

SAMPLES 6 07-12/2017

DESPATCHED ON 26TH SEPTEMBER 2017

UK NEQAS for H&I Scheme 6 - HLA Antibody Detection

COMPLEMENT DEPENDENT CYTOTOXICITY (CDC) TECHNIQUE INFORMATION

Lab No	Technique	Cell source	Frozen trays	In-house Commercial	Panel		Complement source	Incubation		Dead cell visualisation	Analysis Procedures	Software Manufacturer	Comments				
					Composition	Size		Pre-C'	Post-C'								
20	NIH	B-cells	No		Random	40	Cedarlane	1	1	5	1	60	45	EB+AO	Manual/Computerised	In-House	>6%
28	CDC		Yes	One Lambda	Selected	30	Cedarlane		1	5		30	60	Fluoroquench	Manual		CDC is used in conjunction with the Class I ID and SA kits to determine specificities
29	NIH	PBL, T-cells	Yes	One Lambda	Selected	58 (+2)	Cedarlane		1	5		30	60	Fluoroquench	Manual		
42	NIH	PBL	Yes	In-house	Mixture	40	TCS Biosciences	1	1	5	1	60	120	Fluoroquench	Manual		
101		T-cells	Yes	GenTrak	Selected	30	Commercial		2	6	2	30	60	Fluoroquench	Manual		T-cell panel dependant
114	NIH	T and B-cells	No		Random	50	Commercial	1	1	5	0.1	30	60	Fluoroquench	Computerised	One Lambda	
120	Standard CDC	T and B-cells	Yes	In-house	Selected	36	Cedarlane	1	1	6	2	25	50	Fluoroquench	Computerised	Lambda scan	20%
136	NIH	PBL	No		Mixture	49	In-house	1	1	5		30	60	EB+AO	Computerised	One Lambda	>4%
139	NIH	PBL	Yes	GenTrak	Selected	30	Cedarlane	1	2	5		30	60	Fluoroquench	Manual		
154	NIH	T-cells	Yes	Servibio	Mixture	30	Servibio		2	5	8	30	60	Fluoroquench	Manual		Any positive results
159	Classical CDC	PBL	Yes	In-house	Selected	30	In-house	2	1	5	10	30	60	EB+AO	Computerised	One Lambda	>5%
186	NIH	PBL	No	In-house	Selected	34	Invitrogen	1	1	6	1	30	60	EB	Manual		N/A
194	CDC	PBL	No	In-house	Selected	42	In-house	1	1	5		30	60	Fluoroquench	Computerised	One Lambda	>5%
206	NIH	PBL	Yes	In-house	Selected		Cedarlane	1	1	6,6	1	30	90	Fluoroquench	Manual		10%
223		T-cells	No		Random		Innotrain	0,5	0,5	2		45	60	EB+AO	Manual		
227	NIH	PBL	No		Random	30	Immucor	1	1	6	5	30	60	Fluoroquench	Manual		3%
238	NIH	PBL	No		Selected	40	Invitrogen	1	1	5		30	60	Fluoroquench	Computerised	Ingen	Any % PRA >0
245	NIH	T-cells	Yes	GenTrak	Selected	30	BAG		2	5	0.1	30	60	EB	Manual		3 (1/30)
268	CDC AgH	T-cells	Yes		Random	60	GenTrak		2	5	1/10	30	60	Fluoroquench	Manual		5%
284	With and without DTT	PBL	No		Selected	30	Cedarlane	1	1	5	1	45	75	EB+AO	Manual/Computerised	Lymhoe	1
294	AHG	T-cells	Yes	GenTrak	Selected	60	GenTrak		2	5		30	60	Fluoroquench	Manual		
311	NIH	PBL	Yes	GenTrak	Selected		Servibio		2	5		45	90	Fluoroquench	Manual		3%
315		T-cells	Yes	Servibio	Random	30	Servibio	1	2	5	1/20	30	60	Fluoroquench	Manual/Computerised		

FLOW CYTOMETRY TECHNIQUE INFORMATION

Lab No	Flow Cytometer Model	Cell		Conjugate	Manufacturer	Conjugate	Manufacturer	Software	Manufacturer	Comments
		preparations	source							

ELISA TECHNIQUE INFORMATION

Lab No	ELISA kit(s) used	Batch No.	Manufacturer	ELISA kit(s) used	Batch No.	Manufacturer	Comments

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LUMINEX TECHNIQUE INFORMATION

