

Samples 306-310/2018 DESPATCHED ON 13 NOVEMBER 2018

COMPLEMENT DEPENDENT CYTOTOXICITY (CDC) TECHNIQUE INFORMATION

Lab	Technique	Cell	Frozen	In-house/	Panel		Complement	Volume added (μl per well)						Dead cell	Analysis	Software	Comments
No		source	trays	Commercial	Composition	Size	source	Cells	Sera	Complement	DTT	Pre-C'	Post-C'	visualisation	Procedures	Manufacturer	
20	NIH	B-cells	No		Random		Commercial	1	1	5	1	30+30	45	EB/AO	Computerised	In-house	
42																	
116	NIH	B-cells	Yes	Biorad	Selected	26	Biorad		2	5		60	140	EB/AO	Manual		
206	NIH	PBL	Yes	In-house	Selected		Cedarlane	1	1	6.6	1	30	90	Fluoroquench	Manual0		
268														•			

EB - ethidium bromide

AO - acridine orange

PI - propidium iodide

Hb - haemoglobin

CFDA - carboxyfluorescein diacetate

FLOW CYTOMETRY TECHNIQUE INFORMATION

Lab	Flow Cytometer	Cell		Conjugate	Manufacturer	Software	Manufacturer
No	Model	preparations (number)	source				
165							
222	FACS Canto II	(32)	One Lambda				
	FlowPR		FlowPRA TM				

ELISA TECHNIQUE INFORMATION

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

- Denotes previous methodology/No methodology received



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LUMINEX TECHNIQUE INFORMATION

