UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS																																
301-2019 CI	A2		A203		A3		A24		A33		A69	U.	B7		B75		B57		B58		B55		B61		B48		B78		Cw9		Cw5	
Total distributed Total submitted	70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69		70 69	
Absent	1		36		64		64		64		63		64		21		3		7		64		64		64		63		64		56	
Present % Absent	64 1.5		29 55.4		1 98.5		1 98.5		1 98.5		2 96.9		1 98.5		44 32.3		62 4.6		58 10.8		1 98.5		1 98.5		1 98.5		2 96.9		1 98.5		9 86.2	
% Present	98.5		44.6		1.5		1.5		1.5		3.1		1.5		67.7		95.4		89.2		1.5		1.5		1.5		3.1		1.5		13.8	
Consensus Unacceptable			-		Absent Present		Absent Present		Absent Present		Absent Present		Absent Present		-		Present Absent		Present Absent		Absent Present		Absent Present		Absent Present		Absent Present		Absent Present		-	
lumber acceptable	64		-		64		64		64		63		64		-		62		58		64		64		64		63		64		-	
nber unacceptable Assessed 2	2		-		2 🔽		2 2		2 2		3 🔽		2		-		4		8		2		2		2		3		2 🔽		-	
Comments	_		_		_		_		_		_		_		_		_		_		_		_		_		_		_		_	
Lab	A2	A2 MFI		A203 MFI	A3 /	A3 MFI	A24	A24 MFI	A33	A33 MFI	A69	A69 MFI	B7	B7 MFI	B75	B75 MFI	B57	B57 MFI	B58	B58 MFI		B55 MFI		B61 MFI		B48 MFI		B78 MFI	Cw9	Cw9 MFI	Cw5	Cw5 MFI
	Present Present	5001-9999 2000-5000		5001-9999	Absent Absent		Absent		Absent Absent		Absent Absent		Absent Absent		Present Absent	2000-5000	Present Present	2000-5000		2000-5000	Absent Absent											
12	Present	2000 0000	Absent		Absent	A	Absent		Absent		Present		Absent	F	Present		Present	2000 0000	Present	0 2000	Absent		Present									
	Present Present	2000-5000	Present Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	2000-5000	Present Present	0-2000	Absent Absent											
	Present	2000-5000	Absent		Absent		Absent		Absent		Absent		Absent			2000-5000	Present	2000-5000	Present	0-2000	Absent											
23	Present Present		Absent Present		Absent Absent	A	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	2000-5000	Present		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent	
	Present Present	5001-9999	Present Absent	5001-9999	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000	Present Present	2000-5000	Present Present	2000-5000	Absent Absent											
26	Present	2000-5000	Absent		Absent	A	Absent		Absent		Absent		Absent	F	Present	2000-5000	Present	0-2000	Present	0-2000	Absent											
	Present Present	2000-5000 2000-5000	Present		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present	2000-5000 2000-5000	Present Present	2000-5000 2000-5000	Present Present	2000-5000 0-2000	Absent Absent											
	Present Present	2000-5000 2000-5000	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present	2000-5000 2000-5000	Present Present	2000-5000 2000-5000	Present Present	0-2000 0-2000	Absent Absent											
39	Present	2000-5000	Absent		Absent	A	Absent		Absent		Absent		Absent			2000-5000	Present	2000-5000	Present	0-2000	Absent											
	Present Present	5001-9999 2000-5000	Absent Present	2000-5000	Absent Absent		Absent		Absent Absent		Absent Absent		Absent Absent		Absent Present	2000-5000		2000-5000	Present Present	2000-5000	Absent Absent		Absent Present	0-2000								
45	Present	2000-5000	Present	2000-5000	Absent	A	Absent		Absent		Absent		Absent	F	Present	2000-5000	Present	2000-5000	Present	0-2000	Absent		Absent	0 2000								
	Present Present	2000-5000 2000-5000			Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000 2000-5000	Present Present	2000-5000 0-2000	Present Present	2000-5000 0-2000	Absent Absent											
	Present	5001-9999		2000-5000	Absent Absent		Absent		Absent		Absent		Absent		Present	0-2000	Present	2000-5000	Present	≥10000	Absent Absent		Absent									
62	Present Present	2000-5000				A	Absent Absent		Absent Absent		Absent Absent		Absent Absent	F	Present Present	2000-5000		2000-5000		2000-5000			Absent Absent									
	Present Present		Present Present	0-2000	Absent Absent		Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000	Present Present	0-2000	Absent Absent											
114	Present	5001-9999	Present	5001-9999	Absent	A	Absent		Absent		Absent		Absent	F	Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent		Present	0-2000								
116 117	Present Present	2000-5000	Present Absent	2000-5000	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000	Present Present	2000-5000	Present Present	0-2000	Absent Absent											
119	Present	5001-9999		5001-9999	Absent		Absent		Absent		Absent		Absent		Present	0-2000		2000-5000	Present	2000-5000	Absent		Absent	0 2000								