UK NEQAS for H&I Scheme 6 - HLA Antibody Detection

Lab No	LUMINEX NSI used	Used for	Selection Criteria	Batch No	Bead Volume (µl)	Serum Volume (µl)	Source	Negative Control	Details	Detail of \pm cut off	LUMINEX NSI used	Used for	Selection Criteria	Batch No	Bead Volume (µl)	Serum Volume (µl)	Source	Negative Control	Details	Detail of \pm cut off		
9	LSTAD4	Selected	Weak positive on mixed screen	10	2	20	Manufacturer			1000MFI	LSM12	All			2.5							
11	LSM12	All		20	2	8	Manufacturer	LOT 16		Ratio >2.5												
12	LSM12	All		21	2	20	Manufacturer			Ratio >= 8	LS2A01	Selected	Borderline screen result	011	2	10	Manufacturer			300MFI		
14	LSTAD4	Selected	Borderline screen result	10	2	10	Manufacturer			300MFI												
15	LS1PRA	All		016	2	8	IH			>500MFI + pos	LS2PRA			16	2	8	IH				>500MFI + pos	
19	LSM12	All		21	2	8	Manufacturer			CI 4.1 CI 3.1												
20	LSM12	All		000	2	8	Manufacturer			500												
23	LSM12	All		000	5	20	Manufacturer			LOT 16												
24	LMX	All		000	5	20	Manufacturer			CI 5.2 CI 3.6	LS1PRA	Selected	Borderline	016	3.5							
25	LSM12	All		21	5	20	Manufacturer			CI 7.0 CI 6.0												
26	LSM12	All		000	2	8	Manufacturer			Ratio 4.1												
28	LSM12	All		81837	3	20	Manufacturer	NC 16		Ratio 4.1 ratio <1.8 Neg												
29	LM1	All		3004259	2	8	Manufacturer			1000	LM2	All	Equivalent Results	3004223	5	12.5	Manufacturer					
34	LSTAD4	Selected	Equivalent Results	10	2	8	Manufacturer			1000	LS2A01	Selected	Equivalent Results	11	2	8	Manufacturer				1000	
38	LMX	All		3003200	2.5	20	Manufacturer			Relative fluorescence >2000	LSM12	All		000	2.5	20	Manufacturer				MFI >500	
39	LS2PRA	Selected	To confirm the presence/absence of HLA-specific antibodies	15	2.5	20	Manufacturer	NBSC		MFI >1500	LSM12	All	To detect the presence/absence of HLA-specific antibodies	20	2.5	20	Manufacturer	NBSC				Ratio >2
41	LSM12	All		20	2.5	20	Manufacturer	CL		500	LS2A01											
42	LS1A04	Selected		16	2.5	10	IH and Man			500	LS2PRA	Selected	Positive LSM	15	2.5	10	IH and MAN					500
46	LM1	All	Positive LSM Lab alternative between different manufacturers	3003924	2	8	Manufacturer	Adjustments to manufacturers instructions for use	None		LM2	All		3004223	2	8	Manufacturer	Adjustments to manufacturers instructions for use				None
51	LSA1	All		20	2	8	Manufacturer			pos >350	LSA1											
54	LSM12	Selected		2973	2.5	6.25	Manufacturer			pos >20	LS1A04	Selected		009	2.5	10	Manufacturer					Pos ==1000
62	LSM12	All		20	2.5	10	Manufacturer			NRG ratio >1.5	LMX1	All		30048830055	2.5	10	Manufacturer					
100	LM1	All	Immutor Exclusive User	3003924	5	12.5	Manufacturer			Software Derived	LM2	All		3004223	5	12.5	Manufacturer					Software Derived
101	LSM12	All		30045983004656	5	20	Manufacturer			2.5 500MFI	LSA1	Selected	Confirming score 2 screening	11116A11026E-BA1	40	10	Manufacturer					500
112	LMX	All		20	2.5	10	In house			Ratio >5												
114	LSM12	All		20	5	20	Manufacturer			Ratio 1.5-2.0												
115	LSM12	All		161885 Lot21	5	18	In house	Non immunised human serum AB male		Ratio >3												
127	LMX	All		000	5	12.5	Manufacturer			1000												
130	LSM12	All		000	5	20	In house			NRG ratio >5												
133	LMX	All		000	5	12.5	In house			1000												
136	LSM12	All		000	2.5	10	AB male			1000MFI												
139	LSM12	All		000	5	20	Manufacturer			neg <6, pos >6												
143	LS2PRA	Selected	Borderline positive on LSM12	15	5	20	Manufacturer			1000MFI and reaction pattern	LSM12	All		000	5	20	Manufacturer					1000MFI and reaction pattern
147	LSM12	All		000	5	20	Manufacturer			Ratio >5												
153	LSM12	All		000	5	20	Commercial			Ratio >5												
154	LSM12	All		20	5	20	Manufacturer			Ratio >3												
159	LSM12	All		20	5	20	Manufacturer			Ratio >3												
160	LSM12	All		0000123972	5	20	Manufacturer			Ratio >5 = pos Ratio <3 = neg												
182	LSM12	All		21	2.2	10	Manufacturer			3												
183	LSM12	All		000	5	18	In house	Pool sera unselected male		pos >4, neg >2.5												
184	LSM12	All		152273	3	20	Manufacturer			= internal negative control												
189	LSTAD4	All		009	10	10	Manufacturer			1000MFI	LS2A01			011	3							
181	LS1A04	All		009	5	20	Manufacturer			500MFI	LS2A01			011	5							
186	LMX	All		3003968 3003283	5	12.5	Manufacturer			Manufacture criteria												
188	LMX	All		62	5	20	Manufacturer			>1000MFI pos												
190	LS1A04	All		001	5	20	Manufacturer			1000MFI	LS2A01											
191	LSM12	All		001	5	20	Manufacturer			Ratio >2.5												
193	LSM12	All		000	5	20	Manufacturer			Ratio >2.5												
194	LSM12	All		21	4	20	Manufacturer	LSNC		CI >3, CII >2.5												
195	LSM12	All		3004480	5	12.5	Manufacturer															
204	LSM12	All	Maximal/positive samples tested by Class III ID kit	3004588	5	12.5	Manufacturer			Manufacturer												
209	LSM12	All		20	5	20	Manufacturer			NRG ratio >2												
212	LMX	All		3003133	5	12.5	Manufacturer			1000MFI												
214	LSA1	All		0228M	40	10	Manufacturer			500	LSA1	All		09156A	40	10	Manufacturer					500
216	LMX	All		3004969	5	12.5	Manufacturer			1000												
217	LMX	All		5	12.5	10	Manufacturer			1000 raw	LM2											
222	LM1	Selected		1	4	12.5	Manufacturer			MFI <1000 = neg												
229	LMX	All		1	4	12.5	Manufacturer			1000MFI												
230	LMX	All		3004891	5	12.5	Manufacturer			1200	LM2	Selected		3003781	5	12.5	Manufacturer					1200
231	LM1	All		3004734	5	12.5	Manufacturer			800	LSA1	Selected	control weak positive	06256N	30	8	Manufacturer					
232	LM1	All		3004796	5	12.5	Manufacturer			500MFI												
238	LMX	All		000019169	100	1	In House			500MFI												
240	LMX	All		1102016-PRA	4	20	Manufacturer			400MFI												
241	LSM12	All		161885	4	20	Manufacturer			3 ratio												
242	LMX	All		3004480 3004353	5	12.5	Manufacturer			1500												
246	LSM12	All		3003133	5	12.5	Manufacturer			ADJ >1												
259	LMX	All		000072228	5	20	Manufacturer			17												
262	LMX	All		021	5	20	Manufacturer			>NRG ratio 1.5	LS2PRA	All		016	5	20	Manufacturer					MFI = 2000
264	LaborScreen	All		17	5	20	Manufacturer			Ratio >1												
268	LS1PRA	All		63264	5	20	Manufacturer			Ratio >2.5												
273	LSM12	All		009	5	20	Manufacturer			500MFI	LS2A01			011	5	20	Manufacturer					
284	LSM12	All		3002973	5	12.5	Manufacturer			Ratio >4												
290	LMX	All		3004821	5	12.5	Manufacturer			Ratio >4												
302	LMX	All		021	2.5	10	Manufacturer			1000												
303	LSM12	All		3004821	5	12.5	Manufacturer			NRG ratio >3												
309	LMX	All		021	5	18	Manufacturer			Ratio >4												
311	LSM12	Selected		021	5	20																