LOMMITER I L	CHINIQUE INF	OHMATION																				
Lab Kit used No	All/Selected	Used for Criteria	Batch no.	Bead vol (µI)	Serum vol (µl)	Negati Source	ve Control Serum Details	Details of +/- cut off	Kit used	Batch no.	Bead vol (µl)	Serum vol (µl)	Negative Contr Source	rol Serum Details	Details of +/- cut off	Kit used	Batch no.	Bead vol (μl)	Serum vol (µl)	Negative Contro Source	ol Serum Details	Details of +/- cut off
9 LS1A04 11 LS1A04 12 LS1A04 14 LS1A04 15 LS1A04	ALL Selected ALL ALL ALL	CI Positives only	010 010 10 010	2 1.5 3 2 2	20 8 20 10 8	Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer	MAN	500 1000 1000	LS2A01 LS2A01 LS2A01 LS2A01 LS2A01	012 012 12 011	2.0 1.5 3 2 2	20 8 20 10 8	Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer	MAN	500 1000 1500 1000	LSM12 LSM12	021	2 3	8 20	Manufacturer Manufacturer		Ratio 2.5
19 20 LS1A04 23 LS1A04 24 LS1A04 25 LS1A04 26 LS1A04 28 LS1A04 34 LS1A04	ALL ALL Selected ALL Selected ALL ALL ALL ALL	Mixed/ PRA positive Positive LSM12	010 010 010 010 010 010 187280	2 2.5 3.0 2.5 2 3	8 10 12 10 8 20 8	In House Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer	LOT 19	1000 1000 1000 1000 1000 Rx6 as a guide 500 1000	LS2A01 LS2A01 LS2A01 LS2A01 LS2A01 LS2A01 LS2A01 LS2A01	12 12 012 012 012 012 188655 012	2 2.5 3.0 2.5 2 3	8 20 12 10 8 20 8	In House Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer	LOT 19	1000 1000 1000 1000 1000 Rx6 as a guide 500 1000	LSM12 LSM12 LSM12	021 021 021	3.5 5 2.5	14 20 20	Manufacturer Manufacturer		Ratio 4.5, 4.5 7.0/6.0 1500
35 LS1A04 38 LS1A04 39 LS1A04	ALL ALL Selected	For testing of multi positive samples	010 010	2 5 2.0	8 20 8.0	Manufacturer Manufacturer Manufacturer	019	1000 1000 ~1500	LS2A01 LS2A01 LS2A01	012 012 012 012	2 5 2.0	8 20 8.0	Manufacturer Manufacturer Manufacturer	019	1000 1000 ~1500	LSM12 LSAII	021 3005612	2 20	8 10	Manufacturer Manufacturer	019	1000 1000
41 LS1A04 42 45 LS1A04 48 LS1A04		Lab alternates between different manufacturers	10	5	20	Manufacturer Manufacturer		2000 1500 1500 (taken with clinical history)	LS2A01 LS2A01 LSAI	3005909	5 20	20	Manufacturer Manufacturer		2000 1500 None	LSM12 LSAII	3005996	20	8	Manufacturer		None
51 54 LS1A04 58 LS1A04 62 LS1A04 100 LSA1 112 LSAI	ALL ALL ALL ALL		010 010 011 3006346 3005842	2 2.5 2.5 40 40	8 10 10 10	Manufacturer Manufacturer Manufacturer Manufacturer	Companiel	750-1000 1000 >1500 Software Derived	LS2A01 LS2A01 LS2A01 LSAII LSAII	012 012 012 3006250 3005949	2 2.5 2.5 40 40	8 10 10 10	Manufacturer Manufacturer Manufacturer Manufacturer	Communical	750-1000 1000 >1500 Software Derived	LSM12 LSAII	3005996	20	10	Manufacturer		>750
112 LSAI 114 LS1A04 116 LS1A04 117 LS1A04 119 LS1A04 120 LS1A04 133 LSAI 136 LS1A04 142 LS1A04 143 LS1A04	ALL ALL Selected Selected ALL ALL ALL ALL ALL	mixed class I positive samples Positive LSM 12 CI I >5MFI SAB used for DSA identification	010 10 010 10 010 10 010	2.5 2.5 5 5 40 2.5 5	10 10 20 20 20 18 10 10 20 20	Manufacturer In House Manufacturer Manufacturer In House Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer	Commercial No negative control used	500 1000 1000 MFI > 500 1000 500MFI 500 1000 1000 1000MFI and CREG reaction pattern	LSAII LS2A01 LS2A01 LS2A01 LS2A01 LS2A01 LS2A01 LS2A01 LS2A01 LS2A01	011 012 012 11 012 012	2.5 2.5 5 5 40 2.5 5	10 20 20 20 20 18 10 10 20 20	Manufacturer In House Manufacturer Manufacturer In House Manufacturer Manufacturer Manufacturer	Commercial No negative control used	500 1000 1000 MFI > 500 1000 500MFI 500 1000 1000 1000MFI and CREG reaction pattern	LSM12 LSM12	021 021	2.5	20 20	Manufacturer Manufacturer		1.5 Ratio
145 LS1A04 149 LSAI 157 160 LS1A04	ALL ALL	SAB used for DSA Identification	010 3005291 010	5 40 4	20 10 20	Manufacturer Manufacturer Manufacturer Other	OLINS, NC provided by the HLA Fusion 3.0 analysis program	1000 1000	LS2A01 LSAII LS2A01	012 3005161 012	5 40 4	20 10 20	Manufacturer Manufacturer Manufacturer OLINS, NC provided by the HLA Fusion 3.0 analysis program		1000 1000 1000							
165 169 LS1A04 181 LS1A04 185 LM1 194 195 LS1A04	ALL ALL ALL		010 010	5 5 5	20 20 12.5	In House Manufacturer Manufacturer Manufacturer		1000 500 Manufacturer	LS2A01 LS2A01 LM2	012 012	5 5 5	20 20 12.5	In House Manufacturer Manufacturer Manufacturer		1000 500 Manufacturer	LMX		5	12.5	Manufacturer		Manufacturer
197 206 LS1A04 212 LM1 214 LSAI 216 LM1 218 LSAI 222	ALL Selected ALL ALL ALL	Kit validated for for use in lab	010 3005277 3006129 3005614	5 5 40 5	20 12.5 10 12.5 40	Manufacturer Manufacturer Manufacturer Manufacturer		1000 1000-1500 750 1000 Pattern reactivity +/- 1000 MFI	LS2A01 LM2 LSAII LM2 LSAII	012 3005268 3006250 3005634	5 5 40 5	20 12.5 10 12.5 40	Manufacturer Manufacturer Manufacturer Manufacturer		1000 1000-1500 750 1000 Pattern reactivity +/- 1000 MFI	LSAII						
227 LS1A04 229 230 LM1 232 LS1A04 242 LS1A04 252 LM1	ALL ALL Selected ALL		3006044 263271 20062017	5 5 5 5	20 12.5 20 20 12.5	Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer		1000 Baseline 1000 1200 1000 2000	LS2A01 LM2 LS2A01 LS2A01 LM2	3006146 260227	5 5 5 5	20 12.5 20 20 12.5	Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer		1000 Baseline 1000 1200 1000 2000	LSM12		5	20	Manufacturer		Ratio 3.6
267 LSAI 268 LS1A04 273 LS1A04 277 LS1A04 284 LS1A04	ALL ALL	Prescription by doctor	3005291 010 010 245715	40 5 5 4 5	10 20 20 16 20	Manufacturer Manufacturer In House	LSNC	2000 1500 500 1000	LSAII LS2A01 LS2A01 LS2A01 LS2A01	3005161 012 012 248233	40 5 5 4 5	10 20 20 16 20	Manufacturer Manufacturer In House	LSNC	2000 1500 500 1000	LSM12	245728	5	20	In-House		Ratio 4.5, 4.5
292 LS1A04 293 LS1A04 294 LSAI 302 LM1 303 LS1A04 309 LSAI 351 LS1A04 361 LSAI	ALL ALL ALL ALL ALL ALL		010 3006129 3006044 010 010 3006129	3 5 40 5 2.5 40 5	18 20 10 12.5 20 10 20	Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer Manufacturer	LCNC 018	>500 500 MFI Manufacturer 1000 1000 Use of manufacturer software	LS2A01 LS2A01 LSAII LM2 LS2A01 LSAII LS2A01 LSAII	012 3005930 3006146 012 012 3006250	3 5 40 5 2.5 40 5 40	18 20 10 12.5 20 10 20	Manufacturer Manufacturer Manufacturer Manufacturer 018 Manufacturer	LSNC	>500 500 MFI Manufacturer 1000 1000 Use of manufacturer software	LSM12	021	5	20	Manufacturer		C II: Ratio 2.3 Ratio >2.5

