

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

2B01/2019 PC				
T-cells	Serum 1	Serum 2	Serum 3	Serum 4
Total distributed	36	36	36	36
Total submitted	35	35	35	35
Not Tested	6	3	3	3
Negative	17	29	31	3
Positive	12	3	1	28
Equivocal	-	-	-	1
% Negative	58.6	90.6	96.9	9.4
% Positive	41.4	9.4	3.1	87.5
% Equivocal	-	-	-	3.1
Consensus	-	Negative	Negative	Positive
Unacceptable	-	Positive	Positive	Negative
Number acceptable	-	29	31	28
Number unacceptable	-	4	2	5
Assessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lab	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Cell viability	Units for cytometer readings	T-cell local neg control	T-cell local pos control	T-cell pos result value
115	Negative	Negative	Negative	Positive	301	326	250	476	0	linear channel shift	291	448	>40 channel shift
117	Not Tested	Negative	Negative	Positive		4.11	3.64	12.69	95	Median Log Channel	3.49	111.4	Ratio (RMF) > 1.3
118	Negative	Negative	Negative	Positive	109	55	54	324	80	MFI	64	742	130 (64+66)
120	Negative	Negative	Negative	Positive	1.54	1.37	1.02	6.35	100	Median	76.5	5299.5	ratio > 1.6
122	Positive	Negative	Negative	Positive	16	10	7	76	60	Geo mean liner value	9	67	3SD
126	Not Tested	Not Tested	Not Tested	Not Tested					90	Median Channel			
130	Positive	Negative	Negative	Positive	204	153	140	368	95	Mean channel shift	145	227	>40
133	Not Tested	Negative	Negative	Positive		0.3	0.2	2.4	99	median fluorescent intensity	0.2	94.8	2sd
138	Negative	Negative	Negative	Positive	D=0.03	D= 0.03	D=0.02	D=0.73	95		0	0.92	0.2
139	Positive	Positive	Positive	Positive	0.775	0.592	0.364	7.34	90	MFI	0.241	33.6	1.5 * T-cell local negative control
143	Negative	Negative	Negative	Positive	92	26	-4	398	82.5	9.04 x 10^6 cells/mL	53	3416	Test sample is more than 4,000 median channel shift; or ratio between test sample and negative control is more than 2.5
144	Negative	Negative	Negative	Positive	0.93	1.17	0.92	3.8	87	T-Mean B-median	1028 (mean)	4.94	1.6
145	Positive	Negative	Negative	Positive	0.754	0.503	0.402	0.97	95	median fluorescence intensity	0.503	34.2	mean ratio test/neg +2SD
147	Positive	Positive	Negative	Positive	163.5	163.5	88	303.5	100	LINEAR CHANNEL	94.5	614	> 40 linear channel shift
149	Positive	Negative	Negative	Positive	0.374	0.283	0.318	0.45	70	MEDIAN LOG CHANNEL	0.23	76.8	1.46
154	Negative	Negative	Negative	Positive	74	57	54	354	0	Median fluorescence	52	1255	median>150% of negative control and shape of the cytogram
157	Negative	Negative	Negative	Positive	200	198	156	613	96	median log channel	178	7189	2SD (206)
159	Positive	Negative	Negative	Positive	259 channels	221 channels	186 channels	386 channels	0	channel	179 channels	435 channels	219 (40 linear channel shift)
160	Negative	Negative	Negative	Positive	14	14.5	7.7	58	0	MEAN LINEAR CHANNEL	8.2	217	2SD
167	Positive	Negative	Negative	Positive	344	318	218	683	83	Median log channel	236	14215	2SD
169	Negative	Negative	Negative	Positive	276	225	221	331	96	MEDIAN CHANNEL	250	472	>=50 CHANNEL
190	Not Tested	Negative	Negative	Positive		46.3	35.3	157	90	MFI X-median	35.3	107	ratio > 1.45
191	Negative	Negative	Negative	Positive	15	12	-10	139	80	MFI	0	325	>30 mfi
195	Negative	Negative	Negative	Negative	439	399	375	399	80	MFI	411	1281	ratio>1.30
201	Negative	Negative	Negative	Negative	0.51	0.49	0.47	0.66	97	mean	0.48	NA	higher than 2
218	Positive	Positive	Negative	Positive	206	271	146	236	52	Mean Fluorescent intensity	123	3099	1.2 geometric mean MFI
235	Positive	Negative	Negative	Positive	0.452	0.318	0.348	0.508	85	median log channel	0.30	6.08	above from negative control 0,05 median log channel shift
238	Negative	Negative	Negative	Equivocal	MESF=2496.33	MESF=2273.58	MESF=2302.27	MESF=2840.29	0		MESF=2496.33	MESF=2784.25	
240	Positive	Negative	Negative	Positive	34	25	21	131	50	MFI	21	1108	NC*1,2
246	Positive	Negative	Negative	Positive	1.82	1.27	0.95	4.84	91.8	MFI	-	5.86	1.75
252	Negative	Negative	Negative	Negative	0.74 MCR	0.87 MCR	0.79 MCR	0.80 MCR	65		1037.00%	6043.00%	Median Ratio \hat{A} ± 2SD
260													
276	Negative	Negative	Negative	Positive	243	165	142	738	92	Median fluorescence intensity	309	4529	>1.5x neg ctrl
293	Not Tested	Not Tested	Not Tested	Not Tested					80	Channel Shift			
351	Negative	Negative	Negative	Positive	194.5	177.5	179.5	258	98.6	MCS	167	464	2.5 SD (>50 channel shift)