	Present Present		Present		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Absent	0-2000	Present Present	2000-5000 2000-5000		2000-5000 2000-5000			Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Absent	0-2000
	Present Present	2000-5000 2000-5000	Present Absent	2000-5000	Absent Absent		Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000	Present Present	2000-5000 2000-5000	Present Present	2000-5000 2000-5000	Absent Absent											
143	Present	≥10000	Absent		Absent	A	Absent		Absent		Absent		Absent	F	Present	≥10000	Present	≥10000	Present	≥10000	Absent		Present	2000-500								
	Present Present		Present	5001-9999 0-2000	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present	0-2000	Present Present	2000-5000	Present Present	2000-5000	Absent Absent											
	Present		Absent		Absent		Absent		Absent		Absent		Absent		Present	2000-5000	11000110	2000-5000	Present	2000-5000	Absent Absent		Absent									
162		5001-9999	Absent Present	5001-9999	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000 0-2000		2000-5000 5001-9999		2000-5000 2000-5000			Absent Absent									
	Present Present		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000 2000-5000	Present Present	2000-5000 5001-9999	Present Present	0-2000 2000-5000	Absent Absent											
181	Present	2000-5000	Present	2000-5000	Absent	A	Absent		Absent		Absent		Absent	F	Present	0-2000	Present	2000-5000	Present	0-2000	Absent											
	Present Present	0-2000 2000-5000	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Present	2000-5000	Present Present	0-2000 2000-5000	Present Present	0-2000 0-2000	Absent Absent											
197	NT Present	2000-5000	NT Absent		NT Absent		NT Absent		NT Absent		NT Absent		NT Absent		NT	2000-5000	NT Present	2000-5000	NT Present	0-2000	NT Absent											
212	Present	0-2000	Absent		Absent	A	Absent		Absent		Absent		Absent		Absent	2000-3000	Present	0-2000	Absent	0-2000	Absent											
	Absent Present	0-2000	Absent Present	0-2000	Absent Present		Absent Absent		Absent Present		Absent Absent		Absent Present		Absent Absent		Absent Present	0-2000	Absent Present	0-2000	Absent Present	0-2000	Absent Present	0-2000	Absent Present	0-2000	Absent Present	0-2000	Absent Present	0-2000	Absent Present	0-2000
222	NT		NT		NT		NT		NT		NT		NT		NT	2000 5000	NT		NT		NT		NT		NT		NT		NT		NT	
230	Present Present	0-2000	Absent Absent		Absent Absent	A	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent	2000-5000	Present	2000-5000 0-2000	Absent	2000-5000	Absent		Absent Absent									
232 242	Present NT	5001-9999	Present NT	5001-9999	Absent NT		Absent NT		Absent NT		Absent NT		Absent NT	F	Present NT	2000-5000	Present NT	2000-5000	Present NT	2000-5000	Absent NT											
252	Present		Absent		Absent	A	Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent	
	Present Present		Present Absent	0-2000	Absent Absent		Present Absent	0-2000	Absent Absent		Present Absent	0-2000	Absent Absent		Absent Absent		Present Present	0-2000 2000-5000	Present Absent	0-2000	Absent Absent											
273	Present	2000-5000	Absent	E001 0000	Absent	A	Absent		Absent		Absent		Absent	F	Present	2000-5000	Present	2000-5000	Present	0-2000	Absent		Absent	0 0000								
284		5001-9999 2000-5000	Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000 0-2000	Present Present	2000-5000 0-2000	Present	2000-5000 0-2000	Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Absent	0-2000
	Present Present	5001-9999 5001-9999	Present Absent	5001-9999	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000 2000-5000	Present Present	2000-5000 5001-9999	Present Present	2000-5000 2000-5000			Absent Absent		Absent Absent		Absent Absent		Absent Absent		Present Absent	0-2000
294	Present	0-2000	Present	0-2000	Absent	A	Absent		Absent		Absent		Absent		Absent	2000-0000	Present	0-2000	Present	0-2000	Absent											
	Present Present	0-2000 5001-9999	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Present	5001-9999	Absent Present	2000-5000	Absent Absent		Absent Absent		Absent Absent		Present Absent	0-2000	Absent Absent		Absent Present	0-2000
	Present	0-2000	Absent		Absent		Absent		Absent		Absent		Absent		Absent		Present	0-2000	Present	0-2000	Absent		Absent	- 1000								
361	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
411		5001-9999	Absent		Absent	A	Absent		Absent		Absent		Absent	F	Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent											

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UK	NEQAS
Internat	ional Quality Expertise

Histocompatibility & Immunogenetics