One Lambda
LS1PRA
LS2PRA
LS2PRA
LS12PRA
LS1A04
LS1A04
LS SA Class I
LS2A01
LS SA Class I

LABScreen PRA Class I LABScreen PRA Class I&II LABScreen PRA Class I&II LS SA Class I LS SA Class II LS Mixed Class I&II LABScreen Multi

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LSM12



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LUMINEX TECHNIQUE INFORMATION

		Batch no.				ontrol Serum Details							ontrol Serum Details								+/- cut off						Source		
ALL ALL Selected	Donors	017 08256N 008	3.5 20 5	14 5 20	Manufacturer Manufacturer Manufacturer		1000 1500 Varies	LS2PRA LSAII	016 09156A	3.5 20	14 5	Manufacturer Manufacturer		1000 1500	LSAI	3005842	20	5	Manufacturer		1500, BCR 3, AD-BCR 4	LSAII	3005930) 20	20	5	Manufacturer		1500, BCR 3, AD-BCF
ALL		11236A	20	10	Manufacturer		1000																						
ALL		3005614	2	8	Manufacturer		None	LM2	3005268	2	8	Manufacturer		None	LS2A01	012	2	8	Manufacturer		1500 (taken with clinical history)	LSM12	021	3	3	12			None
ALL		3006129	20	10	Manufacturer		>750																						
ALL			5	12.5	Manufacturer		Manufacture	r LSAI		40	10	Manufacturer		ADJ. Val >2	LSAII		40	10	Manufacturer		ADJ. Val >2								
ALL			5	12.5	Manufacturer		Raw 1000	LM2		5	12.5	Manufacturer		Raw 1000															
			5	20			2000	LS2PRA		5	20			2000															
	ALL ALL	ALL	ALL 11236A ALL 3005614 ALL 3006129	ALL 11236A 20 ALL 3005614 2 ALL 3006129 20 ALL 5	ALL 11236A 20 10 ALL 3005814 2 8 ALL 3006129 20 10 ALL 5 12.5	ALL 11238A 20 10 Manufacturer ALL 3005614 2 8 Manufacturer ALL 3006129 20 10 Manufacturer ALL 5 12.5 Manufacturer	ALL 11236A 20 10 Manufacturer ALL 3005614 2 8 Manufacturer ALL 3006129 20 10 Manufacturer ALL 5 12.5 Manufacturer	ALL 11236A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None ALL 3006129 20 10 Manufacturer >750 ALL 5 12.5 Manufacturer Raw 1000	ALL 11236A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None LM2 ALL 3006129 20 10 Manufacturer >750 ALL 5 12.5 Manufacturer Manufacturer LSAI	ALL 11236A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None LM2 3005288 ALL 3006129 20 10 Manufacturer >750 ALL ALL 5 12.5 Manufacturer Manufacturer LSAI ALL 5 12.5 Manufacturer Riaw 1000 LM2	ALL 11236A 20 10 Manufacturer 1000 LM2 3005268 2 ALL 3005614 2 8 Manufacturer None LM2 3005268 2 ALL 3006129 20 10 Manufacturer >750 Section 1 Manufacturer LSAI 40 ALL 5 12.5 Manufacturer Flaw 1000 LM2 5	ALL 11236A 20 10 Manufacturer 1000	ALL 11236A 20 10 Manufacturer 1000	ALL 11236A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None LM2 3005268 2 8 Manufacturer ALL 3006129 20 10 Manufacturer >750 ALL 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer	ALL 11236A 20 10 Manufacturer 1000 LM2 3005288 2 8 Manufacturer None ALL 3006129 20 10 Manufacturer >750 40 10 Manufacturer ADJ. Val >2 ALL 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer Raw 1000	ALL 11238A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None LM2 3005268 2 8 Manufacturer None LS2A01 ALL 3006129 20 10 Manufacturer >750 ALL 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer Raw 1000	ALL 11236A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None LM2 3005268 2 8 Manufacturer None LS2A01 012 ALL 3006129 20 10 Manufacturer S750 ALL 5 12.5 Manufacturer LSAI 40 10 Manufacturer ADJ. Val >2 LSAII ALL 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer Raw 1000	ALL 