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

Lab Comments	Received	Tested	Assessment
115	03/04/2019	05/04/2019	100%
117 Ser #1 gave bad replication for both T & B cells	04/04/2019	04/04/2019	100%
118 The quantity of cells available to work with was very low, because the sample again had clots.	03/04/2019	03/04/2019	100%
120	03/04/2019	04/04/2019	100%
122	03/04/2019	04/04/2019	100%
126 Samples could not be tested properly since too few cells were obtained	03/04/2019	0000-00-00	Not assessed
130	03/04/2019	04/04/2019	100%
133 There is a discrepancy, a weak + T cell Xm (MFI: 1.5) and negative B cell XM, that is why we prefer to submit as NT Although a similar discrepancy present for serum 4 we prefer to report as positive because of higher MFI values (MFI: 2,4)	04/04/2019	05/04/2019	100%
138	03/04/2019	0000-00-00	100%
139	05/04/2019	05/04/2019	33%
143 B cell flow cytometry crossmatch is not available by our laboratory. However, we do perform Luminex SAB Class I and II as diagnostic services for comprehensive HLA testing.	04/04/2019	04/04/2019	100%
144	03/04/2019	03/04/2019	100%
145	03/04/2019	04/04/2019	100%
147	03/04/2019	04/04/2019	67%
149	03/04/2019	04/04/2019	100%
154	04/04/2019	04/04/2019	100%
157	03/04/2019	03/04/2019	100%
159 Not enough B cell lymphocytes	04/04/2019	04/04/2019	100%
160	03/04/2019	04/04/2019	100%
167	04/04/2019	05/04/2019	100%
169	04/04/2019	04/04/2019	100%
190	03/04/2019	04/04/2019	100%
191	04/04/2019	05/04/2019	100%
195	05/04/2019	05/04/2019	67%
201 Clotted cells, as we reported.	03/04/2019	04/04/2019	67%
218 Poor viability	09/04/2019	10/04/2019	67%
235	03/04/2019	03/04/2019	100%
238	03/04/2019	04/04/2019	67%
240	04/04/2019	04/04/2019	100%
246	03/04/2019	03/04/2019	100%
252	04/04/2019	12/04/2019	67%
260	0000-00-00	0000-00-00	Not tested
276	03/04/2019	04/04/2019	100%
293 We (lab # 293) are unable to send the results for scheme 2B. We use DAKO IgG-FITC labelled antibody in routine practice which was not available due to delay in our order.	04/04/2019	0000-00-00	Not assessed
351	07/04/2019	08/04/2019	100%