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LUMINEX TECHNIQUE INFORMATION

Lab No	LUMINEX kit(s) used	Used for	Selection Criteria	Batch No.	Bead Volume (µl)	Serum Volume (µl)	Negative Control Source	Negative Control Details	Details of +/- cut-off	LUMINEX kit(s) used	Used for	Selection Criteria	Batch No.	Bead Volume (µl)	Serum Volume (µl)	Negative Control Source	Negative Control Details	Details of +/- cut-off
11																		
12																		
14	LSM12	AI		20	2	10	Manufacturer		+ve 1.5, -ve 1.2									
15																		
19																		
20																		
23																		
24																		
25																		
26																		
28																		
30	LMX	AI		300488	5	12.5	Manufacturer			LSAII	AI	11216A	40	10	Manufacturer			
34	LSM12	AI		21	5	20	Manufacturer	Neg 1.2, Pos 1.5										
38																		
39																		
41																		
42																		
46	LSM12	AI		21	2.5	10	H and MHV Manufacturer	Various Ratio Adjustments to manufacturer's instructions for use	Generally over 1500 but taken with clinical history	LS2A01	Selected	11	3	12	Manufacturer		Generally over 1500 but taken with clinical history	
48	LS1A04	Selected	ALL For samples where oligonucleotide allele between kits	10	3	12	Manufacturer											
51																		
54																		
68	LS2A01	Selected		11	2.5	10	Manufacturer		Pos >=1000	LSM12	AI	20	2.5	10	Manufacturer		Pos = ratio >3	
69																		
100	LMX	AI	Immucor Exclusive User	3004821	5	12.5	Manufacturer		Software Derived									
101																		
112	LSAII	Selected	Confirmation screen 2 screening	BA10106A	40	10	Manufacturer		500									
114																		
116																		
117																		
120																		
122																		
128																		
133																		
135																		
136																		
143																		
147																		
153				154														
154																		
156																		
160																		
182																		
183																		
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191																		
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206																		
209																		
212																		
214																		
215																		
216																		
217																		
222																		
223																		
227																		
229																		
230																		
231																		
232																		
238	LSAII	Selected	Control weak positive	11236A	30	8	Manufacturer											
239																		
240																		
241																		
242																		
243																		
252																		
259																		
262																		
268																		
273	LS1A04	ALL		010	5	20			MFI = 2000	LSM12	ALL	21	5	20				Ratio = 4
284																		
285																		
290																		
292																		
294																		
297																		
301																		
302																		
303																		
309																		
311																		
315																		
318																		
322																		
323																		
333																		
335																		
345																		
351																		
361																		
374																		

Immucor	Class I ID K6	One Lambda	LS1PRA	LABScreen PRA Class I
LM2	Class II ID K6		LS2PRA	LABScreen PRA Class II
LSM	LifeCodes LifeScreen Deluxe K6		LS13PRA	LABScreen PRA Class III
LSAII	LifeCodes LifeScreen SA Class I		LS1A04	LS SA Class I
LSAII	LifeCodes LifeScreen SA Class II		LS2A01	LS SA Class II
LSAII	LifeCodes LifeScreen SA Class III		LSM12	LS Mixed Class III

Note: UK NEQAS for H&I have used participant and manufacturer's information to aid consistency with methodological information. Please report any errors to Deborah.Pritchard@ukneqas.hands.nhs.uk

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UK NEQAS for H&I is operated by Velindre NHS Trust, a UKAS proficiency testing provider No 8351.

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LUMINEX TECHNIQUE INFORMATION

