

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

SAMPLES 6 01-06/2018

DESPATCHED ON 19TH JUNE 2018

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		Commercial	60	90	Ethidium Bromide	Computerised	In House	6%, but can vary patient dependent. 10% CDC results are are used in conjunction with Class I ID and single antigen kits to determine specificities.
28	Microlymphocyte cytotoxicity test	T-Cells	Yes	Commercial	Selected	60	Commercial	30	60	Fluoroquench	Manual		
29	NIH	PBL	Yes	Commercial	Selected	58	Commercial	30	60	Fluoroquench	Manual		
42	NIH Standard	PBL T-Cells and B-Cells	No Yes	In House	Mixture Selected	40 36	Commercial Commercial	60 25	120 50	Fluoroquench Fluoroquench	Manual Computerised	Commercial	
136	NIH	PBL	No		Random	17	In House	30	60	Ethidium Bromide			Any positive results 3%
154	NIH	T-Cells	Yes	Commercial	Mixture	30	Commercial	30	60	Eosin	Manual		
227	DTT	PBL	No	In House	Random		Commercial	30	60	Fluoroquench	Manual		
294	AHG	T-Cells	Yes	Commercial	Selected	60	Commercial	30	60	Fluoroquench	Manual		

FLOW CYTOMETRY TECHNIQUE INFORMATION

Lab No	Flow Cytometer Model	Cell		Conjugate	Manufacturer	Conjugate	Manufacturer	Software	Manufacturer	Comments
		preparations	source							
222	BD FacsCantoll		One Lambda	Flow PRA Anti-Human IgG-FITC	One Lambda			BD FACSDiva	BD Biosciences	