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

2B01/2019 PC	Serum 1	Serum 2	Serum 3	Serum 4
B-cells				
Total distributed	32	32	32	32
Total submitted	31	31	31	31
Not Tested	5	4	4	4
Negative	20	18	26	9
Positive	6	9	1	16
Equivocal	-	-	-	2
% Negative	76.9	66.7	96.3	33.3
% Positive	23.1	33.3	3.7	59.3
% Equivocal	-	-	-	7.4
Consensus	Negative	-	Negative	-
Unacceptable	Positive	-	Positive	-
Number acceptable	20	-	26	-
Number unacceptable	10	-	5	-
Assessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lab	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Cell viability	Units for cytometer readings	B-cell local neg control	B-cell local pos control	B-cell pos result value
115	Negative	Positive	Negative	Positive	395	518	279	493	0	linear channel shift	407	640	>60 channel shift
117	Not Tested	Positive	Negative	Positive		34.55	9.73	24.81	95	Median Log Channel	9.49	167.51	Ratio (RMF) > 1.5
118	Positive	Positive	Negative	Positive	100	157	84	144	80	MFI	61	672	86.5 (61+25.5)
120	Negative	Positive	Negative	Positive	1.18	2.02	0.87	2.15	100	Median	441	7939.5	ratio > 2
122	Negative	Negative	Negative	Negative	96.5	160.5	76	160.5	60	Geo mean liner value	100	271	3SD
126	Not Tested	Not Tested	Not Tested	Not Tested					90	Median Channel			
130	Negative	Positive	Negative	Positive	285	406	265	381	95	Mean channel shift	264	411	>80
133	Negative	Negative	Negative	Negative	10	4.4	3.0	4.8	99	median fluorescent Intensity	5.5	112	2sd
138									95				
139	Positive	Positive	Positive	Positive	4.68	12	3.95	8.48	90	MFI	0.401	201	2 * B-cell local negative control
143					NT	NT	NT	NT	82.5	9.04 x 10 ⁶ cells/mL	NT	NT	NT
144	Negative	Negative	Negative	Negative	0.96	2.42	1.03	2.33	87	T-Mean B-median	2285 (Median)	4.66	2.6
145	Positive	Negative	Negative	Positive	1.17	0.944	0.997	1.24	95	median fluorescence intensity	0.775	32	ratio test/neg+2SD
147	Positive	Positive	Negative	Positive	315.5	377.5	239	341.5	100	LINEAR CHANNEL	254	687.5	> 60 linear channel shift
149	Positive	Negative	Negative	Positive	1.36	0.95	0.62	1.32	70	MEDIAN LOG CHANNEL	0.84	67.1	1.46
154	Negative	Negative	Negative	Positive	213	285	247	492	0	Median fluorescence	182	1372	median>250% of negative control and shape of the cytogram
157	Negative	Positive	Negative	Positive	350	536	228	428	96	median log channel	346	13173	2SD (382)
159	Not Tested	Not Tested	Not Tested	Not Tested					0	channel			
160	Negative	Negative	Negative	Positive	83	58	61	158	0	MEAN LINEAR CHANNEL	37	444	2SD
167	Negative	Negative	Negative	Negative	2629	2652	2164	2200	83	Median log channel	2001	24153	2SD
169	Negative	Negative	Negative	Negative	404	372	348	337	96	MEDIAN CHANNEL	406	586	>= 80 CHANNEL
190	Negative	Positive	Negative	Positive	156	327.3	112	298	90	MFI X-median	100.3	904	ratio > 2.7
191	Negative	Negative	Negative	Equivocal	-3.6	-14	-9	100	80	MFI	0	430	>100 MFI
195	Negative	Negative	Negative	Negative	553	587	417	400	80	MFI	539	3138	ratio > 1.60
201	Negative	Negative	Negative	Negative	0.56	0.73	0.41	0.82	97	mean	0.46	NA	higher than 2.5
218	Positive	Positive	Negative	Positive	355	509	233	342	52	Mean Fluorescent intensity	182	3018	1.7x geom mean MFI negative control
235	Positive	Negative	Negative	Positive	0.702	0.602	0.608	0.747	85	median log channel	0.499	11.3	0.15 median log channel shift above the negative control
238	Negative	Negative	Negative	Equivocal	MESF=4206.30	MESF=5868.26	MESF=3959.34	MESF=4066.93	0		MESF=4131.32	MESF=7906.15	
240									50	MFI			
246	Negative	Negative	Negative	Negative	1.79	1.76	1.17	1.64	91.8	MFI	-	20.22	2.5
252	Negative	Negative	Negative	Positive	1.09 MCR	1.134 MCR	0.66 MCR	1.24 MCR	65		28387.00%	53761.00%	Median Ratio $\hat{\pm}$ 2SD
260													
276	Negative	Negative	Negative	Positive	455	1580	377	2274	92	Median fluorescence intensity	1474	7364	>1.5x neg ctrl
293	Not Tested	Not Tested	Not Tested	Not Tested					80	Channel Shift			
351	Negative	Negative	Negative	Negative	280.5	285	260.5	286.5	98.6	MCS	246	475	2.5 SD (>86 channel shift)
392	Not Tested	Not Tested	Not Tested	Not Tested					0				