Lab No	Positive control serum for Luminex testing?	Source	Every run?	Positive control serum		If no:	Samples stored prior to testing?	Conditions?	Storage (m7, hours)	Methods used?	Serum treatment		Incubation times?	
				If no:	Same serum?						Dilution/ Other:	Criteria?	Manufacturers Instruction	Other
9	Yes	Sensitised patient sera	No	Positive control sera tested once a week	Yes		Sometimes	-20	>48		Dilution	High background	Yes	
11	Yes	Pooled sensitised patient sera	Yes		No	Different controls for LSM12, SAbS I and SAbS II	Yes	-40	>48	Adsorption beads				Yes
12	Yes	Sensitised patient sera	Yes		Yes		Yes	-20	24-48	Adsorption beads	Dilution	High background	Yes	
14	Yes	Sensitised patient sera	Yes		No	Sensitised patient control sera for each kit chosen by Ab profile	Always	-20	>48	Heat inactivation, EDTA			Yes	
15	Yes	Pooled HSP sera	Yes		Yes		Yes	-2.8	<24	EDTA			Yes	
16	Yes	Sensitised patient sera	Yes		Yes		Yes	-2.8	24-48	EDTA			Yes	
20	Yes	Sensitised patient sera	Yes		Yes		Always	-80	>48	EDTA			Yes	
23	Yes	Positive patient sera diluted 1:2	Yes		Yes		Always	-40	>48	EDTA, Adsorption beads		NC >1500	Yes	
24	Yes	Sensitised patient sera	Yes		No	For mixed and ID runs using One Lambda we have an in house pos control which is a pool of highly sensitised patients	Always	-20	>48	N/A			Yes	
25	No	Sensitised patient sera	Yes		Yes		Yes	-30	24-48	EDTA, Adsorption beads			Yes	
28	Yes	Sensitised patient sera	Yes		Yes		Yes	-2.8	<24	EDTA, Adsorption beads			Yes	
28	Yes	Sensitised patient sera	Yes		Yes		Yes	-20	>48	EDTA, Adsorption beads			Yes	
28	Yes	Manufacturers	No		No	Kit Dependent	Sometimes	3-5	>48			High background	Yes	
34	Yes	Sensitised patient sera	Yes		No		Sometimes	-40	24-48	EDTA			Yes	
38	Yes	Sensitised patient sera	Yes		No	LifeCodes pos control	Always	-30	24-48	EDTA			Yes	Modified Halifax Assay
38	Yes	Sensitised patient sera	Yes		Yes		Always	-40	>48	EDTA, Adsorption beads			Yes	
41	Yes	Sensitised patient sera	Yes		No		Yes	-80	>48	Adsorption beads			Yes	
42	Yes	Sensitised patient sera	Yes		Yes		Always	-40	24-48	EDTA, Adsorption beads			Yes	
42	Yes	Pooled sensitised patient sera	Yes		Yes		Always	Frozen	>48	EDTA, Adsorption beads			Yes	
48	Yes	Pooled sensitised patient sera	Yes		No	Kit Dependent	Sometimes	-20	>48	Heat inactivation, Adsorption beads		EDTA used for SA tests	Yes	
51	Yes	Pooled sensitised patient sera	Yes		Yes		Always	-40	>48	EDTA, Adsorption beads			Yes	
54	Yes	Pooled sensitised patient sera	Yes		No		Always	-20	>48	EDTA, Adsorption beads			Yes	
58	Yes	Sensitised patient sera, Manufacturer	Yes		No	Kit Dependent	Always	-15 to -20	>48		Fetal calf serum added to 5% of total		Yes	
62	Yes	Tepnel LifeCodes	Yes		Yes		Yes	-70	>48	Adsorption beads			Yes	
100	Yes	Manufacturer	Yes		No	Pos control is assay specific	Always	-20	>48				Yes	
101	Yes	Sensitised patient sera	Yes		Yes	commercial	Always	-20	>48	Adsorption beads	DTT	High background	Yes	
112	Yes	Sensitised patient sera	Yes		No	One for each kit	Always	-20	>48	N/A			Yes	
114	Yes	Sensitised patient sera	Yes		Yes		Sometimes	Frozen	24-48	Adsorption beads		Selected samples, Adsorb Out, ratio 1/10	Yes	
115	No													
117	No	Pooled positive sera from plasma donors	Yes		No	Used only for LSM12 kits	Always	-65	>48	Adsorption beads			Yes	
120	Yes	Provided by kit manufacturer	Yes		No	Each kit has own positive control	Always	-20	>48	EDTA, Adsorption beads		NC baseline >500 and/or PC baseline >4000	Yes	
127	Yes	Sensitised patient sera	Yes		Yes		Always	-20	>48	Adsorption beads			Yes	
128	Yes	Manufacturer	Yes		Yes		Yes	-22	>48	Adsorption beads			Yes	
133	Yes	Sensitised patient sera	Yes		Yes		Always	-20	>48	Adsorption beads		High background	Yes	
138	Yes	Sensitised patient sera	Yes		No		Always	Frozen	>48	Adsorption beads		All samples, Adsorb Out, ratio 1/10	Yes	
138	Yes	Sensitised patient sera	Yes		No	Different PC for detection and identification Class I and II	Always	-30	>48	Adsorption beads			Yes	
143	No	Sensitised patient sera	Yes		Yes		Always	-20	>48	Adsorption beads			Yes	
147	Yes	Sensitised patient sera	Yes		Yes	For each series HLA Antibody detection	Yes	4	>48	Adsorption beads			Yes	
153	Yes	Sensitised patient sera	Yes		No	Screening + Pos Class I and II serum	Yes	4	>48				Yes	
154	Yes	Sensitised patient sera	Yes		Yes		Always	-25	>48	Adsorption beads			Yes	
159	Yes	Sensitised female donors	Yes		Yes		Always	-4.6	>48	EDTA			No	
