

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

Samples 306-310/2015 DESPATCHED ON 23RD JUNE 2015

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				Cedarlane	60	45	EB	Computerised	In-House	
35	NIH	T-cells	Yes	One Lambda	Selected	28	Cedarlane	30	60	Fluoroquen	Manual		
42	Extended NIH	PBL	No		Mixture		TCS Biosciences	60	120	Fluoroquen	Manual		
116	NIH	B-cells		Biorad	Selected		Biorad	60	120	EB/AO	Manual		
136	NIH	PBL	No		Selected	45	In-House	30	60	EB/AO	Computerised		
147	Microlymphocytotoxicity	PBL	Yes	In-House	Selected	36	In-House	30	60	Fluoroquen	Manual/Computerised		
159	Classic CDC	PBL	No		Selected	30	In-House	30	60	Fluoroquen	Computerised		
194	CDC	PBL	No		Selected	41	In-House	30	60	Fluoroquen	Computerised		
206	NIH	PBL	No		Selected	30	Cedarlane			Fluoroquen	Manual		
209	NIH	PBL	Yes	Servibio	Selected	30	Servibio	30	75	Fluoroquen	Manual		
268	CDC AGH	T-cells	Yes	Gentrak	Selected		Gentrak	30	60	EB/AO	Manual		
284	CDC	PBL		In-House	Selected	30	Cedarlane	45	60	EB/AO	Manual		
294	AHG	FCT60 Sera Screen	Yes	Gentrak		60	Gentrak	30	60	Fluoroquen	Manual		

EB - ethidium bromide
AO - acridine orange
PI - propidium iodide
Hb - haemoglobin
CFDA - carboxyfluorescein diacetate

FLOW CYTOMETRY TECHNIQUE INFORMATION

Lab No	Flow Cytometer Model	Cell		Conjugate	Manufacturer	Software	Manufacturer
		preparations (number)	source				
165	FACSCalibur		B-cell line	IgG	ThermoFisher		

ELISA TECHNIQUE INFORMATION

Lab No	ELISA kit used	Batch No	Manufacturer	ELISA kit used	Batch No	Manufacturer	ELISA kit used	Batch No	Manufacturer	Comments
117	LAT1288	007	One Lambda							
165	LAT1288	007	ThermoFisher							