11236A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None LM2 3005268 2 8 Manufacturer None LS2A01 012 2 ALL 3006129 20 10 Manufacturer S750 ALL 5 12.5 Manufacturer Manufacturer LSA1 40 10 Manufacturer ADJ, Val >2 LSAII 40 ALL 5 12.5 Manufacturer Rew 1000 LM2 5 12.5 Manufacturer Rew 1000	ALL 1128A 20 10 Manufacturer 1000 ALL 3005614 2 8 Manufacturer None LM2 3005868 2 8 Manufacturer None LS2A01 012 2 8 ALL 5 12.5 Manufacturer Manufacturer LSA1 40 10 Manufacturer ADJ. Vel >2 LSA11 40 10 ALL 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer Raw 1000 LM2 5 Raw 1000 LM2 F Raw 1000 LM2 5 Raw 1000 LM2 5 Raw 1000 LM2 5 Raw 1000 LM2 5 Raw 1000 LM2 F Raw 1000 LM2 5 Raw 1000 LM2 F Raw 1000 LM2 5 Raw 1000 LM2 5 Raw 1000 LM2 F Raw 1000 LM	ALL 11236A 20 10 Manufacturer 1000 None LM2 300588 2 8 Manufacturer None LS2A01 012 2 8 Manufacturer	ALL 11286A 20 10 Manufacturer 1000 None LM2 3005268 2 8 Manufacturer None LS2A01 012 2 8 Manufacturer ALL 3005129 20 10 Manufacturer 3750 ADJ. Val 32 LSA01 012 2 8 Manufacturer ALL 5 12.5 Manufacturer Manufacturer LSA1 40 10 Manufacturer ADJ. Val 32 LSA01 40 10 Manufacturer ALL 5 12.5 Manufacturer Raw 1000 LM2 5 12.5 Manufacturer Raw 1000 ADJ. Val 32 LSA01 40 10 Manufacturer	ALL 11296A 20 10 Menufacturer 1000 None LM2 300598 2 8 Manufacturer None LS2A01 012 2 8 Manufacturer 1500 failer with clinical hostory) ALL 3005129 20 10 Manufacturer Adult Vid S 12.5 Manufacturer S 12.5 Manufacturer Rew 1000 LM2 5 12.5 Manufacturer Rew 1000 LM2 5 12.5 Manufacturer Rew 1000	ALL 11296A 20 10 Manufacturer 1000 None LMZ 2005298 2 8 Manufacturer None LS2A1 012 2 8 Manufacturer 1500 (siewn with clinical LSM12 history) ALL 5 12.5 Manufacturer Saw 1000 LMZ 5 12.5 Manufacturer Paw 1000 LMZ 5 12.5 Manufacturer Paw 1000 Paw 100	ALL 11299A 20 10 Manufacturer 1000 Manufacturer 1000 Manufacturer 1000 Manufacturer 1000 Manufacturer 1000 Manufacturer 1000 Manufacturer 1500 ((deen with clinical LSM12 021) ALL 3006129 20 10 Manufacturer 1500 ((deen with clinical LSM12 021) ALL 5 12.5 Manufacturer 1500 ((deen with clinical LSM12 021) ALL 5 12.5 Manufacturer 1500 ((deen with clinical LSM12 021) ALL 6 5 12.5 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1500 ((deen with clinical LSM12 021) ADJ. Vel > 2 8 Manufacturer 1	NLL 11296A 20 10 Manufacturer 1000 1000	NLL 11296A 20 10 Menufacturer 1000 None LM2 3005288 2 8 Menufacturer None LS2A01 012 2 8 Menufacturer 1500 (astern with clinical LSM12 021 3 https://doi.org/10.1001/1	NLL 1128A 20 10 Menufacturer 1000 None LAG 300258 2 8 Menufacturer None LSEAD1 012 2 8 Manufacturer 1500 poien with circuit LSM12 021 3 12 NLL 3006190 20 10 Menufacturer S700 None LSEAD1 012 2 8 Manufacturer 1500 poien with circuit LSM12 021 3 12 NLL 5 12.5 Menufacturer SAI None LSEAD 1012 2 8 Menufacturer 1500 poien with circuit LSM12 021 3 12 NLL 5 12.5 Menufacturer SAI None LSEAD 1012 2 8 Menufacturer 1500 poien with circuit LSM12 021 3 12 NLL 5 12.5 Menufacturer SAI None LSEAD 1012 2 8 Menufacturer 1500 poien with circuit LSM12 021 3 12 NLL 5 12.5 Menufacturer SAI None LSEAD 1012 2 8 Menufacturer 1500 poien with circuit LSM12 021 3 12 NLL 5 12.5 Menufacturer SAI None LSEAD 1012 2 8 Menufacturer 1500 poien with circuit LSM12 021 3 12	NLL 11296A 20 10 Manufacturer 1000	Nul. 11/216A 20 10 Manufacturer Nove IAZ 300568 2 8 Manufacturer See See See See See See See See See

