/01/01	05:01/01/01	08:02/01/01	07:01/01/01				02:02/01	03:03/01/96-98/117	04:01/01	
132	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
133	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
141	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
142	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02/19N	05:01	08:02	07:01/34				02:02	03:03	04:01	
145	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01/34				02:02	03:03	04:01	
147	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01	03:01/01	14:02/01	44:02/01	05:01/01/02	08:02/01/01	07:01/01/01/07:01/01/02/07:01/18/07:34				02:02	03:03	04:01	
149	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
150	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01/01	03:01/01/01	14:02/01/01	44:02/01/01	05:01/01/02	08:02/01/01	07:01/01/01/02				02:02/01/01	03:03/02/01		
156	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
157	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01/01	03:01/01/01	14:02/01/01	44:02/01/01	05:01/01/02	08:02/01/01	07:01/01/01/07:01/01/02				02:02/01/01	03:03/02/01		
164	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
165	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01/01/01	03:01	14:02	44:02/02S	05:01	08:02	07:01				02:02/12	03:02/04	04:01/01	
178	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
185	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01/34				02:02	03:03	02:01/141:01/352:01/414:01/416:01 04:01/128:01/350:01/415:01	
196	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03		
223	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
225	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
232	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
242	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
246	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02	07:01				02:02	03:03	04:01	
248	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	02:01	03:01	14:02	44:02	05:01	08:02								

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

SAMPLE 4A2 01/2016

DISPATCHED ON 01ST MARCH 2016

ASSESSMENT

Lab	A* 51	B* 51	C* 49	DRB1* 57	DRB3/4/5* 17	DQA1* 19	DQB1* 55	DPA1* 5	DPB1* 40	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB3*	DRB5*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Acceptable Acceptable Unacceptable
										25:01 25:07	26:01 26:24/26	38:01 38:01	58:11/31N/51/52/57/58	07:01/06/52/153/166/337/343	12:23/109/110/111	13:03 13:03	16:01 16:01	01:01 01:01	02:02 02:06	01:02 01:02	05:09/11 05:09/11	03:09/19/29/35/42/49/50/51/94	05:14/17/26/37/46/47	01:03 01:03	05:09/11 05:09/11	03:01 03:01	05:02 05:02	
9	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01	01:01	02:02			03:01	05:02				04:01	
11	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01					03:01	05:02				04:01	
12	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01					03:01	05:02				04:01	
15	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01/07	26:01/24/26	38:01	58:01/11/51	07:01/06/18	12:03/23/109	13:03	16:01					03:01/09/19	05:02/14/17				04:01	
19	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
20	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01			01:02	05:05	03:01	05:02			04:01	04:01	
23	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01					03:01	05:02				04:01	
24	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
26	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
28	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01			01:02	05:05	03:01	05:02	01:03			04:01	
29	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01/06/18/343	12:03	13:03	16:01					03:01	05:02				04:01	
34	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02	01:03			04:01	
35	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02/11	05:05/11				04:01	
38	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					01:02	05:05				04:01	
39	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					01:02	05:05				04:01	
41	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
42	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01/06/18/343	12:03	13:03	16:01					03:01	05:02				04:01	
45	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:06/18	12:03	13:03	16:01					03:01	05:02				04:01	
48	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01/06/18/343	12:03	13:03	16:01					03:01	05:02				04:01	
51	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
62	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			03:01	05:02				04:01	
101	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01/06/18/343	12:03	13:03	16:01					03:01	05:02				04:01	
109	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
112	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
113	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			03:01	05:02				04:01	
115	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05				04:01	
119	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
123	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05				04:01	
126	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05			01:03	04:01	
128	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
130	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05	03:01/29/35/42/49/50/51/94	05:02/17/36/37/46/47		04:01	
132	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					01:02	05:05				04:01	
133	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01					03:01	05:02				04:01	
141	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					01:02	05:05				04:01	
142	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					01:02	05:05				04:01	
145	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
147	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05				04:01	
149	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:02	05:05				04:01	
150	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
156	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01/51/52/57/58	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
157	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01					03:01	05:02				04:01	
164	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:18	12:03	13:03	16:01	01:01	02:02			01:01/02/06/09/11	05:05/09/11				04:01	
165	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	25:01	26:01	38:01	58:01	07:01	12:03	13:03	16:01	01:01/08	02:02/06			01:02	05:05	</				