													OAS for	H&I - SC	HEME 3 -			FICITY ANALYSIS
301-2019 CI	Cw6		07		Cw8		Cw12		Cw15		Cw16	OKINL	Cw18	nai - 30	ILIVIL 3 -		JODI SPLCI	FICHT ANALISIS
Total distributed	70		Cw7 70		70		70		70		70		70					
Total submitted	69		69		69		69		69		69		69					
Absent	64		64		64		64		64		64		64					
Present % Absent	1 98.5		1 98.5		1 98.5		1 98.5		1 98.5		1 98.5		1 98.5					
% Absent % Present	96.5		1.5		1.5		1.5		1.5		1.5		96.5 1.5					
Consensus			Absent		Absent		Absent		Absent		Absent		Absent					
Unacceptable Number acceptable	Present 64		Present 64		Present 64		Present 64		Present 64		Present 64		Present 64					
Number unacceptable	2		2		2		2		2		2		2					
Assessed Z																		
Comments																		
Lab	Cw6	Cw6 MFI	Cw7	Cw7 MFI	Cw8	Cw8 MFI	Cw12	Cw12 MFI	Cw15	Cw15 MFI	Cw16	Cw16 MFI	Cw18	Cw18 MFI	Received	Tested	Asses Presence	Absence
9	Absent		Absent		Absent		Absent		Absent		Absent		Absent		06/06/2019	09/06/2019	100%	100%
11 12	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		04/06/2019 04/06/2019	11/06/2019 06/06/2019	100% 100%	100% 94.10%
12	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	21/06/2019	100%	100%
15	Absent		Absent		Absent		Absent		Absent		Absent		Absent		06/06/2019	11/06/2019	100%	100%
19 20	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 05/06/2019	10/06/2019 01/07/2019	100% 66.70%	100% 100%
23	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	07/06/2019	100%	100%
24	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	18/06/2019	100%	100%
25 26	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 05/06/2019	07/06/2019 10/06/2019	100% 100%	100% 100%
28	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	04/07/2019	100%	100%
34 35	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 05/06/2019	06/06/2019 10/06/2019	100% 100%	100% 100%
38	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	07/06/2019	100%	100%
39	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	11/06/2019	100%	100%
41 42	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		04/06/2019 04/07/2019	13/06/2019 05/07/2019	100% 100%	100% 100%
42	Absent		Absent		Absent		Absent		Absent		Absent		Absent		0000-00-00	20/06/2019	100%	100%
48	Absent		Absent		Absent		Absent		Absent		Absent		Absent		06/06/2019	07/06/2019	100%	100%
51 54	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 05/06/2019	17/07/2019 12/06/2019	100% 100%	100% 100%
58	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	07/06/2019	100%	100%
62	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	04/07/2019	100%	100%
100 112	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		06/06/2019 10/06/2019	12/06/2019 20/06/2019	100% 100%	100% 100%
114	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	19/06/2019	100%	100%
116 117	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		06/06/2019 06/06/2019	11/06/2019 05/07/2019	100% 100%	100% 100%
119	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	13/06/2019	100%	100%
120	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	21/06/2019	100%	100%
133 136	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		21/06/2019 05/06/2019	27/06/2019 06/06/2019	100% 100%	100% 100%
142	Absent		Absent		Absent		Absent		Absent		Absent		Absent		06/06/2019	07/06/2019	100%	100%
143	Absent		Absent		Absent		Absent		Absent		Absent		Absent		10/06/2019	14/06/2019	100%	100%
145 149	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 06/06/2019	06/06/2019 07/06/2019	100% 100%	100% 100%
157	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	18/06/2019	100%	100%
160 162	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 05/06/2019	14/06/2019 10/07/2019	100% 100%	100% 100%
162	Absent		Absent		Absent		Absent		Absent		Absent		Absent		24/06/2019	01/07/2019	100%	100%
169	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	14/06/2019	100%	100%
181 185	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 05/06/2019	11/06/2019 05/06/2019	100% 100%	100% 100%
195	Absent		Absent		Absent		Absent		Absent		Absent		Absent		07/06/2019	07/06/2019	100%	100%
197 206	NT Absent		NT Absent		NT Absent		NT Absent		NT Absent		NT Absent		NT Absent		0000-00-00 04/06/2019	0000-00-00 13/06/2019	Not assessed 100%	Not assessed 100%
200	Absent		Absent		Absent		Absent		Absent		Absent		Absent		08/06/2019	19/06/2019	66.70%	100%
216	Absent		Absent		Absent		Absent		Absent		Absent		Absent		0000-00-00	09/07/2019	0%	100%