Lifecodes LM1 LM2 LMX LSAI LSAII LSAI8II

Class I ID Kit
Class II ID Kit
Lifecodes Lifescreen Deluxe Kit
Lifecodes Lifescreen SA Class I
Lifecodes Lifescreen SA Class II
Lifecodes Lifescreen SA Class III
Lifecodes Lifescreen SA MICA

 One Lambda
 LABScreen PRA Class I

 LS1PRA
 LABScreen PRA Class II

 LS2PRA
 LABScreen PRA Class II

 LS12PRA
 LABScreen PRA Class III

 LS1A04
 LS SA Class I

 LS2A01
 LS SA Class II

 LSMUT2
 LS Mixed Class I&II

 LSMUTR
 LABScreen Multi

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 on UKNEQASHandi@wales.nhs.uk



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Samples 306-310/2018

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I at	1.2 Positive control serum 1.2 Positive control serum 1.3 1.4 Serum treatment 1.5 Incubation till Positive control serum Source Everyrun? If no: Same serum? If no: Samples stored Conditions? Storage Methods used? Extra Information Criteria? 1.5 Incubation till Positive Conditions?																6 Wash step	datails					1.7 Data analys	is	
No	Pos	itive control serum	Source	Every run?		Same serum?	If no:	Samples stored	Conditions?	Storage	Methods used?	Extra Information	Criteria?	1.5 Incubation times	Wash medium	Anything	First v	ash step	Second	wash step		Software	Min bead	Min pos control	High background
0	for	Luminex testing?	Sensitised Patient	No	Included once a	Yes		prior to testing? Sometimes	20	time? (hours) >48	Dilution	Selected	High background,	Manufacturer's	Supplied	added No	Washes 5	Volume (µl 200) Washes	Volume (µI) 200	Buffer removed by Vacuum Manifold	HLA Fusion	count 50	bead MFI 500	criteria High NC
11	Vac		Pooled sensitised	Yes	week of in batches	No	Separate controls for	Always	-20	>46	Adsorption	Samples Selected	high NC, multispecific with high MFI values Adsorb out used on	Instructions Manufacturer's	Supplied	No	3	200	2	200	Centrifuge	HLA Fusion	50	1000	>1000
	100	İ	patient sera	100			LSM12, SABs Class I	rumayo	40		Beads/EDTA	Samples	samples with NC >1000	Instructions	Сарриса	140		200	_	200	Commungo	TIETT GOION	50	1000	71000
12	Yes	:	Sensitised Patient	Yes		No	Positive control sera tested with mixed bead assay. Not single antigen assay	Sometimes	-25	24-48	Adsorption Beads, EDTA, Dilution	Selected Samples	Samples with high background not removed by treatment with	Manufacturer's Instructions	Supplied	No	5	175	5	175	Vacuum Manifold	HLA Fusion, xPONENT	50	1000	NC >500
14	Yes	:	Sensitised Patient	Yes		No	Sensitised patient control sera for each	Sometimes	-20	>48	Heat inactivation, EDTA		adsorb out	Manufacturer's Instructions	Supplied	EDTA	3	200	2	200	Centrifuge	HLA Fusion	50	5000	Neg MFI >500 or Pos/Neg Ratio <2
15	Yes	ı	Pooled HSP sera	Yes		Yes	KIL	Yes	4	>48	Adsorption Beads, EDTA	Selected Samples		Manufacturer's Instructions		EDTA	5	200	5	200	Vacuum Manifold	HLA Fusion	50	PC/NC >2	NC >1500
19 20	Yes	:	Sensitised Patient	Yes		No	Specific sera selected relevant to kit used	Yes	-80	>48	Adsorption Beads, EDTA		AO used when high background (MFI >500)	Manufacturer's Instructions	Supplied	No	5	175	5	175	Vacuum Manifold	HLA Fusion	50	2000	MFI >500
23	Yes	ı	Pool of sensitised patients diluted 1 in 8	Yes		Yes		Always	4	>48	Adsorption Beads, EDTA	Selected Samples	Adsorbed if NC >1500	Manufacturer's Instructions	Supplied	No	2	200	3	200	LabXpress	HLA Fusion	50	500	1500
24	Yes		Sensitised Patient	Yes		Yes		Sometimes	-20/2-8	>48	Adsorption Beads, EDTA	Selected Samples	Adsorb samples with high background, EDTA added only for single antigen testing	Manufacturer's Instructions	Supplied	No	One Lambda:5 Immucor:4	One Lambda:20 Immucor: 1x100, 3x25		200	Vacuum Manifold	HLA Fusion, MatchIT	50	3000	NC >500
25	Yes	l	Immucor positive control	No	Only included in Immucor SAB runs	No	Only included in Immucor SAB runs	Sometimes	-30	24-48	Adsorption Beads, EDTA	Selected Samples	Treatment with seraclean if NC >500	Manufacturer's Instructions	Supplied	No	5	220	5	220	Vacuum Manifold	HLA Fusion	50	>500 and at least twice the NC	NC >500
26	Yes		Mix of sensitised patient sera	Yes		Yes		Sometimes	Frozen/Fridge (varies)	24-48	Adsorption Beads, EDTA, Dilution		-500	Manufacturer's Instructions	Supplied		5	200	5	200	Vacuum Manifold	Fusion 4.1	50	5000	NC >500