160	No		No	Not requested	No	Not requested	Always	-20	24-48	EDTA			No	
162	No	Sensitised patient sera	Yes		Yes	Sensitised patient sera for the labscreen mixed, another sensitised patient sera different for labscreen SA	Always	-30	>48	EDTA, Adsorption beads			Yes	
163	Yes	Sensitised patient sera	Yes		Yes		Sometimes	5	>48				Yes	
164	Yes	Sensitised patient pool	Yes		Yes	One for Class I and one for Class II	Always	-20	>48	Dilution			No	
181	Yes	Manufacturer	Yes		No		Always	Frozen	>48	Adsorption beads	Dilution		Yes	
186	Yes	Manufacturer	Yes		No		Always	Frozen	24-48	Adsorption beads			Yes	
188	Yes	Manufacturer	Yes		No	Kit Dependent	Sometimes	-2.8	24-48				Yes	
190	Yes	Pooled sensitised patient sera	Yes		Yes	Kit Dependent	Yes	-40	>48		Dilution		Yes	
191	Yes	Sensitised patient sera	Yes		Yes		Always	-20	<24	Adsorption beads			Yes	
193	Yes	Sensitised patient sera	Yes		Yes		Always	-35	24-48	EDTA			Yes	
194	Yes	Sensitised donor sera	Yes		Yes		Always	Frozen	>48		DTT		Yes	
195	Yes	Sensitised patient sera	Yes		No	Not the same for identification (simple antigen)	Yes	-80	>48	N/A			Yes	
204	Yes	Pooled sensitised patient	Yes		Yes	Same control for LABScreen SA kits, different for LABScreen mixed	Always	-20	>48	EDTA, Adsorption beads		High background	Yes	
205	Yes	Sensitised patient sera, Manufacturer	Yes		Yes		Yes	-30	<24	Adsorption beads	Dilution		Yes	
208	Yes	Sensitised patient sera, NIBSC	Yes		No	Strong PC used for all Luminex, low pos for antibody detection	No	-30	>48				Yes	
212	Yes	Kit Dependent	Yes		No	Kit Dependent	Always	-30	24-48		Dilution	High background	Yes	
214	Yes	Manufacturer	Yes		Yes		Always	Frozen	>48		Dilution	Selected samples (high CONs), distilled water, 1/5 or 1/10	Yes	
215	Yes		Yes		Yes		No	Fridge	>48	N/A			Yes	
218	Yes		Yes		Yes		No	Fridge	>48	N/A			Yes	
219	Yes		Yes		Yes		No	Fridge	>48	N/A			Yes	
222	Yes		Yes		Yes		Always	-40	>48	EDTA	Dilution		Yes	
223	Yes	Sensitised patient sera	Yes		Yes		Always	-80	>48	Adsorption beads			Yes	
227	Yes	Manufacturer	Yes		No	Kit Dependent	Always	-80	>48				Yes	
230	Yes	Kit Dependent	Yes		Yes		Always	-20	24-48				Yes	
231	No	Manufacturer	Yes		Yes		No	-12.5	>48				Yes	
232	Yes	Manufacturer	Yes		Yes		Always	2.5	<24				Yes	
238	Yes	Pool of immunised patient sera	Yes		Yes		Always	4	>48	N/A			Yes	
240	Yes	Manufacturer	Yes		Yes		Always	-20	>48	N/A			Yes	
241	Yes	Manufacturer	Yes		Yes		Yes	Fridge	>48	Heat inactivation			Yes	
242	No		Yes		No		Always	Frozen	>48	Adsorption beads			Yes	
245	Yes	Pooled sensitised patient sera	Yes		No	Other positive control for single antigen assays	Always	-25	24-48	EDTA, Adsorption beads		High background	Yes	
252	Yes	Manufacturer	Yes		No	We use the positive control present in the kit for each test	Yes	-20	>48	N/A			Yes	
259	Yes		Yes		Yes		Sometimes	-24	24-48		Dilution	High background	Yes	
262	Yes	Immunised platelet donor	Yes		Yes		No	20	24-48				Yes	
264	Yes		Yes		Yes		Always	-20	>48				Yes	
268	Yes	Sensitised patient sera, Manufacturer	Yes		No	Cut offs choice	Yes	-20	>48	EDTA			Yes	
273	Yes	Sensitised patients	Yes		Yes		Always	4	24-48				Yes	
284	Yes	Sensitised patient sera	Yes		No		Always	-30	>48	EDTA, Adsorption beads	Another frozen cycle	NC >500 = adsorb out, PC <5000 = frozen cycle	Yes	
292	Yes	Sensitised patient sera	Yes		No	Kit Dependent	Always	-30	>48	Adsorption beads		High background	Yes	
293	No		Yes		Yes		Always	-70	>48	Heat inactivation, Adsorption beads		High MFI value	No	
294	Yes	Manufacturer	Yes		Yes		Always	-20	24-48	Adsorption beads			Yes	
297	Yes	Sensitised patient	Yes		Yes		Yes	-20	>48	Adsorption beads			Yes	
301	Yes		Yes		Yes		Always	-30/40	>48				Yes	
302	Yes	Sensitised patient	Yes		No		Always	-20	>48	Heat inactivation, EDTA, Adsorption beads		NC >500MFI = adsorb out, PC <5000MFI = Heat inactivation	Yes	
303	Yes		Yes		Yes		Always	-20	>48				Yes	
309	Yes	Manufacturer	Yes		Yes		Sometimes	4	>48	N/A			Yes	
311	Yes	Patent sera	Yes		Yes		Always	-80	>48	EDTA, Adsorption beads			Yes	
318	No		Yes		Yes		Yes	5	24-48	EDTA			Yes	
319	Yes	Manufacturer	Yes		Yes		Yes	2.8	>48	N/A			Yes	
322	Yes		Yes		Yes		Sometimes	-80	>48	EDTA	Dilution		Yes	
323	Yes	Sensitised patient sera	Yes		Yes		Sometimes	-80	>48				Yes	
335	Yes		Yes		Yes		Sometimes	-80	>48	EDTA	Dilution		Yes	
345	Yes		Yes		Yes		Sometimes	2.8	24-48	N/A			Yes	
351	Yes		Yes		Yes		Sometimes	2.8	24-48	N/A			Yes	