218 222	Present NT	0-2000	Present NT	0-2000	Present NT	0-2000	Present NT	0-2000	Present NT	0-2000	Present NT	0-2000	Present NT	0-2000	08/07/2019 0000-00-00	08/07/2019 0000-00-00	100% Not assessed	11.80% Not assessed
227	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	16/07/2019	100%	100%
230	Absent		Absent		Absent		Absent		Absent		Absent		Absent		24/06/2019	25/06/2019	66.70%	100%
232 242	Absent NT		Absent NT		Absent NT		Absent NT		Absent NT		Absent NT		Absent NT		10/06/2019	12/07/2019	100% Not assessed	100% Not assessed
252	Absent		Absent		Absent		Absent		Absent		Absent		Absent		27/06/2019	05/07/2019	33.30%	100%
267	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019 11/06/2019	26/06/2019 14/06/2019	100% 66.70%	88.20% 100%
268 273	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		11/06/2019 04/06/2019	14/06/2019 06/06/2019	100%	100%
277	Absent		Absent		Absent		Absent		Absent		Absent		Absent		06/06/2019	20/06/2019	100%	100%
284 292	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		05/06/2019 07/06/2019	11/06/2019 12/06/2019	100% 100%	100% 100%
292 293	Absent		Absent		Absent		Absent		Absent		Absent		Absent		06/06/2019	13/07/2019	100%	100%
294	Absent		Absent		Absent		Absent		Absent		Absent		Absent		05/06/2019	07/06/2019	100%	100%
302 303	Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		Absent Absent		10/06/2019 05/06/2019	03/07/2019 12/06/2019	33.30% 100%	94.10% 100%
309	Absent		Absent		Absent		Absent		Absent		Absent		Absent		07/06/2019	19/06/2019	100%	100%
351 361	NT		NT		NT		NT		NT		NT		NT		0000 00 00	0000-00-00	0% Not assessed	0%
411	Absent		Absent		Absent		Absent		Absent		Absent		Absent			11/06/2019	100%	100%

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												UK NEC	QAS for	H&I - SCH	IEME 3	HLA ANT	IBODY	SPECIFIC		'SIS				
301-2019 CII	DR4		DR11		DR9		DR51		DR53		DQ7		DQ8		DQ9		DQ4		DPB1*01:01		DPB1*02:01		DPB1*03:01	
Total distributed Total submitted	69 68		69 68		69 68		69 68		69 68		69 68		69 68		69 68		69 68		69 68		69 68		69 68	
Absent	63		-		60		47		60		14		16		13		63		49		5		5	
Present % Absent	1 98.4		64		4 93.8		17 73.4		4 93.8		50 21.9		48 25		51 20.3		1 98.4		15 76.6		59 7.8		59 7.8	
% Present	1.6		100		6.3		26.6		6.3		78.1		75		79.7		1.6		23.4		92.2		92.2	
Consensus Unacceptable			Present		-		-		-		Present Absent		Present Absent		Present Absent		Absent Present		-		Present Absent		Present Absent	
Number acceptable	63		64		-		-		-		50		48		51		63				59		59	
umber unacceptable	2		1		-		-		-		15 🔽		17 🔽		14 🔽		2 ☑		-		6 🔽		6 🔽	
Assessed Comments			<u>M</u>						<u>Ki</u>		<u>wi</u>								<u>171</u>				<u>Ri</u>	
Lab	DR4	DR4 MFI	DR11	DR11 MFI	DR9	DR9 MFI	DR51	DR51 MFI	DR53	DR53 MFI	DQ7	DQ7 MFI	DQ8	DQ8 MFI	DQ9	DQ9 MFI	DQ4	DQ4 MFI	DPB1*01:01	DPB1*01:01 MFI	DPB1*02:01	DPB1*02:01 MFI	DPB1*03:01	
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	Absent		Present	2000-5000	Absent		Absent		Absent		Present		Present		Present		Absent		Absent		Present	2000-5000	Present	0-2000
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	Absent Absent		Present Present	2000-5000	Absent Absent		Absent Absent		Absent Absent		Present Present	2000-5000	Present Present	0-2000	Present Present	2000-5000	Absent Absent		Absent Absent		Present Present	2000-5000	Present Present	2000-500
25	Absent		Present		Absent		Absent		Absent		Present		Present		Present		Absent		Present		Present		Present	
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39	Absent		Present	0-2000	Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent		Present	2000-5000	Present	0-2000
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45	Absent		Present	2000-5000	Absent	0 2000	Absent	0 2000	Absent	0 2000	Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent		Absent		Present	2000-5000	Present	2000-500
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54	Absent		Present	2000-5000	Absent		Absent		Absent		Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent		Absent		Present	5001-9999	Present	2000-500
	Absent Absent		Present Present	2000-5000	Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000	Present Present	0-2000	Present Present	0-2000	Absent Absent		Present Absent		Present Present	2000-5000	Present Present	2000-500
100	Absent		Present	0-2000	Absent		Present	0-2000	Absent		Present	0-2000	Present	0-2000	Present	0-2000	Absent		Absent		Present	0-2000	Present	0-2000
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116	Absent		Present	2000-5000	Absent		Absent		Absent		Present	2000-5000	Present	0-2000	Present	0-2000	Absent		Absent		Present	2000-5000	Present	2000-500