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LUMINEX TECHNIQUE INFORMATION																																				
Lab No	Kit used	Batch no.	Manufacturer	Software	Bead vol (µl)	Serum vol (µl)	Kit used	Batch no.	Manufacturer	Software	Bead vol (µl)	Serum vol (µl)	Kit used	Batch no.	Manufacturer	Software	Bead vol (µl)	Serum vol (µl)	Kit used	Batch no.	Manufacturer	Software	Bead vol (µl)	Serum vol (µl)	Kit used	Batch no.	Manufacturer	Software	Bead vol (µl)	Serum vol (µl)	Comments					
9	LS1A04	009	One Lambda	HLA Fusion	2	20	LS2A01	010	One Lambda	HLA Fusion	2	20	LSAI	02105C	Lifecodes	MatchIT	20	5	LSAII	09034A	Lifecodes	MatchIT	20	5												
11	LSM12	020	One Lambda	HLA Fusion	2	8	LS1A04	009	One Lambda	HLA Fusion	1.5	8	LS2A01	010	One Lambda	HLA Fusion	1.5	8																		
12	LSM12	009	One Lambda	HLA Fusion	3	20	LS2A01	010	One Lambda	HLA Fusion	3	20																								
14	LSM12	019	One Lambda	HLA Fusion	2	10	LS1A04	009	One Lambda	HLA Fusion	2	10	LS2A01	010	One Lambda	HLA Fusion	2	10																		
15	LS1A04	009	One Lambda	Fusion 3.4	2	8	LS2A01	010	One Lambda	Fusion 3.4	2	8																								
19	LS1A04	009	One Lambda	Fusion 3	2	8	LS2A01	010	One Lambda	Fusion 3	2	8																								
20	LS1A04	009	One Lambda	HLA Fusion v2	2	8	LS2A01	010	One Lambda	HLA Fusion v2	2	8																								
23	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10																								
24	LS1PRA	016	One Lambda	HLA Fusion	3.5	14	LS2PRA	015	One Lambda	HLA Fusion	3.5	14	LS1A04	009	One Lambda	HLA Fusion	3	12	LS2A01	010	One Lambda	HLA Fusion	3	12	LSAI	02105C	Immucor	MatchIT	20	5	LSAII	01145C	Immucor	MatchIT	20	5
25	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10	LSAI	12164H	One Lambda	HLA Fusion	2	8																		
26	LS1A04	009	One Lambda	HLA Fusion	2	8	LS2A01	010	One Lambda	HLA Fusion	2	8																								
34	LSM12	020	One Lambda	HLA Fusion	5	20	LS1A04	009	One Lambda	HLA Fusion	2	8	LS2A01	010	One Lambda	HLA Fusion	2	8	LM1	3002246	Immucor	Quicktype	5	12.5	LM2	3002419	Immucor	Quicktype	5	12.5						
35	LSM12	019	One Lambda	HLA Fusion	2.5	20	LS1A04	009	One Lambda	HLA Fusion	2.5	20	LS2A01	010	One Lambda	HLA Fusion	2.5	20	LSAI	12164J	Immucor	MatchIT	2.5	20												
38	LS1A04	009	One Lambda	HLA Fusion	2.5	20	LS2A01	010	One Lambda	HLA Fusion	2.5	20																								
39	LS1A04	009	One Lambda	HLA Fusion	2	8	LS2A01	010	One Lambda	HLA Fusion	2	8																								
41	LS1A04	009	One Lambda	HLA Fusion	2.5	20	LS2A01	010	One Lambda	HLA Fusion	2.5	20																								
42	LSM12	020	One Lambda	HLA Fusion	2	10	LS1A04	009	One Lambda	HLA Fusion	2	10	LS2A01	010	One Lambda	HLA Fusion	2	10																		
45	LSM12	019	One Lambda	HLA Fusion	2.5	10	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10																		
48	LS1A04	009	One Lambda	HLA Fusion	3	12	LS2A01	010	One Lambda	HLA Fusion	3	12	LM1	30022246	Lifecodes	MatchIT	2	8	LM2	3002419	Lifecodes	MatchIT	2	8												
51	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10	LSM12	020	One Lambda	HLA Fusion	2.5	20																		
54	LSM12	020	One Lambda	HLA Fusion	2	8	LS1A04	009	One Lambda	HLA Fusion	2	8	LS2A01	010	One Lambda	HLA Fusion	2	8																		
60	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10	LM2	99034A	Immucor	MatchIT	20	10	LSM12	020	One Lambda	HLA Fusion	2.5	10	LMX	3002691	Immucor	MatchIT	5	12.5						
62	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10																								
100	LSAI	02105C	Immucor	MatchIT	40	10	LSAI	01145C	Immucor	MatchIT	40	10	LM1	3002246	Immucor	MatchIT	5	12.5	LM2	3002130	Immucor	MatchIT	5	12.5												
101	LS1A04	009	Ingen	Fusion	4	16	LS2A01	010	Ingen	Fusion	4	16																								
112	LSAI	02105C	Immucor	MatchIT	40	10	LSAI	01145C	Immucor	MatchIT	40	10	LS1A04	009	One Lambda	HLA Fusion	5	20																		
114	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10																								
116	LSM12	020	One Lambda	HLA Fusion	5	20	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																		
117	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
119	LSM12	020	One Lambda	HLA Fusion	5	20	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																		
120	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
136	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10																								
139	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	011	One Lambda	HLA Fusion	5	20																								
142	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	011	One Lambda	HLA Fusion	5	20																								
143	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
145	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
147	LSM12	019	One Lambda	HLA Fusion	5	20	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																		
149	LSAI		Genprobe	MatchIT	40	10	LSAI		Genprobe	MatchIT	40	10																								
157	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10																								
159	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
162	LSM12	019	One Lambda	HLA Fusion	2	10	LS1A04	009	One Lambda	HLA Fusion	2	10	LS2A01	010	One Lambda	HLA Fusion	2	10																		
163	LS1A04	008	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
164	LSM12	019	One Lambda	HLA Fusion	5	20	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																		
165	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
169	LS1A04	009	One Lambda	HLA Fusion	2.5	20	LS2A01	010	One Lambda	HLA Fusion	2.5	20																								
181	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																								
185	LMX	3002691/3002690	Immucor	MatchIT	5	12.5	LM1	3002580/3002547	Immucor	MatchIT	5	12.5	LM2	3002419/3002383	Immucor	MatchIT	40	10	LSAI	02105C/01195B	Immucor	MatchIT	40	10	LSAI	01145C/12174F	Immucor	MatchIT	40	10						
186	LS1A04	00																																		