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

Lab No	Positive control serum for Luminex testing?	Source	Every run?	Positive control serum If no:	Same serum? If no:	Samples stored prior to testing?	Conditions?	Storage time? (hours)	Methods used?	Serum treatment Dilution/ Other	Criteria?	
9	Yes	Sensitised patient sera	No	Positive control sera tested once a week	Yes	Sometimes	-20	>48	EDTA	Dilution		
11	Yes	Pooled sensitised patient sera	Yes		No	Yes	-40	>48	Adsorption beads			
12	Yes	Sensitised patient sera	Yes		Yes	Yes	-20	24-48	Adsorption beads	Dilution	High background serum (NC>500), despite treatment with Adsorb out.	
14	Yes	Sensitised patient sera	Yes		No	Sensitised patient control sera for each kit chosen by Ab profile	Always	-20	>48	Heat inactivation, EDTA		
15	Yes	Pooled HSP sera	Yes		Yes	Yes	2-8	<24	EDTA			
19	Yes	Pooled multispecific patient sera	Yes		Yes	Yes	2-8	24-48	EDTA			
20	Yes	Sensitised patient sera	Yes		No	Selected based on type of test used to ensure reactivity with beads within each test.	Always	-50	>48	EDTA, Adsorption beads		
23	Yes	Positive patient sera diluted	Yes		Yes	Always	-30	>48	EDTA		NC >1500	
24	No					Yes	-30	24-48	EDTA, Adsorption beads			
25	Yes	Sensitised patient sera	Yes		Yes	Yes	2-8	<24	EDTA			
26	Yes	Sensitised patient sera	Yes		No	C1q kit uses supplied manufacturers pos control	Yes	-20	>48	EDTA, Adsorption beads	Dilution	Sera clean for samples with high background. EDTA for 1:10
28	Yes	Manufacturer	Yes		No	Kit Dependent	Sometimes	3-5	<24	N/A	Other	EDTA used for all SAB tests
29	Yes	Sensitised patient sera	Yes		No		Sometimes	-40	24-48	EDTA		
34	Yes	Sensitised patient sera	Yes		No				EDTA			
35	Yes	Sensitised patient sera	Yes		Yes				EDTA			
38	Yes	Sensitised patient sera	Yes		No	LifeCodes pos control	Always	-30	24-48	EDTA		
39	Yes	Pooled sera from HSP	Yes		Yes		Always	-40	>48	EDTA, Adsorption beads		
41	Yes	Sensitised patient pool	Yes		No	No external pos run with single antigen testing	Yes	-80	>48	EDTA		
42	Yes	Sensitised patient sera	Yes		Yes		Sometimes	-40	24-48	EDTA, Adsorption beads		
45	Yes	Pooled sensitised patient sera	Yes		Yes		Always	Frozen	>48	EDTA, Adsorption beads		
48												
51												
54	No	Pooled sensitised patient sera				Always	-20	>48	EDTA, Adsorption beads			
58	Yes	Sensitised patient sera, Manufacturer	Yes		Yes	Always	-15 to -20	>48	EDTA	Fetal calf serum added to 5% of total		
62	Yes	Pooled sensitised patient sera	Yes		No	Always	-70	>48	N/A			
100	Yes	Manufacturer	Yes		No	Pos control is assay specific	Always	-20	>48	N/A		
112												
114												
115												
117												
120	Yes	Pooled positive sera from plasma donors	Yes		No	Used only for LSM12 kits	Always	-20	24-48	EDTA, Adsorption beads		NC baseline >500 and/or PC baseline >4000
127												
128												
133	Yes	Manufacturer	Yes		Yes	Always	-20	>48	EDTA			
136	Yes	Sensitised patient pool	Yes		Yes	Always	-20	>48	N/A		All samples, Adsorb Out, ratio 1/10	
142	Yes	Manufacturer	Yes		No	We do not use the same positive control for screening and specificities	Always	5	24-48	N/A		
143	No					Always	-20	>48	N/A			
149	Yes	From individuals shown to be alloimmunized to HLA antigens	Yes		Yes	Always	4	24-48	N/A	Dilution		
153												
154	Yes	Sensitised patient sera	Yes		No	Screening = Pos Class I and II serum	Always	4	>48	N/A		
159												
160	No					Always	-30	>48	Adsorption beads			
162												
169												
181												
186	Yes	Donor sera	Yes		Yes	Always	Frozen	24-48	N/A			
189												
191												
194												
195	Yes	Sensitised patient sera	Yes		No	Not the same for identification (simple antigen)	Yes	-80	>48	N/A		
204												
205	Yes		Yes					Fridge	N/A	Dilution		
206												
209												
212												
214	Yes	Manufacturer	Yes		Yes	Always	Frozen	>48	N/A	Dilution	Selected samples (high CONs), distilled water, 1/5 or 1/10	
215												
216	Yes	Kit specific	Yes		No	Kit dependent	Sometimes	Fridge	>48	N/A		
217												
222												
227	Yes	Sensitised patient sera	Yes		Yes	Always	-40	>48	EDTA, Adsorption beads	Dilution		
229	Yes	Manufacturer	Yes		Yes	Sometimes	-80	>48	N/A			
230	Yes	Manufacturer	Yes		Yes	Sometimes	-20	24-48	N/A			
231	No					No						
232	Yes	Manufacturer	Yes		Yes	Always	50	>48	N/A			
239												
240												
241												
242	No					Always	-25	>48	N/A			
252	Yes	Manufacturer	Yes		No	We use the positive control present in the kit for each test	No					
259	Yes	Sensitised patient sera, Manufacturer	Yes		Yes	Sometimes	-24	24-48	EDTA	Dilution	High background	
268	Yes	Sensitised patient sera, Manufacturer	Yes		No	Cut offs choice	Yes	-20	>48	EDTA		
273	Yes	Sensitised patients	Yes		Yes	Always	4	24-48	N/A			
284												
292												
293												
294	Yes	Manufacturer	Yes		Yes	Always	-20	24-48	N/A			
302												
303												
309	Yes	Manufacturer	Yes		No	Always	4	>48	N/A			
318												
322												
335												
345												
351												
361												
374												
396												
401												
406												