28	Yes		Sensitised patient sera	Yes		Yes		Yes	Frozen (-20)	>48	N/A			Manufacturer's Instructions	Supplied	No	4	1 x 100 x 275	3 4	1 x 100 3 x 275	Vacuum Manifold	Fusion	30	500	NC >1500
34	Yes	:	Sensitised Patient sera for One Lambda kits	Yes		No	Different pos con for Labscreen and Sag kits from One Lambda	Always	-40/-4	24-48	EDTA			Manufacturer's Instructions	Supplied	EDTA	5	200	5	200	Vacuum Manifold	Fusion 3	20	5000	NC >500
35	Yes		Sensitised Patient	Yes		Yes		No			Adsorption	Selected		Manufacturer's	Supplied	EDTA	3	200	2	200	Centrifuge	Fusion 3	50	500	Adsorb Out
38	No		sera					Sometimes	-30	>48	Beads/EDTA EDTA	Samples		Instructions Modified Halifax	Supplied	No	2	200	2	200	Centrifuge	HLA Fusion,	80	1500	500
39	Yes			Yes		Yes		Always	2-8	>48	Adsorption	Selected		protocol Manufacturer's	Supplied	EDTA	5	200	5	200	Vacuum Manifold	MatchIT HLA Fusion	50	5000	NC >500
41	Yes		In house pooled sensitised sera	No	On reciept of new delivery	No	Neat used for single antigen beads, 1:400 dilution used for screening beads	Always	-80	>48	Beads/EDTA Adsorption Beads/EDTA	Samples Selected Samples	NC >1500	Instructions Manufacturer's Instructions	Supplied	No	4	200	3	200	Vacuum Manifold	Fusion 3	50	5000	>1500
45	Yes			Yes		Yes					Adsorption Beads/EDTA	All Samples		Manufacturer's Instructions		No	4	200	4	200		In House Software	50	5000	500
48	Yes		Pooled sensitised patient sera used for Labscreen Mixed kits, Manufacturer's positive control is used for all other kits	Yes		No	Pooled positive control is only used for Labscreen Mixed Class I and II antibody testing	Sometimes	-20	24-48	Adsorption Beads/Heat inacytivation	Selected Samples	High background - Seraclean beads Heat inactivation - for use on Labscreen single antigen beads only	Manufacturer's Instructions	Supplied	No	3	250	3	150, then 2x at 250 (Labscreen only)	Vacuum Manifold	HLA Fusion, MatchIT	50	for Lifecodes C1 and	Sample with a negative control over 1000 for Labscreen, and the users discretion taking into account the manufacturer's suggested ranges for Lifecodes
51 54	Yes	:	Sensitised patient sera		Only used in LSM12 mixed bead assay, not used in single antigen	Yes	However, different pos control is used for IgM antibody testing	Always	-20	>48	Adsorption Beads/EDTA	Selected Samples	Samples giving high background are retested with Adsorb Out beads	Manufacturer's Instructions	Supplied	No	3	200	3	200	Centrifuge	HLA Fusion	40	1500	>750
58	Yes	į.	Manufacturer/In house sensitised patient sera	Yes	assays	No	Labscreen mixed - manufacturer and in house patient sera, Labscreem SA manufacturer only	Always	-15 to -20	>48	EDTA, Foetal calf serum added to 5% of total serum volume		EDTA treatment used for all SA testing. Foetal calf serum used to treat high background serum samples on second round	Manufacturer's Instructions	Supplied	No	5	150	5	150	Vacuum Manifold	HLA Fusion	40	>5000	Labscreen Mixed >500, Labscreen SA >1500
62	Yes		Pool of highly sensitised patient sera/control provided with kit (Immucor)	Yes		No	In house positive control for One Lambda kits and control provided with	Always	-70/2-8	24-48	Adsorption Beads		testing	Manufacturer's Instructions	Supplied	No	5	200	5	200	Vacuum Manifold	Fusion 3.0, MatchIT	50	5000	>500
100	Yes	ļ	Manufacturer	Yes		No	the Immucor kit Positive contol is	Always	-20	>48				Manufacturer's	Supplied	No	3	250			Vacuum Manifold	MatchIT	50	2000 with control	MFI > range for NC bead
112	Yes	!	Patient sensitised sera with low MFI value	Yes		No	assay specific One with each class	Yes	-20	>48	N/A			Instructions Manufacturer's Instructions	Supplied	No	1	100	3	250	Vacuum Manifold, Centrifuge	HLA Fusion, MatchIT	60 immucor, 100 One	serum 12000 Immucor	Bead NC >3000
114	Yes		Sensitised patient	Yes		Yes		Sometimes	-20	24-48	EDTA			Manufacturer's	Supplied	No	3	160	2	160	Centrifuge	HLA Fusion	Lambda 50	PC >1500	NC >500
116	No		sera					Always	-20	>48	Adsorption Beads			Instructions Manufacturer's	Supplied	No	3	200	2	200	Centrifuge	HLA Fusion	50		NC >800
117	No							Always	-65	>48	Adsorption Beads			Instructions Manufacturer's		No	3	200	3	200	Centrifuge	HLA Fusion	15	500	NC: 300-400
119	No							Yes	-20	>48	Adsorption Beads/EDTA			Instructions Manufacturer's Instructions	Supplied	EDTA	3	200	3	200	Centrifuge	HLA Fusion	50	100MFI	NEG >500