	Absent Absent		Present Present	2000-5000	Present Absent		Present Absent		Present Absent		Present Absent		Present Present	2000-5000	Present Present	0-2000	Absent Absent		Present Absent		Present Present	5001-9999	Present Present	2000-500
120	Absent		Present	2000-5000	Absent		Present	0-2000	Absent		Present	2000-5000	Present	0-2000	Present	2000-5000	Absent		Absent		Present	2000-5000	Present	2000-500
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130	Absent		Present	2000-5000	Absent		Absent		Absent	0-2000	Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent		Present	0-2000	Present	2000-5000	Present	2000-500
143	Absent Absent		Present Present	≥10000 2000-5000	Present Absent	0-2000	Absent Absent		Absent Absent		Present Present	5001-9999 2000-5000	Present Present	2000-5000 2000-5000	Present Present	5001-9999 2000-5000	Absent Absent		Present Absent	2000-5000	Present Present	≥10000 2000-5000	Present Present	≥10000 2000-500
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	Absent		Present	2000-5000	Absent		Absent		Absent		Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent	0-2000	Absent		Present	2000-5000	Present	2000-500
162	Absent Absent		Present Present	2000-5000 5001-9999	Absent Absent		Absent Absent		Absent Absent		Present Present	0-2000 2000-5000	Present Absent	0-2000	Present Present	0-2000 2000-5000	Absent Absent		Absent Absent		Present Present	2000-5000 5001-9999	Present Present	2000-500 5001-999
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195 197	Absent NT		Present NT	2000-5000	Absent NT		Absent NT		Absent NT		Present NT	2000-5000	Present NT	0-2000	Present NT	2000-5000	Absent NT		Present NT	0-2000	Present NT	2000-5000	Present NT	2000-500
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	Absent		Present	0-2000	Absent NT		Present NT	0-2000	Absent NT		Absent NT		Absent		Absent		Absent NT		Present NT	0-2000	Absent		Present	0-2000
222 227	NT Absent		NT Present	2000-5000	Absent		Absent		Absent		Present	2000-5000	NT Present	2000-5000	NT Present	2000-5000	Absent		Present	0-2000	NT Present	2000-5000	NT Present	2000-500
230	Absent		Present	0-2000	Absent		Present	0-2000	Absent		Absent		Absent		Absent		Absent		Absent		Present	0-2000	Present	0-2000
232	Absent NT		Present NT	2000-5000	Absent NT		Absent NT		Absent NT		Present NT	2000-5000	Present NT	2000-5000	Present NT	2000-5000	Absent NT		Absent NT		Absent NT		Absent NT	
	Absent		Present	2000-5000	Absent		Absent		Absent		Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent		Absent		Absent		Absent	
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273	Absent		Present	2000-5000	Absent		Absent		Absent		Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent		Present	0-2000	Present	2000-5000	Present	2000-500
277 284	NT Absent		NT Present	2000-5000	NT Absent		NT Absent		NT Absent		NT Present	2000-5000	NT Present	0-2000	NT Present	0-2000	NT Absent		NT Absent	0-2000	NT Present	2000-5000	NT Present	2000-500
292	Absent		Present	2000-5000	Absent		Absent		Absent		Present	2000-5000	Present	0-2000	Present	0-2000	Absent		Absent	000	Present	5001-9999	Present	2000-50
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302	Absent		Present	0-2000	Absent		Absent		Absent		Present	0-2000	Present	0-2000	Present	0-2000	Absent		Absent		Absent		Absent	
	Absent Absent		Present Present	5001-9999 0-2000	Absent		Present Present	0-2000 0-2000	Absent Absent		Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent Absent		Absent Absent		Present Present	5001-9999 0-2000	Present Present	2000-50 0-2000
309	Auseill		resent	0-2000	AUSCIIL			0-2000	Ausein		Ausent		AUSEII		AUSCII		Ausent		ADOGU		FICSEIIL	0-2000	rieseni	0-2000
361	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	

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Image Image <th< th=""><th>301-2019 CII</th><th>DPB1*04:01</th><th></th><th>DPB1*04:02</th><th></th><th>DPB1*05:01</th><th></th><th>DPB1*06:01</th><th>UK NEQAS IU</th><th></th><th>EIVIE 5 - HLA A</th><th></th><th>PECIFICITY ANA</th><th></th><th></th><th>DPB1*14:01</th><th></th><th>DPB1*17:01</th><th></th></th<>	301-2019 CII	DPB1*04:01		DPB1*04:02		DPB1*05:01		DPB1*06:01	UK NEQAS IU		EIVIE 5 - HLA A		PECIFICITY ANA			DPB1*14:01		DPB1*17:01	
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1 Aberla Protect Control Protect Protect Control Protect Protect Control Protect Control Protect Control Protect Protect Control Protect Contro Protect Control	11														0-2000				0-2000
1 Aker Precist 2000 Precist Precist																			