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

SAMPLES 6 01-10/2016

DESPATCHED ON 26TH JANUARY 2016

LUMINEX TECHNIQUE INFORMATION - Ctd

Lab No	Incubation times?		Wash step details		First wash step		Second wash step		Buffer removed by	Software	Min bead count	Data analysis	
	Manufacturers instruction	Other	Wash medium	Anything added	Washes	Volume (µl)	Washes	Volume (µl)				Min pos control bead MFI	High background criteria
9	Yes		Supplied	No	5		5		Vacuum Manifold	Fusion	50	500	NC >500
11	Yes		Supplied	No	3	200	2	200	Centrifuge	Fusion	50	1000	>1000
12	Yes		Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	> 500	NC >500
14	Yes		Supplied	EDTA	3	200	2	200	Centrifuge	Fusion	50	5000	Neg MFI >500, Pos/Neg ratio <2
15	Yes		Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion	50	PC/Nc >2	NC >1500
19	Yes		Supplied	No	5	200	5	200	Vacuum Manifold	Fusion	50	3500	>1500
20	Yes		Supplied	No	5	175	5	175	Centrifuge	Fusion	50	2000	NC >500MFI
23	Yes		Supplied	No	3	200	2	200	LabXpress	Fusion	50	500	>1500
24	Yes		Supplied	No	5	220	5	220	Vacuum Manifold	Fusion	50	>500	NC >500
25	Yes		Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion	50	5000	>750
26	Yes		Supplied	No	4	100	4	100	Vacuum Manifold	Fusion	30	500	NC >1500
28	Yes		Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	100	≥10000	Manufacturer
34	Yes		Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion	50	3000	NC >500
35	Yes		Supplied	EDTA	3	200	2	200	Centrifuge	Fusion	50	500	Adsorb out
38	Yes	Modified Halifax Assay	Supplied	No	3	200	2	200	Centrifuge	Fusion	50	5000	NC >500
39	Yes		Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion	50	1500	>500
41	Yes		Supplied	No	4	200	3	200	LabXpress	Fusion	50	5000	NC >1500
42	Yes		Supplied	No	3	200	3	200	Vacuum Manifold	Fusion	50	5000	>500
45	Yes		Supplied	No	4	200	4	200	Vacuum Manifold	Fusion and IH	50	5000	>500
48													
51													
54	Yes		Supplied	No	3	200	4	200	Centrifuge	Fusion	40	1500	NC >500MFI
58	Yes		Supplied	No	Kit Dependent	Kit Dependent	Kit Dependent	Kit Dependent	Vacuum Manifold	Fusion	40	Kit Dependent	Kit Dependent
62	Yes		Supplied	No	5	200	5	200	Vacuum Manifold	Fusion	50	500	>500
100	Yes		Supplied	No	3	250			Vacuum Manifold	MatchIT	50	10000MFI control serum	3 control beads above normal range
112													
114													
115													
117													
120	Yes		Supplied	No	3	150	2	200	Centrifuge	Fusion	50	4000	NC >500MFI
127													
128													
133	Yes		Supplied	No	3	250			Vacuum Manifold	MatchIT	60	10000	>1000
136	Yes		Supplied	No	3	150	2	150	Centrifuge	Fusion	50	MFI >1000	MFI >500
142	Yes		Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	500	1500
143	Yes		Supplied	No	3	150	2	200	Centrifuge	Fusion	100	3000	NC >1500MFI
149	Yes		Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	60	10000	High con 1
153													
154	Yes		Supplied	No	5	175	6	175	Vacuum Manifold	Fusion	50	1500	NC >500MFI
159													
160	Yes		Supplied	No	3	150	2	200	Centrifuge	Fusion	100	5000	NC>500 MFI
162													
169													
181													
186	Yes		Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	5000	NC <500
189													
191													
194													
195	Yes		Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	100		MFI ≥500
204													
205	Yes		Supplied	No		150		1x100, 3x250	Vacuum Manifold	MatchIT	60	PC ≥10000	>1000
206													
209													
212													
214	Yes		Supplied	No	3	250			Vacuum Manifold	MatchIT	60	10000	>1000
215													
216	Yes		Supplied	No	3	250	1	150	Vacuum Manifold	MatchIT	100	5000	
217													
222													
227	Yes		Supplied	EDTA	5	175	5	175	Vacuum Manifold	Fusion	50	1000	NC > 500
229	Yes		Supplied	No	1	150	3	250	Vacuum Manifold	MatchIT	>300	>10000	If CON value too high
230	Yes		Supplied	No	3	250			Vacuum Manifold	MatchIT	100	10000	Manufacturer
231	Yes		Supplied	No	1	100	3	250	Vacuum Manifold	Luminex	500	1500	
232	Yes		Supplied	No	4	250			Vacuum Manifold	MatchIT	80	5000	Internal control values
239													
240													
241													
242	Yes		Supplied	Wash buffer	1	100	3	750	Vacuum Manifold	MatchIT	100	1500	
252	Yes		Supplied	No	4	first 100 (250 later)			Vacuum Manifold	MatchIT			
259	Yes		Supplied	No	1	150	3	250	Vacuum Manifold	MatchIT	60	≥10000	>1000
268	Yes		Supplied	EDTA	5	175	5	175	Vacuum Manifold	Fusion	50	>500 or 2x NC	NC >500 or > all beads for same sample
273	Yes		Supplied	No	5	175	5	175	Vacuum Manifold	Fusion	50	>500	NC >500
284													
292													
293													
294	Yes		Supplied	No	1	100	3	250	Vacuum Manifold	MatchIT	60	>10000 PC and NC, >3500 sample patient	Con >range
302													
303													
309	Yes		Supplied	No	3				Vacuum Manifold	MatchIT	60	3500	NC above range of kit
318													
322													
335													
345													
351													
361													
374													
396													
401													
406													