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Effective Date 20/10/16

UK NEQAS for H&I Scheme 6 - HLA Antibody Detection

LUMINEX TECHNIQUE INFORMATION

Wash step details	Washes	First wash step	Second wash step	Buffer removed by	Software	Min bead count	Min pos control bead MFI	High background criteria	Data analysis
Wash medium	Anything added	Washes	Volume (ul)	Washes	Volume (ul)				
Supplied	No	5	200	5	200	Vacuum Manifold	Fusion	50	NC >500
Supplied	No	3	200	2	200	Centrifuge	Fusion	50	1000
Supplied	EDTA	5	175	5	175	Vacuum Manifold	Fusion	50	NC >500
Supplied	EDTA	5	200	2	200	Centrifuge	Fusion	50	Neg MFI >500, Pos/Neg ratio <2
Supplied	No	5	200	5	200	Vacuum Manifold	Fusion	50	PC/Nc >2
Supplied	No	5	200	5	200	Vacuum Manifold	Fusion	50	>1500
Supplied	No	5	200	4	200	Vacuum Manifold	Fusion	50	NC >500MFI
Supplied	No	3	200	3	200	LabXpress	Fusion	50	>1500
Supplied	PRA=5	200	200	PRA=5	200	Vacuum Manifold	Fusion	50	NC >500
Supplied	No	5	220	5	220	Vacuum Manifold	Fusion	50	>500
Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion	50	5000
Supplied	No	4	100	4	100	Vacuum Manifold	Fusion	30	500
Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	100	Manufacturer
Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion	50	NC >500
Supplied	No	3	200	2	200	Centrifuge	Fusion	80	Neg control >500MFI
Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion	50	NC >500
Supplied	No	4	200	4	200	LabXpress	Fusion	50	>500
Supplied	No	3	200	3	200	Vacuum Manifold	Fusion	50	NC >1500
Supplied	No	4	200	4	200	Vacuum Manifold	Fusion and H	50	>500
Supplied	No	3	250	3	150, 250	Vacuum Manifold	MatchIT, Fusion	50	1000, 10000
Supplied	No	5	250	5	250	Vacuum Manifold	MatchIT, Fusion	50	>500
Supplied	No	3	200	3	200	Centrifuge	Fusion	40	NC >500MFI
Supplied	Kit Dependent	Kit Dependent	Kit Dependent	Kit Dependent	Kit Dependent	Vacuum Manifold	MatchIT, Fusion	40	Kit Dependent
Supplied	No	5	200	5	200	Vacuum Manifold	MatchIT	50	>500
Supplied	No	3	250	3	250	Vacuum Manifold	MatchIT	50	10000MFI control serum
Supplied	No	1	100	3	250	Centrifuge	Fusion	100	4000
Supplied	No	3	160	2	160	Centrifuge	Fusion	50	10000
Supplied	No	3	200	3	200	Centrifuge	Fusion	50	PC >1500
Supplied	No	3	150	2	200	Centrifuge	Fusion	50	500
Supplied	No	3	200	2	200	Centrifuge	Fusion	50	4000
Supplied	No	3	200	5	175	Vacuum Manifold	MatchIT	60	raw data of NC 300-400
Supplied	No	3	175	2	200	Centrifuge	Fusion	50	NC >500MFI
Supplied	No	3	175	5	175	Vacuum Manifold	MatchIT	60	1000
Supplied	No	3	250	5	175	Vacuum Manifold	MatchIT	60	PC/NC <2
Supplied	No	3	150	2	150	Centrifuge	Fusion	50	>1000
Supplied	No	3	175	5	175	Vacuum Manifold	MatchIT	60	MFI >1000
Supplied	No	3	150	2	200	Centrifuge	Fusion	50	>500
Supplied	No	4	250	4	250	Vacuum Manifold	Fusion	50	NC >1500MFI
Supplied	No	5	175	6	175	Vacuum Manifold	Fusion	50	>500
Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	100	NC >500MFI
Supplied	No	3	150	2	200	Centrifuge	Fusion	100	>500
Supplied	EDTA	3	200	2	200	Centrifuge	Fusion	50	NC >500MFI
Supplied	EDTA	4	175	4	175	Vacuum Manifold	Fusion	50	500
Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	NC >1500
Supplied	No	2	150	1	150	Centrifuge	Fusion	50	500
Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	NC >500
Supplied	No	3	250	3	250	Vacuum Manifold	MatchIT	100	High NC
Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	100	10000
Supplied	No	3	200	2	200	Centrifuge	Fusion	100	No criteria
Supplied	No	3	150	3	150	Centrifuge	Fusion	100	>2 or NC <1500
Supplied	No	3	200	2	200	Centrifuge	Fusion	100	NC <500
Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	100	raw data PC >1000
Supplied	No	4	175	4	175	Vacuum Manifold	Fusion	100	raw data NC >500
Supplied	No	4	175	4	175	Vacuum Manifold	Fusion	100	MFI >500
Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	50	NC >500
Supplied	No	5	175	5	175	Vacuum Manifold	MatchIT	60	PC >5000
Supplied	No	3	250	2	200	Centrifuge	Fusion	50	PC >10000
Supplied	No	3	175	5	175	Vacuum Manifold	MatchIT	60	Sera >3500, PC >10000
Supplied	No	1	100	2	250	Vacuum Manifold	MatchIT	60	>1000
Supplied	No	3	250	2	250	Vacuum Manifold	MatchIT	100	>1000MFI
Supplied	No	3	250	2	200	Vacuum Manifold	MatchIT	60	NC >500MFI
Supplied	No	3	250	2	200	Vacuum Manifold	MatchIT	60	>1000MFI
Supplied	No	3	250	2	200	Vacuum Manifold	MatchIT	60	BCM >300
Supplied	No	3	250	2	200	Vacuum Manifold	MatchIT	100	5000
Supplied	No	3	250	2	200	Vacuum Manifold	MatchIT	100	5000
Supplied	No	5	175	5	175	Vacuum Manifold	MatchIT, Fusion	50	1500 raw
Supplied	No	1	150	3	250	Vacuum Manifold	MatchIT	50	>3000
Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	1000	>1000MFI
Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	500	1500
Supplied	No	4	250	3	250	Vacuum Manifold	MatchIT	80	5000
Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	60	Internal control values
Supplied	No	4	1x100, 3x250	3	250	Vacuum Manifold	MatchIT	60	NC out of range
Supplied	No	3	250	2	200	Vacuum Manifold	MatchIT	60	>1000MFI
Supplied	No	3	200	2	200	Centrifuge	Fusion	60	10000
Supplied	Wash buffer	5	100	3	750	Vacuum Manifold	MatchIT	100	X/Fourtest 4.2
Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	3132
Supplied	No	4	1st 100 (50 later)	3	250	Vacuum Manifold	MatchIT	50	1500
Supplied	No	1	150	3	250	Vacuum Manifold	MatchIT	60	>1000
Supplied	No	3	250	3	250	Vacuum Manifold	MatchIT	50	3500
Supplied	No	3	150	2	200	Centrifuge	Fusion	100	NC >500
Supplied	EDTA	5	175	5	175	Vacuum Manifold	Fusion	50	>500 or >2k NC
Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	>500
Supplied	EDTA	4	175	4	175	Vacuum Manifold	Fusion	50	500
Supplied	No	3	200	3	200	Centrifuge	Fusion	50	NC >500
Supplied	No	3	200	2	1000	Vacuum Manifold	MatchIT	60	NC >500
Supplied	No	3	250	3	250	Vacuum Manifold	MatchIT	60	PC >500 and 2k NC
Supplied	No	4	175	4	175	Vacuum Manifold	Fusion	50	>10000 PC and NC, >3500 sample patient
Supplied	No	3	300	3	200	Vacuum Manifold	MatchIT	10000	5000
Supplied	No	3	200	3	200	Centrifuge	Fusion	50	5000
Supplied	No	3	250	3	250	Vacuum Manifold	MatchIT	60	10000
Supplied	EDTA	5	175	5	175	Vacuum Manifold	Fusion	50	4000
Supplied	No	5	175	4	175	Vacuum Manifold	Fusion	50	PC >500
Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	1000	1000
Supplied	No	5	175			Vacuum Manifold	Fusion	50	500
Supplied	No	2				Vacuum Manifold	MatchIT	100	8000