20 Alease Prices 200.500 Alease Prices 200.500 Prices 200.500 <					2000-5000				0-2000		2000-5000		0-2000				0-2000		0-2000
21 Abort Priorit Sub complex Priorit Priorit <									2000-5000										2000-5000
A Abert Protect 2005.000 Abert Protect 2005.000 Protect 2005.000 Protect 2005.000	20 23				2000-5000						2000-5000		2000-5000				2000-5000		2000-5000
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21 Abert Prest 200,500					2000-5000				2000-5000		2000-5000		2000-5000				2000-5000		2000-5000
35 Alsert Prest 2004 800 Prest 0.2000	28			Present	2000-5000			Present	2000-5000	Present	2000-5000				2000-5000	Present	2000-5000	Present	2000-5000
38 Abort Prest 200-500 Prest 200-500 <	34														0-2000				0-2000 2000-5000
11 Aberia Present 2005.000 Present Present 2005.000	38	Absent		Present	5001-9999	Absent		Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent	0 2000	Present	2000-5000	Present	2000-5000
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44 Abern' Present 2005.000 Abern' Present 2005.000 Present 200	42	Absent		Present	2000-5000	Absent		Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent		Present	2000-5000	Present	2000-5000
51 Abern Present 20.00 Present 0.2000 <																			2000-5000 2000-5000
88 Abort Present Present <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0-2000</td><td></td><td></td><td></td><td>0-2000</td></t<>															0-2000				0-2000
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112 Abert Presett 0.2000 Abert Presett 200-500 Abert Abert Presett 200-500 Abert Abert Presett 200-500 Presett 200-500 Abert Presett 200-500 Presett 200-500 Abert Presett 200-500 Presett <td< td=""><td>62</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0-2000</td><td></td><td></td><td></td><td></td><td></td><td>0-2000</td></td<>	62												0-2000						0-2000
114 Absert Present 2005-500 Absert Present 2005-500 Absert Present 2005-500 Absert Present 2005-500 Present 2005-				Present											0-2000				0-2000
117 Abert Present Abert Present Composition Present Abert Present 200-500 Abert Present 200-5											0-2000		2000-5000				0-2000		0-2000
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120 Absert Present 200-500 Absert Present 200-500 Absert Present 0.200-500 Absert Present					2000-5000				2000-5000		2000-5000		2000-5000				2000-5000		2000-5000
138 Absent Present 2000-5000 Absent Present 2000-5000	120			Present	2000-5000				2000-5000	Present	2000-5000						2000-5000	Present	2000-5000
142 Absent Present 2000-5000 Absent Present 2000-5000											0-2000		2000-5000				0-2000		0-2000
145 Absent Present 2000-5000 Absent Present 2000-5000 Present 2000-5000 Absent Present 2000-5000	142	Absent		Present	2000-5000	Absent		Present	2000-5000	Present		Present	2000-5000	Present	0-2000	Present		Present	2000-5000
140 Absent Present 0.2000 Absent Present 0.2000 Present 200-500 Absent Present 200-500 Present 200-500 Absent Present 200-500 Present <td></td> <td>≥10000 2000-5000</td>																			≥10000 2000-5000
160 Absent Present 2000-5000 Present 2000-50	149	Absent		Present	0-2000	Absent		Present	0-2000	Present	0-2000	Absent		Absent		Present	0-2000	Present	0-2000
162 Absent Present 2000-5000 Present 2000-5000 Absent Present 2000-5000	157								2000-5000		2000-5000						2000-5000		2000-5000
169 Absent Present 2000-5000 Absent Present 0-2000 Present	162								2000-5000	Present	5001-9999		2000-5000			Present		Present	5001-9999
181 Absent Present 2000-5000 Absent Present 0.2000			2000-5000		2000 5000						2000-5000						2000-5000		2000-5000
195 Present 200-500 Absent Present 200-500 Present 2000-500 Present 2000-500 Present 200-500 Present 2000-500 Present 200-500 Present	181	Absent		Present	2000-5000	Absent		Present	0-2000	Present		Present		Present		Present		Present	0-2000
197NT <td>185</td> <td></td> <td>2000 5000</td> <td></td> <td>2000-5000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2000 5000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0-2000 2000-5000</td>	185		2000 5000		2000-5000								2000 5000						0-2000 2000-5000
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218 222AbsentPresent NT 0.200 AbsentPresent NT 0.200 Present NT 0.200 Present ND 0.200 Present ND 0.200 Present NT 0.200 Present ND 0.200 Present ND 0.200 Present ND 0.200 Present ND 0.200 Present 					0-2000				0-2000		0-2000						0-2000		0-2000
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	218	Absent		Present	0-2000			Present	0-2000	Absent		Absent		Present	0-2000	Present	0-2000	Present	0-2000