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

SAMPLES 6 01-03/2018 DESPATCHED ON 19TH JUNE 2011

IgG Results

		SUMMARY OF RESULTS											
Total tested	84	81	84	81	83	80	83	80	83	80	83	80	
Positive	78	79	8	80	8	80	8	7	8	7	8	7	
Negative	6	2	76	1	75	1	75	3	75	3	75	3	
NT/Equivocal	2	2	2	2	3	2	3	3	3	3	3	3	
% Positive	92.9%	97.5%	9.5%	98.8%	9.6%	98.8%	9.6%	8.8%	9.6%	8.8%	9.6%	8.8%	
% Negative	7.1%	2.5%	90.5%	1.2%	90.4%	1.2%	90.4%	91.3%	90.4%	91.3%	90.4%	91.3%	
Consensus	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	

Lab No.	601/2018				602/2018				603/2018				Comments
	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI	CI	
	IgG	Method	IgG	Method	IgG	Method	IgG	Method	IgG	Method	IgG	Method	
9	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
11	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
12	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
14	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
15	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
19	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	
20	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
23	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
24	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
25	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
26	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
28	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
29	Positive	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex, CDC	
34	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
35	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
38	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
39	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
41	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
42	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	
45	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
48	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
51	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
54	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
58	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
62	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
100	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
112	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
114	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
115	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
117	Positive	Luminex, ELISA	Positive	Luminex, ELISA	Negative	Luminex, ELISA	Positive	Luminex, ELISA	Negative	Luminex, ELISA	Negative	Luminex, ELISA	
120	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex, CDC	
127	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
128	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
133	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
136	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
142	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
143	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
149	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	
153	Positive	FCXM	Positive	FCXM	Positive	FCXM	Positive	FCXM	Negative	FCXM	Positive	FCXM	
154	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex	
159	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex	
160	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
162	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
169	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
181	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
186	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
189	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
191	Negative	Luminex	Negative	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
194	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex	
195	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
204	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
205	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
206	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
209	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
212	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
214	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
215													
216	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
217	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
222	Positive	FCM	Positive	FCM	Negative	FCM	Positive	FCM	Negative	FCM	Negative	FCM	
227	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex	
229	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	
230	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	
231	Negative	Luminex	Negative	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
232	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
230	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
240	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
241	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
242	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
252	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
259	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
268	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
273	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
284	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex	
292	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
293	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
294	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	Positive	Luminex, CDC	Negative	Luminex, CDC	Negative	Luminex	
302	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
303	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
309	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
318	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
322													
323													
335													
345	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	
351	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
361	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
374	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
396	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
401	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	
406													

Heat inactivation was used on samples for SA testing only.