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SAMPLES 607-12/2017 DESPATCHED ON 26TH SEPTEMBER 2017

UK NEQAS for H&I Scheme 6 - HLA Antibody Detection

SUMMARY OF RESULTS							
Total tested	98	95	96	95	98	95	
Positive	3	6	61	6	98	95	
Negative	95	89	35	89	0	0	
NT/Equivocal	1	1	3	1	1	1	
% Positive	3.1%	6.3%	63.5%	6.3%	100.0%	100.0%	
% Negative	96.9%	93.7%	36.5%	93.7%	0.0%	0.0%	
Consensus	Negative	Negative	Not Assessed	Negative	Positive	Positive	

Lab No.	607/2017				608/2017				609/2017				Comments
	CI IgG	CI Method	CII IgG	CII Method	CI IgG	CI Method	CII IgG	CII Method	CI IgG	CI Method	CII IgG	CII Method	
9	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
11	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
12	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
14	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
15	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
19	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
20	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
23	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
24	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
25	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
26	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
28	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
29	Negative	C/L	Negative	L	Positive	C/L	Negative	L	Positive	C/L	Positive	CL	
34	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
38	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
39	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
41	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
42	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
45	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
48	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
51	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
54	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
58	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
62	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
100	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
101	Negative	L	Positive	L	Positive	L	Negative	L	Positive	L	Positive	L	
112	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
114	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
115	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
117	Negative	E/L	Negative	E/L	Equivocal	L	Negative	E/L	Positive	E/L	Positive	E/L	
120	Negative	C/L	Negative	C/L	Positive	L	Negative	C/L	Positive	L	Positive	L	
127	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
128	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
133	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
136	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
139	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
143	Negative	L	Negative	L	NT	L	Negative	L	Positive	L	Positive	L	
147	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
153	Negative	FCXM	Negative	L	Negative	FCXM	Negative	L	Positive	FCXM	Positive	L	
154	Negative	C/L	Positive	L	Positive	L	Negative	L	Positive	L	Positive	L	
159	Negative	C/L	Negative	L	Positive	L	Negative	L	Positive	C/L	Positive	L	
160	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
162	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
163	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
164	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
169	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
181	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
186	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
188	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
190	Positive	L	Positive	L	Positive	L	Negative	L	Positive	L	Positive	L	
191	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
193	Negative	L	Positive	L	Positive	L	Negative	L	Positive	L	Positive	L	
194	Negative	C/L	Negative	L	Negative	C/L	Negative	L	Positive	L	Positive	L	
195	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
204	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
205	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
206	Negative	C/L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
209	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
212	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
214	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	
215	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
216	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
217	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
222	Negative	F	Negative	F	Negative	F	Negative	F	Positive	F	Positive	F	
223	Negative	C	Negative	C	Negative	C	Negative	C	Positive	C	Positive	C	
227	Negative	C/L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
229	No results returned												No results returned
230	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
231	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
232	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
238	Negative	C/L	Negative	L	Positive	L	Negative	L	Positive	C/L	Positive	L	
239	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
240	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
241	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
242	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	
245	Positive	L	Positive	L	Positive	L	Negative	L	Positive	L	Positive	L	
252	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
259	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
262	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
264	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
268	Negative	C/L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
273	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
284	Negative	C/L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
292	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
293	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
294	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
297	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
301	No results returned												No results returned
302	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
303	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
309	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
311	Negative	C/L	Negative	L	Positive	L	Negative	L	Positive	C/L	Positive	L	
315	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
318	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
322	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
323	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
335	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
345	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	
351	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	
361	NT	L	NT	L	NT	L	NT	L	NT	L	NT	L	
374	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	

