

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

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

CDC METHODOLOGY FOR SAMPLES 301-305/2015

DESPATCHED ON 10TH FEBRUARY 2015

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		B-cells	No		Random		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	37	TCS Biosciences	60	120	EB/AO	Manual		
114	NIH	PBL	No		Random	50	One Lambda	30	60	EB/AO	Computerised	One Lambda	
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	One Lambda	
139	NIH	PBL	Yes	Gentrak	Mixture	30	Cedarlane	30	60	Eosin	Manual		
147	Microlymphocytotoxicity	PBL	Yes	In-House	Selected	37	In-House	30	60	EB/AO	Manual/Computerised	One Lambda	
159	Classic CDC	PBL	No		Selected	30	In-House	30	60	Fluoroquen	Computerised	One Lambda	
162	Extended NIH	PBL	No		Selected	50	Cedarlane	60	120	Fluoroquen	Computerised	One Lambda	
164	NIH	T-cells	Yes	Gentrak		60	Gentrak	45	90		Manual		
194	CDC	PBL	Yes		Selected	41	In-House	30	60	Fluoroquen	Computerised	Commercial	
206	NIH	PBL	No		Selected	30	Cedarlane	30	90	Fluoroquen	Manual		
209	NIH	PBL	Yes	Servibio	Selected	30	Servibio	30	75	Fluoroquen	Manual		
238	LCT	PBL	No		Selected	44	Invitrogen	30	60	Fluoroquen	Computerised	One Lambda	
268	CDC AGH	T-cells	Yes	Gentrak	Random		Gentrak	30	60	EB/AO	Manual		
284	CDC	PBL			Selected		Cedarlane	45	60	EB/AO	Manual		
294	AHG	T-cells	Yes	Gentrak		60	Gentrak	30	60	Fluoroquen	Manual		
311													

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

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FLOW CYTOMETRY METHODOLOGY FOR SAMPLES 301-305/2015

DESPATCHED ON 10TH FEBRUARY 2015

Lab No	Flow Cytometer Model	Cell		Conjugate	Manufacturer	Software	Manufacturer
		preparations (number)	source				
101	FACSCalibur		B-cell lines, One Lambda FlowPRA	LS-AB2 lot B56 PE - Conjugated goat anti-human IgG IgG	Thermofisher		
165							

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ELISA METHODOLOGY FOR SAMPLES 301-305/2015

DESPATCHED ON 10TH FEBRUARY 2015

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 METHODOLOGY FOR SAMPLES 301-305/2015

DESPATCHED ON 10TH FEBRUARY 2015

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)	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																											
11	LSM12	019	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	LS1A04	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																					
19	LS1A04	009	One Lambda	HLA Fusion	2	8	LS2A01	010	One Lambda	HLA Fusion	3	8																											
20	LS1A04	009	One Lambda	HLA Fusion	2	8	LS2A01	010	One Lambda	HLA Fusion	2	8																											
23	LSM12	019	One Lambda	HLA Fusion	5	20	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																					
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	3.5	14	LS2A01	010	One Lambda	HLA Fusion	3	12	LSAII	06164B	Immucor	MatchIT	20	5	LSAII	09034A	Immucor	MatchIT	20	5			
25	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10	LSAI	06164B	One Lambda	HLA Fusion	2.5	10	LSAI	06164B	One Lambda	HLA Fusion	2.5	10	LSAI	06164B	Immucor	MatchIT	20	5	LSAII	09034A	Immucor	MatchIT	20	5			
26	LSM12	019	One Lambda	HLA Fusion	2.5	20	LS1A04	009	One Lambda	HLA Fusion	2.0	8	LS2A01	010	One Lambda	HLA Fusion	2.0	8	LMX	3001955	One Lambda	HLA Fusion	2.5	20															
28	LS1A04	009	One Lambda	HLA Fusion	3	20	LS2A01	010	One Lambda	HLA Fusion	3	20																											
34	LSM12	019	One Lambda	HLA Fusion	5	20	LS1A04	008	One Lambda	HLA Fusion	2	8	LS2A01	010	One Lambda	HLA Fusion	2	8	LM1	3002246	One Lambda	HLA Fusion	5	20															
35	LSM12	019	One Lambda	HLA Fusion	2.5	20	LS1PRA	015	One Lambda	HLA Fusion	2.5	20	LS1A04	008	One Lambda	HLA Fusion	2.5	20	LS2A01	010	One Lambda	HLA Fusion	5	20															
38	LS1A04	008	One Lambda	HLA Fusion	2.5	20	LS2A01	015	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	008	One Lambda	HLA Fusion	2.5	20	LS2A01	010	One Lambda	HLA Fusion	2.5	20																											
42	LSM12	019	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	3002047	One Lambda	HLA Fusion	2	8	LM2	3002130	One Lambda	HLA Fusion	2	8															
51	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																					
54	LS1A04	008 + 009	One Lambda	HLA Fusion	2	5	LS2A01	010	One Lambda	HLA Fusion	2	5																											
58	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10	LM2	09034A	One Lambda	HLA Fusion	2.5	10	LM2	09034A	Immucor	MatchIT	20	10	LSM12	019 + 020	One Lambda	HLA Fusion	2.5	10	LMX	3002119	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	09034A	Immucor	MatchIT	40	10	LM1	3002047	Immucor	MatchIT	5	12.5	LM2	3002130	Immucor	MatchIT	5	12.5															
101	LS1A04	008	Immucor	MatchIT	4	10	LS2A01	010	Immucor	MatchIT	4	10																											
112	LSAI	06164B	Immucor	MatchIT	40	10	LSAI	09034A	Immucor	MatchIT	40	10	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	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	019	One Lambda	HLA Fusion	5	20	LS2A01	010	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	010	One Lambda	HLA Fusion	5	20																											
142	LS1A04	009	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																											
143	LS1A04	008	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																											
145	LSM12	019	One Lambda	HLA Fusion	5	20	LS1A04	008	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20															
147	LSM12	009	One Lambda	HLA Fusion	5	20	LS1A04	008	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																					
149	LSAI	02105C	Immucor	MatchIT	40	10	LSAI	09034A	Immucor	MatchIT	40	10																											
157	LS1A04	009	One Lambda	HLA Fusion	2.5	10	LS2A01	010	One Lambda	HLA Fusion	2.5	10																											
159	LS1A04	008	One Lambda	HLA Fusion	5	20	LS2A01	010	One Lambda	HLA Fusion	5	20																											
162	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																					
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	008	One Lambda	HLA Fusion	5	20	LS2A01																										