Delivery issues.

6 03/2018: unable to determine PRA status due to high background. Would request new samples in routine diagnostic sample

After the release of LS-NC lot#19 that showed significantly higher reactivities against LSM12 beads (twice higher), we have reevaluated our cutoff and lowered it, leading to interpret samples 602 class I and 603 classes I and II as positive, when they would have been interpreted as negative before.

Samples held in customs. Not delivered.

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

SAMPLES 6 04-06/2018

DESPATCHED ON 19TH JUNE 2018

IgG Results

SUMMARY OF RESULTS

Total tested	83	81	84	81	84	80
Positive	36	81	84	81	80	31
Negative	47	0	0	0	4	49
NT/Equivocal	3	2	2	2	2	3
% Positive	43.4%	100.0%	100.0%	100.0%	95.2%	38.8%
% Negative	56.6%	0.0%	0.0%	0.0%	4.8%	61.3%
Consensus	Not Assessed	Positive	Positive	Positive	Positive	Not Assessed

Lab No.	604/2018				605/2018				606/2018				Comments
	CI IgG	CI Method	CI IgG	CI Method	CI IgG	CI Method	CI IgG	CI Method	CI IgG	CI Method	CI IgG	CI Method	
9	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
11	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
12	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
14	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
15	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
19	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
20	Negative	Luminex	Positive	Luminex	Positive	Luminex, CDC	Positive	Luminex, CDC	Positive	Luminex	Negative	Luminex	
23	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
24	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
25	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
26	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
28	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
29	Positive	Luminex, CDC			Positive	Luminex, CDC			Positive	Luminex, CDC			
34	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
35	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
38	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
39	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
41	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
42	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
45	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
48	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
51	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
54	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
58	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
62	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
100	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
112	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
114	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
115	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
117	Positive	Luminex, ELISA	Positive	Luminex, ELISA	Positive	Luminex, ELISA	Positive	Luminex, ELISA	Positive	Luminex, ELISA	NT	NT	Sample 606 gave equivocal results for Class II.
120	Negative	Luminex, CDC	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex, CDC	
127	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
128	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
133	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
136	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
142	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
143	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
149	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
153	Negative	FCXM			Positive	FCXM			Positive	FCXM			
154	Negative	Luminex, CDC	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
159	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
160	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
162	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
169	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
181	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
186	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
189	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
191	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
194	Negative	Luminex, CDC	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
195	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
204	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
205	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
206	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
209	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	606 Class II is technically positive (weak) on Screening and Single Ag according to our cut-offs. After the release of LS-NC lot#19 that showed significantly higher reactivities against LSM12 beads (twice higher), we have reevaluated our cutoff and lowered it, leading to interpret samples 602 class I and 603 classes I and II as positive, when they would have been interpreted as negative before.
212	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
214	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
215													
216	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
217	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
222	Negative	FCM	Positive	FCM	Positive	FCM	Positive	FCM	Positive	FCM	Negative	FCM	
227	NT	NT	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	Class I HLA for sample 604/2018 was not tested because of technical failure.
229	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
230	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
231	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
232	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
239	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
240	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
241	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
242	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
252	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
259	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
268	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
273	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
284	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
292	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
293	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
294	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
302	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
303	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
309	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
318	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
322													
335													
345	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
351	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	
361	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Samples held in customs. Not delivered.
374	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
396	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
401	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex	
406													