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

SAMPLE 4A2 04/2016

DISPATCHED ON 01ST MARCH 2016

ASSESSMENT

		A*	B*	C*	DRB1*	DRB3/4/5*	DQA1*	DQB1*	DPA1*	DPB1*												
		11:01	31:01	44:02	55:01	03:03	05:01	03:03	03:03	03:02	03:02	03:01	03:01	03:01	03:01	01:03	01:03	04:01	04:01	04:01	04:01	Acceptable
		11:21N/69N/86/100/102/108/120/124/12		31:14N/23/46/48/55/56/59/71/72/8		44:19N/27/66/118/187		03:20N/62/171/205/206/207/227		05:03/37/53/93		03:09/19/29/35/42/49/50/51/9		03:01		03:01		04:01		04:01		Unacceptable
		6/129/142/154/163/171/172/174		1		1		03		05		04		04		03, 03:13		03, 03:13				
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44		55		03		05		04		04						
		11		31		44																

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

SAMPLE 4A2 05/2016

DISPATCHED ON 01ST MARCH 2016

ASSESSMENT

A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB3*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*	Acceptable
01:04N/22N/32/37/45/56N/81/8	25:07	07:44/58/59/61/120/128/129/1	08:01	07:06/18/19/27/52/153/166/337/343	07:19/27/50/66/74/159/160/167/245/308/348	03:01	07:01	01:01	01:03N	02:01	05:01	02:02/04	03:03/31/33/39/87/88/89/91/96/97/9	01:03	01:03/blank	02:01/141:01	02:01/126:01	Acceptable
7N/103/107/109/132/141/142	01	30/156/161N/169	08	07	07:03/347N	03	07					02, 02, 07	03, 03, 02					Unacceptable

Result Summary
Number Acceptable
Number Unacceptable
Number NT

51	51	51	51	49	48	57	57	17	17	19	19	54	54	5	5	40	40	Acceptable
1	1	1	1	1	2	1	1	0	0	0	0	2	2	0	0	0	0	Unacceptable
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Unacceptable

Lab	A*	B*	C*	DRB1*	DRB3/4/5*	DQA1*	DQB1*	DPA1*	DPB1*	A*	A*	B*	B*	C*	C*	DRB1*	DRB1*	DRB3*	DRB4*	DQA1*	DQA1*	DQB1*	DQB1*	DPA1*	DPA1*	DPB1*	DPB1*
9	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N			02:01	03:03			02:01	04:01
11	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
12	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02/61	08:01	07:01/06/18/343	07:02/50	03:01	07:01					02:01	03:03			02:01	04:01
15	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01/32/37	25:01/07	07:02/44/58	08:01/109	07:01/06/18	07:02/50/66	03:01	07:01					02:01/02/04	03:03/31/33			02:01	04:01
19	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
20	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02/61/161N	08:01	07:01	07:02/347N	03:01	07:01			02:01	05:01					02:01/141:01	04:01
23	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
24	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
26	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
28	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
29	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03	01:03		02:01	04:01
34	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N	02:01	05:01	02:01	03:03	01:03		02:01	04:01
35	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N	02:01	05:01	02:01	03:03			02:01	04:01
38	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
39	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
41	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
42	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01/18/27	07:02/19/50	03:01	07:01					02:01	03:03			02:01	04:01
45	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01/343	07:02	03:01	07:01					02:01	03:03			02:01	04:01
48	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01/06/18/343	07:02/50	03:01	07:01					02:01	03:03			02:01/141:01	04:01
49	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
51	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N			02:01	03:03			02:01	04:01
62	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01/06/18/19/343	07:02/27/50	03:01	07:01					02:01	03:03			02:01	04:01
101	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02/161N	08:01	07:01/06/18/19/343	07:02/27/50	03:01	07:01					02:01	03:03			02:01	04:01
109	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
112	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
113	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N			02:01	03:03			02:01	04:01
115	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N	02:01	05:01	02:01	03:03			02:01	04:01
119	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
123	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N			02:01	03:03			02:01	04:01
126	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N	02:01	05:01	02:01	03:03	01:03		02:01	04:01
128	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03	03:03/31/33/39/87-89/91/96-98		02:01	04:01
130	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N	02:01	05:01	02:01	03:03	01:03		02:01	04:01
132	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
133	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
141	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
142	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02/61/161N	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
145	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02/61	08:01	07:01	07:02	03:01	07:01					02:01	03:03			02:01	04:01
147	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02/61	08:01	07:01	07:02	03:01	07:01	01:01	01:03N			02:01	03:03			02:01	04:01
149	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	2nd field	01:01	25:01	07:02	08:01	07:01	07:02	03:01	07:01	01:01	01:03N	02:01	05:01	02:01	03:03			02:01	