

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

CDC METHODOLOGY FOR SAMPLES 306-310/2014

DESPATCHED ON 17TH JUNE 2014

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		Cedar Lane	30	45	EB/AO	Computerised	In-house	
29	NIH	PBL/T-cells	Yes	One Lambda	Selected		Cedar Lane	30	60	AO/EB (Fluoroquench)	Manual		
35	NIH	T-cells	Yes	One Lambda	Selected		Cedar Lane	30	60	Fluoroquench	Manual		
42	Extended NIH	PBL	No		Mixture		TCS Biosciences			EB/AO	Manual		
114	NIH	PBL	No		Random	50	One Lambda	30	60	AO/EB (Fluoroquench)	Computerised	One Lambda	
116	NIH	B-cells	Yes	BioRad	Selected	30	Cedar Lane	60	120	EB/AO	Manual		CDC technique used for antibody screening only
136	NIH	PBL	No		Mixture	45	In-house	30	60	EB/AO	Computerised	One Lambda	
139		PBL	Yes	Gentrak			Cedar Lane	30	60	Eosine Yellow	Manual		
147	Microlymphocytotoxicity	PBL	Yes	In-house	Selected		In-house	30	60	Fluoroquench	Manual/Computerised	One Lambda	
159	Classic CDC	PBL	No		Selected		In-house	30	60	Fluoroquench	Computerised	One Lambda	
162	Extended NIH	PBL	No		Selected	35	Cedar Lane	60	120	Fluoroquench	Computerised	One Lambda	
164	NIH	T-cells	Yes	Gentrak	Selected	60	Gentrak	45	90	Fluoroquench	Manual		
186	AHG	T-cells	Yes	Gentrak		60	Gentrak	30	60	Fluoroquench	Manual		FCT 60 Sec Screen
194	CDC	PBL	Yes		Selected	41	In-house	30	60	Fluoroquench	Computerised	One Lambda	
209	NIH	PBL	Yes	Servibio	Selected	30	Servibio	30	75	Fluoroquench	Manual		
223	CDC	T-cells	No		Random		BioRad	45	60	EB/AO	Manual		
227		PBL	No		Random	30	Immucor	30	60	Fluoroquench	Manual		
268	AGH	T-cells	Yes	Gentrak	Selected		Gentrak	30	60	EB/AO	Manual		
284	CDC	PBL	No		Selected	30	Cedar Lane	45	60	EB/AO	Manual		With and without DTT treatment
311	NIH	T-cells	Yes	In-house	Selected	40	Servibio	30	60	Fluoroquench	Computerised	One Lambda	

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

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FLOW CYTOMETRY METHODOLOGY FOR SAMPLES 306-310/2014

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Lab No	Flow Cytometer Model	Cell		Conjugate	Manufacturer	Software	Manufacturer
		preparations (number)	source				
165	FACSCALIBAR		B-cell lines, One Lambda FlowPRA™	IgG	One Lambda		