SAMPLES 607-12/2017 DESPATCHED ON 26TH SEPTEMBER 2017

UK NEQAS for H&I Scheme 6 - HLA Antibody Detection

IgG Results													
SUMMARY OF RESULTS													
Total tested	98	94	97	94	97	94							
Positive	8	11	15	80	19	28							
Negative	90	83	82	14	78	66							
NT/Equivocal	1	2	2	2	2	2							
% Positive	8.2%	11.7%	15.5%	85.1%	19.6%	29.8%							
% Negative	91.8%	88.3%	84.5%	14.9%	80.4%	70.2%							
Consensus	Negative	Negative	Negative	Positive	Negative	Not Assessed							
610/2017													
Lab No.	CI	CII	CII	CI	CII	CII	611/2017				Comments		
	IgG	Method	IgG				Method	IgG	Method	IgG		Method	
9	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
11	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
12	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
14	Positive	L	Positive	L	Negative	L	Positive	L	Positive	L	Positive	L	
15	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
19	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
20	Positive	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
23	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
24	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
25	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
26	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
28	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
29	Negative	C/L	Negative	L	Negative	C/L	Negative	L	Negative	C/L	Positive	L	
34	Negative	L	NT	L	Negative	L	Positive	L	Positive	L	Positive	L	
38	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
39	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
41	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
42	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
45	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
48	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
51	Negative	L	Positive	L	Negative	L	Positive	L	Negative	L	Negative	L	
54	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
58	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
62	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	
100	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	
101	Positive	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
112	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	
114	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
115	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
117	Negative	E/L	Negative	E/L	Negative	E/L	Positive	E/L	Negative	E/L	Negative	E/L	
120	Negative	C/L	Negative	C/L	Negative	C/L	Positive	L	Negative	C/L	Negative	C/L	
127	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
128	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
133	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
136	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
139	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
143	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
147	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
153	Negative	F			Negative	F			Negative	F			
154	Negative	C/L	Negative	L	Negative	C/L	Positive	L	Negative	C/L	Negative	L	
159	Negative	C/L	Negative	L	Negative	C/L	Positive	L	Negative	C/L	Negative	L	
160	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
162	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
163	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
164	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
169	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	
181	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
186	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	
188	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	
190	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
191	Positive	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
193	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
194	Negative	C/L	Negative	L	Negative	C/L	Positive	L	Negative	C/L	Negative	L	
195	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
204	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
205	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
206	Negative	C/L	Negative	L	Negative	C/L	Positive	L	NT	L	NT	L	
209	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
212	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	
214	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	Positive	L	
215	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	
216	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	
217	Negative	L	Positive	L	Negative	L	Positive	L	Positive	L	Positive	L	
222	Negative	F	Negative	F	Negative	F	Negative	F	Negative	F	Negative	F	
223	Negative	C/L			Negative	C			Negative	C			
227	Negative	C/L	Negative	L	NT	L	NT	L	Negative	C/L	Negative	L	
229	No results returned												
230	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	
231	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
232	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
238	Negative	C/L	Negative	L	Negative	C/L	Negative	L	Negative	C/L	Negative	L	
239	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
240	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	
241	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	Negative	L	
242	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	
245	Positive	L	Negative	L	Negative	L	Positive	L	Positive	L	Negative	L	
252	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	
259	Negative	L	Negative	L	Positive	L	Positive	L	Negative	L	Positive	L	
262	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
264	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Positive	L	
268	Negative	C/L	Negative	L	Negative	C/L	Negative	L	Negative	C/L	Negative	L	
273	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	
284	Positive	L	Positive	L	Negative	C/L	Positive	L	Negative	C/L	Negative	L	
292	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
293	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	
294	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
297	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	
301	No results returned												
302	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	
303	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
309	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Positive	L	
311	Negative	C/L	Negative	L	Negative	C/L	Positive	L	Negative	C/L	Positive	L	
315	Negative	L	Negative	L	Negative	L	Positive	L	Negative	L	Negative	L	
318	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	Positive	L	
322	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Positive	L	
323	Negative	L	Negative	L	Negative	L	Positive	L	Positive	L	Negative	L	
335	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	
345	Negative				Negative				Negative				
351	Positive	L	Positive	L	Negative	L	Positive	L	Negative	L	Positive	L	
361	NT	L	NT	L	NT	L	NT	L	NT	L	NT	L	
374	Negative	L	Negative	L	Positive	L	Positive	L	Positive	L	Negative	L	

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Effective Date 20/10/16

UK NEQAS for H&I Scheme 6 - HLA Antibody Detection

SAMPLES 6 07-12/2017

DESPATCHED ON 26TH SEPTEMBER 2017

IgG Results - Additional Information

Lab No.	Methods used to test these samples:					Have the samples been treated?				
	CDC	Flow	ELISA	Luminex	Other	None	Dilution	Heat Inactivation	EDTA	Other
9										
11				Mix/Multi						Adsorb Out/SeraClean Beads
12				Mix/Multi		X				
14										
15				Mix/Multi					X	
19				Mix/Multi		X				
20										
23										
24				SA, Mix/Multi					X	Adsorb Out/SeraClean Beads (607, 608, 612 ONLY)
25										
26										
28				Mix/Multi	LCT	X				
29	X			SA, Mix/Multi						Adsorb Out/SeraClean Beads (608, 610, 611, 612)
34				SA, Mix/Multi					X	
38				Mix/Multi					X	
39				Mix/Multi						EDTA added to wash buffer
41										
42				Mix/Multi		X				
45				Mix/Multi						Adsorb Out/SeraClean Beads
48										
51				SA - 607,608,610 Mix/Multi					X	Adsorb Out/SeraClean Beads, SCL - 608
54										
58										
62				Mix/Multi		X				
100				SA, Mix/Multi		X				
101										
112				SA, Mix/Multi		X				
114										
115										
117			X	Mix/Multi		X				
120										
127				Mix/Multi		X				
128										
133				Mix/Multi				X		
136				Mix/Multi		X				
139				Mixed					X	
143										
147				Mix/Multi					X	
153										
154										
159										
160				Mix/Multi						Adsorb Out/SeraClean Beads
162										
163				Mix/Multi					X	
164										
169										
181				Mix/Multi		X				
186				Mix/Multi		X				
189										
190										
191										
193										
194										
195				Mix/Multi		X				
204										
205				Mix/Multi		X				
206										
209										
212										
214										
215										
216				Mix/Multi		X				
217										
222		X				X				
223										
227										
229										
230										
231										
232										
238	X			SA, Mix/Multi						With DTT for CDC
239										
240										
241										
242										
245										
252				Mix/Multi		X				
259				Mix/Multi						
262										
264				Mix/Multi			X			
268										
273				Mix/Multi		X				
284										
292										
293										
294				Mix/Multi		X				
297				Mix/Multi		X				
301										
302						X				
303				Mix/Multi					X	
309				Mix/Multi		X				
311										
315										
318										
322										
323				Mix/Multi					X	
335										
345		X				X				
351										
361										
374										

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UK NEQAS for H&I Scheme 6 - HLA Antibody Detection

SAMPLES 607-12/2017 DESPATCHED ON 26TH SEPTEMBER 2017

Lab	607/2017				608/2017				609/2017				#VALUE!				#VALUE!				#VALUE!			
	CI I	CI I	CI II	CI II	CI I	CI I	CI II	CI II	CI I	CI I	CI II	CI II	CI I	CI I	CI II	CI II	CI I	CI I	CI II	CI II	CI I	CI I	CI II	CI II
	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method	IgM	Method
38	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L	Negative	L
42	Negative	L			Negative	L			Negative	L			Negative	L			Negative	L			Negative	L		

IgM Results - Additional Information

Lab No.	Methods used to test these samples:					Have the samples been treated?				
	CDC	Flow	ELISA	Luminex	Other	None	Dilution	Heat Inactivation	EDTA	Other
38				Mix/Multi						X
42	X					X				

CDC % PRA OF 607-12/2017

	% PRA	% PRA	% PRA	T-cell	B-cell	PBL	T-cell	B-cell	PBL	T-cell	B-cell	PBL	T-cell	B-cell	PBL	T-cell	B-cell	PBL	T-cell	B-cell	PBL
42			31			0			0			6			0			0			