230AbsentPresent0.2000AbsentPresent0.2000Present0.2000AbsentAbsen					2000-5000				2000-5000		2000-5000		2000-5000		0-2000		2000-5000		2000-5000
242NT </td <td>230</td> <td></td> <td></td> <td></td> <td>0-2000</td> <td></td> <td></td> <td></td> <td>0-2000</td> <td></td> <td>0-2000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0-2000</td>	230				0-2000				0-2000		0-2000								0-2000
252Absent<	232			Absent NT				Absent NT		Absent NT		Absent NT							
288 Absent Present 2000-5000 Absent Present 2000-5000 Present 2000-5000 Absent Present 2000-5000 Present 2000-5000 Absent Present 2000-5000 Present 2000-5000 Absent Present 2000-5000 Present 2000-5000 Present 2000-5000 Present 2000-5000 Absent Present 2000-5000 Present 200	252	Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent		Absent	
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284 Absent Present 2000-5000 Absent Present 2000-5000 Present 2000-5000 Present 2000-5000 Absent Present 2000-5000 Present <td>273</td> <td>Absent</td> <td></td> <td>Present</td> <td></td> <td>Absent</td> <td></td> <td>Present</td> <td></td> <td>Present</td> <td></td> <td>Present</td> <td></td> <td>Absent</td> <td></td> <td>Present</td> <td></td> <td>Present</td> <td>2000-5000</td>	273	Absent		Present		Absent		Present		Present		Present		Absent		Present		Present	2000-5000
292 Absent Present 2000-5000 Absent Present 2000-5000 Present 2000-	277				2000 5000				2000 5000		2000 5000		2000 5000				2000 5000		2000-5000
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302 Absent 303 Absent Present 0-2000 Absent 0-2000 Present 0-2000 Absent Absent Present 0-2000 Present 304 Absent Present 0-2000 Present 0-2000 Present 0-2000 Present 0-2000 Present													2000-5000						2000-5000
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UK	NEQAS
Internat	ional Quality Expertise

								UK NEQAS fo	r H&I - SCHI	EME 3 - HLA AI	NTIBODY	SPECIFICIT	Y ANALYSIS	;
301-2019 CII	DPB1*18:01		DPB1*19:01		DPB1*20:01		DPB1*23:01		DPB1*28:01					
Total distributed	69		69		69		69		69					
Total submitted	68		68		68		68		68					
Absent	5		63		17		63		6					
Present % Absent	59 7.8		1 98.4		47 26.6		1 98.4		58 9.4					
% Present	92.2		98.4 1.6		73.4		1.6		90.6					
Consensus	Present		Absent		-		Absent		Present					
Unacceptable	Absent		Present				Present		Absent					
Number acceptable	59		63		-		63		58					
Number unacceptable	6		2		-		2		7					
Assessed Z														
Comments													Asess	ement
Lab	DPB1*18:01	DPB1*18:01 MFI	DPB1*19:01	DPB1*19:01 MFI	DPB1*20:01	DPB1*20:01 MFI	DPB1*23:01	DPB1*23:01 MFI	DPB1*28:01	DPB1*28:01 MFI	Received	Tested	Presence	Absence
9	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	06/06/2019	09/06/2019	100%	100%
11	Present	2000-5000	Absent		Present	0-2000	Absent		Present	2000-5000	04/06/2019	11/06/2019	100%	100%
12	Present		Absent		Present		Absent		Present		04/06/2019	06/06/2019	100%	83.30%
14 15	Present Present	0-2000	Absent Absent		Present Present	0-2000	Absent Absent		Present Present	0-2000	05/06/2019 06/06/2019	21/06/2019 11/06/2019	100% 78.60%	100% 100%
19	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	10/06/2019	78.60%	100%
20	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	01/07/2019	78.60%	100%
23	Present		Absent		Present		Absent		Present		05/06/2019	07/06/2019	100%	100%
24	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	18/06/2019	100%	100%
25 26	Present Present	2000-5000	Absent Absent		Present	2000-5000	Absent Absent		Present	2000-5000	05/06/2019 05/06/2019	07/06/2019 10/06/2019	100% 100%	100% 100%
26	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	04/07/2019	100%	100%
34	Present	0-2000	Absent		Present	0-2000	Absent		Present	0-2000	05/06/2019	06/06/2019	78.60%	100%
35	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	10/06/2019	100%	100%
38	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	5001-9999	05/06/2019	07/06/2019	100%	100%
39	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	11/06/2019	78.60%	100%
41 42	Present Present	2000-5000 2000-5000	Absent Absent		Present Present	2000-5000 2000-5000	Absent Absent		Present Present	2000-5000 2000-5000	04/06/2019 04/07/2019	13/06/2019 05/07/2019	92.90% 100%	100% 100%
42	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	0000-00-00	20/06/2019	100%	100%
48	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	06/06/2019	07/06/2019	100%	100%
51	Present	0-2000	Absent		Present	0-2000	Absent		Present	0-2000	05/06/2019	17/07/2019	100%	100%