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

SAMPLES 6 01-06/2018

DESPATCHED ON 19TH JUNE 2018

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				Luminex					EDTA	
11				Luminex		None				
12				Luminex		None				
14				Luminex				Heat Inactivation	EDTA	
15				Luminex					EDTA	
19	CDC			Luminex					EDTA	
20										
23				Luminex					EDTA	
24				Luminex		None				
25				Luminex					EDTA	
26				Luminex					EDTA	
28	CDC			Luminex		None				
29	CDC			Luminex		None				
34				Luminex					EDTA	
35				Luminex					EDTA	
38				Luminex					EDTA	
39				Luminex		None				
41				Luminex					EDTA	
42				Luminex					EDTA	
45				Luminex						Adsorb Out
48				Luminex		None				
51				Luminex					EDTA	
54				Luminex					EDTA	
58				Luminex		None				
62				Luminex		None				
100				Luminex		None				
112				Luminex		None				
114				Luminex		None				
115										
117			ELISA	Luminex		None				
120	CDC			Luminex					EDTA	
127				Luminex		None				
128				Luminex		None				
133				Luminex					EDTA	
136	CDC			Luminex		None				
142				Luminex		None				
143				Luminex		None				
149				Luminex		None				
153		Flow				None				
154	CDC			Luminex		None				
159	CDC			Luminex		None				
160				Luminex						Adsorb out
162				Luminex					EDTA	
169				Luminex		None				
181				Luminex		None				
186				Luminex		None				
189				Luminex		None				
191				Luminex						Frozen-Thaw, DTT
194	CDC			Luminex					EDTA	
195				Luminex		None				
204				Luminex					EDTA	
205				Luminex		None				
206				Luminex					EDTA	
209				Luminex		None				
212				Luminex		None				
214										
215										
216				Luminex		None				
217				Luminex		None				
222		Flow				None				
227	CDC			Luminex					EDTA	DTT
229				Luminex		None				
230				Luminex		None				
231				Luminex		None				
232				Luminex		None				
239				Luminex		None				
240				Luminex		None				
241				Luminex		None				
242				Luminex		None				
252				Luminex		None				
259				Luminex		None				
268	CDC			Luminex					EDTA	
273				Luminex		None				
284	CDC			Luminex					EDTA	
292				Luminex		None				
293				Luminex		None				
294	CDC			Luminex		None				
302				Luminex		None				
303				Luminex				Heat Inactivation	EDTA	
309				Luminex		None				
318				Luminex		None				
322										
335										
345		Flow				None				
351				Luminex					EDTA	
361										
374				Luminex		None				
396				Luminex						
401				Luminex		None				
406										

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

SAMPLES 6 01-03/2018

DESPATCHED ON 19TH JUNE 2018

Lab	601/2018				602/2018				603/2018			
	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
9	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex
20	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC
38	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex
42	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC
120	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC
154	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
159	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
162	Negative	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex
169	NT		NT		NT		NT		NT		NT	
181	NT		NT		NT		NT		NT		NT	
189	Negative	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex
191	NT		NT		NT		NT		NT		NT	
194	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
215												
217	NT		NT		NT		NT		NT		NT	
227	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
268	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
284	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
322												
335												
374	Positive	Luminex	Positive	Luminex	Negative	Luminex	Positive	Luminex	Negative	Luminex	Negative	Luminex
406												

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

SAMPLES 6 04-06/2018

DESPATCHED ON 19TH JUNE 2018

Lab	604/2018				605/2018				606/2018			
	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
9	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex
20	Negative	CDC	Negative	CDC	Positive	CDC	Positive	CDC	Negative	CDC	Negative	CDC
38	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex	Negative	Luminex
42	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC
120	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC	Negative	CDC
154	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
159	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
162	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex
189	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex
194	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
215												
227	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
268	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
284	Negative	CDC	NT		Negative	CDC	NT		Negative	CDC	NT	
322												
335												
374	Negative	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Positive	Luminex	Negative	Luminex
406												

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

SAMPLES 6 01-06/2018

DESPATCHED ON 19TH JUNE 2018

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
9				Luminex					EDTA	
20				Luminex					EDTA	
38				Luminex					EDTA	
42				Luminex					EDTA	
120	CDC									
154	CDC					None				
159	CDC									Pure and DTT
162				Luminex					EDTA	
189				Luminex		None				
194	CDC					None				
215										
227	CDC									DTT
268	CDC									AGH
284	CDC									DTT
322										
335										
374				Luminex		None				
406										