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120	No			No		No		Always	-20	24-48	Adsorption Beads/Dilution		Adsorption carried out when NC >500 and/or PC <4000. Dilution 1/8 carried out when adsoption is not sufficient to allow test validation according to PC/NC	Instructions	Supplied	No	3	1x150, 2x200	2 200	Centrifuge	Fusion 4.1	50	4000	NC >500
133	Yes	ı	Manufacturer	Yes		Yes		Yes	-20	>48	Adsorption Beads/Heat		quality values	Manufacturer's Instructions	Supplied	No	3	250		Vacuum Manifold	MatchIT	60	1000, for single antigen - 2000	For screening - 1000 For single antigen - 300
136		:	Senitised parient sera	a No		No		No		<24	Inactivation Adsorption Beads			Manufacturer's	Supplied	No	3	150	2 150	Centrifuge	HLA Fusion	50	>1000	>500
142	Yes	ı	Manufacturer	Yes		No	Anti-HLA Class I with LS1A04, Anti HLA Class II with LS2A01	Sometimes	-20	24-48	EDTA			Instructions Manufacturer's Instructions	Supplied	No	5	175	5 175	Vacuum Manifold	HLA Fusion	50	500	NC >1500
143	No							Always	-20	>48				Manufacturer's	Supplied	No	3	150/200/200	2 200	Centrifuge	HLA Fusion	100	3000MFI	NC >1500MFI
145 149	No Yes		Individuals shown to	Von		No	According to current	Yes Always	-20	>48 24-48	N/A			Instructions Manufacturer's	Supplied	No	1	100	3 250	Vacuum Manifold	MatchIT EXE	60	10000	High CON 1
157		1	be alloimmunized to HLA antigens	res		NO	LOT number		*					Instructions										night con 1
160 162 165	No							Always	4-6	>48	Adsorption Beads			Manufacturer's Instructions	Supplied	No	3	150/200/200	2 200	Centrifuge	HLA Fusion	100	5000MFI	
169	Yes		Sensitised patient sera	Yes		No		Always	2-8	<24				Manufacturer's Instructions	Supplied	No	2	150	2 150	Centrifuge	HLA Fusion	100	500	
181 185 194	Yes Yes		In House pool	Yes Yes		Yes Yes		Always Always	-20 -25	24-48 24-48	Adsorption/EDTA			Manufacturer's Instructions	Supplied	No	3	250		Vacuum Manifold	MatchIT	690	Not defined, relative to standard PC provided by manufacturer	Manufacturer ranges
195	Yes		Sensitised patient sera	Yes		No		Yes	Frozen	>48				Manufacturer's Instructions	Supplied	No	5	175	5 175	Vacuum Manifold	HLA Fusion	100	5000	>500
206 212																								
214	Yes		Manufacturer	Yes		Yes	Kit-specific controls	Yes Sometimes	Frozen/Fridge	<24 24-48/>48	Dilution N/A			Manufacturer's Instructions Manufacturer's	Supplied Supplied	No No		250 250	1 150	Vacuum Manifold Vacuum Manifold	MatchIT MatchIT	100	>10000 5000	>1000
							used, supplied by the manufacturer							Instructions										
218	Yes		Manufacturer	Yes		Yes		Sometimes	-80	>48	Adsorption/Heat Inactivation			Manufacturer's Instructions	Supplied	No	4	100-200		Vacuum Manifold	MatchIT	100	>10000	High reaction on CON beads, high MFIs without the beads being called positive by the software, or when most of the beads in the well have high MFIs or high adjusted values
227	Yes		Manufacturer, sensitised patient sera	Yes		Yes		Always	-40	>48	Adsorption/EDTA/ Dilution		Only samples with high background are treated with adsorption beads	Manufacturer's Instructions	Supplied	No	5	175	5 175	Vacuum Manifold	HLA Fusion	50	PC >500 PC/NC >5	NC >500
230 232	Yes		Sensitised patient sera	Yes		Yes		Always	-60	>48				Manufacturer's Instructions	Supplied	No	5	275	5 275	Vacuum Manifold	Fusion	80	5000	NC >2000
242	No		bera					Always	-20	>48	Adsorption Beads			Manufacturer's Instructions	Supplied	No	1	150	2 200	Centrifuge	HLA Fusion	100	13415	
252	Yes	1	Commercial	Yes		No	Each commercial kit has its own positive	Yes	-20	>48			The sera are used undiluted	Manufacturer's Instructions	Supplied	No	1/3	100, 250		Vacuum Manifold	MatchIT		10000	
267	Yes	ı	Provided with kit	Yes		No	control Each commercial kit has positive serum included	Always	-30	>48	EDTA			Manufacturer's Instructions	Supplied	No				Vacuum Manifold	MatchIT			
268 273	Yes			Yes		Yes		Always	4	24-48	N/A			Manufacturer's	Supplied	No	5	175	5 175	Vacuum Manifold	HLA Fusion	50	>500	>1500
277	Yes	ı	UK NEQAS sample, tested last year	No	Once for lot control	Yes			-30	24-48	EDTA			Instructions Manufacturer's Instructions	Supplied	No	3	150, 200,	2 200	Centrifuge	xPonent 3/ Fusion 3	100	500; PC/NC >2	NC >1500
284 292			control mon your																		1 00/011 0			
293 294	No			L.				No		40								250	050				5000	
302	Yes		Sensitised patient	Yes		Yes Yes		Yes Always	-40 -20	>48	EDTA/Adsorption			Manufacturer's Instructions Manufacturer's	Supplied Supplied	No No		250	3 250	Vacuum Manifold Centrifuge	MatchIT Fusion	5000	5000 5000 MFI	NC >500 MFI
-		:	sera					-			Beads/Heat Inactivation			Instructions					- 1200	_		-		
309	Yes		Manufacturer	Yes		No		Always	4	>48				Manufacturer's Instructions	Supplied	No		250		Vacuum Manifold	MatchIT	60	10000	NC >500
351			Sensitised patient serum	Yes		Yes	Fact life!	Always	4	24-48	EDTA N/A			Manufacturer's Instructions	Supplied	No No		200	2 200	Centrifuge	HLA Fusion	50	6000	NC >1500
361	Yes	ļ	Manufacturer supplied	Yes		No	Each kit has own controls with different batches	Always	Fridge/Frozen	>48	N/A			Manufacturer's Instructions	Supplied	No	1	100	3 250	Vacuum Manifold	MatchIT	60	10000	When notified by software
392				1	1			L		l	<u> </u>			1						1				

⁻ Denotes previous methodology/No methodology received