54	Present	5001-9999	Absent		Present	2000-5000	Absent		Present	5001-9999	05/06/2019	12/06/2019	100%	100%
58 62	Present Present	2000-5000	Absent Absent		Present Present	2000-5000	Absent Absent		Present Present	2000-5000	05/06/2019 05/06/2019	07/06/2019 04/07/2019	100% 100%	100% 100%
100	Present	0-2000	Absent		Absent	2000-5000	Absent		Present	0-2000	06/06/2019	12/06/2019	92.90%	100%
112	Present	0-2000	Absent		Absent		Absent		Present	0-2000	10/06/2019	20/06/2019	64.30%	100%
114	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	19/06/2019	78.60%	100%
116	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	06/06/2019	11/06/2019	100%	100%
117	Present		Absent		Present		Absent		Present		06/06/2019	05/07/2019	100%	100%
119 120	Present Present	2000-5000 2000-5000	Absent Absent		Present Present	2000-5000 2000-5000	Absent Absent		Present Present	2000-5000 2000-5000	05/06/2019 05/06/2019	13/06/2019 21/06/2019	92.90% 100%	100% 100%
120	Present	2000-5000	Absent		Absent	2000-5000	Absent		Present	2000-5000	21/06/2019	27/06/2019	78.60%	100%
136	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	06/06/2019	71.40%	100%
142	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	06/06/2019	07/06/2019	100%	100%
143	Present	≥10000	Absent		Absent		Absent		Present	≥10000	10/06/2019	14/06/2019	100%	100%
145	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	06/06/2019	100%	100%
149 157	Present Present	0-2000 2000-5000	Absent Absent		Absent Present	2000-5000	Absent Absent		Present Present	0-2000 2000-5000	06/06/2019 05/06/2019	07/06/2019 18/06/2019	92.90% 100%	100% 100%
160	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	14/06/2019	78.60%	100%
162	Present	5001-9999	Absent		Present	5001-9999	Absent		Present	5001-9999	05/06/2019	10/07/2019	92.90%	100%
165	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	24/06/2019	01/07/2019	92.90%	66.70%
169	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	14/06/2019	71.40%	100%
181 185	Present Present	2000-5000 2000-5000	Absent Absent		Present Absent	2000-5000	Absent Absent		Present Present	2000-5000 2000-5000	05/06/2019 05/06/2019	11/06/2019 05/06/2019	100% 92.90%	100% 100%
195	Present	2000-5000	Present	2000-5000	Present	2000-5000	Present	2000-5000	Absent	2000 0000	07/06/2019	07/06/2019	85.70%	50%
197	NT		NT		NT		NT		NT		0000-00-00	0000-00-00	Not assessed	Not assessed
206	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	04/06/2019	13/06/2019	100%	100%
212 216	Present Absent	0-2000	Absent Absent		Absent Absent		Absent Absent		Present Absent	0-2000	08/06/2019 0000-00-00	19/06/2019 09/07/2019	71.40% 7.10%	100% 100%
218	Absent		Absent		Absent		Absent		Absent		08/07/2019	08/07/2019	42.90%	100%
222	NT		NT		NT		NT		NT		0000-00-00	0000-00-00	Not assessed	
227	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	05/06/2019	16/07/2019	100%	100%
230	Present	0-2000	Absent		Absent		Absent		Present	0-2000	24/06/2019	25/06/2019	71.40%	100%
232 242	Absent		Absent		Absent		Absent		Absent		10/06/2019	12/07/2019	28.60%	100%
242 252	NT Absent		NT Absent		NT Absent		NT Absent		NT Absent		0000-00-00 27/06/2019	0000-00-00 05/07/2019	Not assessed 28.60%	Not assessed 100%
267	Present	0-2000	Absent		Absent		Absent		Present	0-2000	05/06/2019	26/06/2019	85.70%	83.30%
268	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	11/06/2019	14/06/2019	78.60%	100%
273	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	2000-5000	04/06/2019	06/06/2019	100%	100%
277 284	NT Present	2000-5000	NT Absent		NT Present	2000-5000	NT Absent		NT Present	2000-5000	06/06/2019 05/06/2019	20/06/2019 11/06/2019	Not assessed 100%	Not assessed 100%
284 292	Present Present	2000-5000 2000-5000	Absent Absent		Present Absent	2000-5000	Absent Absent		Present Present	2000-5000 2000-5000	05/06/2019 07/06/2019	11/06/2019 12/06/2019	100% 100%	100% 100%
292 293	Present	2000-5000 5001-9999	Absent		Present	5001-9999	Absent		Present	2000-5000 5001-9999	06/06/2019	13/07/2019	100%	100%
294	Present	0-2000	Absent		Absent		Absent		Present	0-2000	05/06/2019	07/06/2019	92.90%	100%
302	Absent		Absent		Absent		Absent		Absent		10/06/2019	03/07/2019	28.60%	100%
303	Present	2000-5000	Absent		Present	2000-5000	Absent		Present	5001-9999	05/06/2019	12/06/2019	100%	100%
309 351	Present	0-2000	Absent		Absent		Absent		Present	0-2000	07/06/2019	19/06/2019	71.40% 0%	100%
351	NT		NT		NT		NT		NT		0000-00-00	0000-00-00		• · · ·
411	Present	5001-9999	Absent		Present	2000-5000	Absent		Present	2000-5000		11/06/2019	100%	100%

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