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

Lab Comments	Received	Tested	Assessment
115	03/04/2019	05/04/2019	100%
117 Ser #1 gave bad replication for both T & B cells	04/04/2019	04/04/2019	100%
118 The quantity of cells available to work with was very low, because the sample again had clots.	03/04/2019	03/04/2019	Not assessed
120	03/04/2019	04/04/2019	100%
122	03/04/2019	04/04/2019	100%
126 Samples could not be tested properly since too few cells were obtained	03/04/2019	0000-00-00	Not assessed
130	03/04/2019	04/04/2019	100%
133 There is a discrepancy , a weak + T cell Xm (MFI: 1,5) and negative B cell XM, that is why we prefer to submit as NT Although a similar discrepancy present for serum 4 we prefer to report as positive because of higher MFI values (MFI: 2,4)	04/04/2019	05/04/2019	100%
138	03/04/2019	0000-00-00	Not assessed
139	05/04/2019	05/04/2019	0%
143 B cell flow cytometry crossmatch is not available by our laboratory. However, we do perform Luminex SAB Class I and II as diagnostic services for comprehensive HLA testing.	04/04/2019	04/04/2019	Not assessed
144	03/04/2019	03/04/2019	100%
145	03/04/2019	04/04/2019	50%
147	03/04/2019	04/04/2019	50%
149	03/04/2019	04/04/2019	50%
154	04/04/2019	04/04/2019	100%
157	03/04/2019	03/04/2019	100%
159 Not enough B cell lymphocytes	04/04/2019	04/04/2019	Not assessed
160	03/04/2019	04/04/2019	100%
167	04/04/2019	05/04/2019	100%
169	04/04/2019	04/04/2019	100%
190	03/04/2019	04/04/2019	100%
191	04/04/2019	05/04/2019	100%
195	05/04/2019	05/04/2019	100%
201 Clotted cells, as we reported.	03/04/2019	04/04/2019	100%
218 Poor viability	09/04/2019	10/04/2019	50%
235	03/04/2019	03/04/2019	50%
238 pour le sÃ©rum 4, positivitÃ© faible anti-C	03/04/2019	04/04/2019	100%
240	04/04/2019	04/04/2019	Not assessed
246	03/04/2019	03/04/2019	100%
252	04/04/2019	12/04/2019	100%
260	0000-00-00	0000-00-00	Not tested
276	03/04/2019	04/04/2019	100%
293 We (lab # 293) are unable to send the results for scheme 2B. We use DAKO IgG-FITC labelled antibody in routine practice which was not available due to delay in our order.	04/04/2019	0000-00-00	Not assessed
351	07/04/2019	08/04/2019	100%
392 Registration withdrawn	0000-00-00	0000-00-00	Not assessed

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

2B02/2019 PC				
T-cells	Serum 1	Serum 2	Serum 3	Serum 4
Total distributed	36	36	36	36
Total submitted	35	35	35	35
Not Tested	5	4	4	4
Positive	4	31	-	-
Negative	26	-	31	31
% Positive	13.3	100	-	-
% Negative	86.7	-	100	100
Consensus	Negative	Positive	Negative	Negative
Unacceptable	Positive	-	-	-
Number acceptable	26	31	31	31
Number unacceptable	5	1	1	1
Assessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lab	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Cell viability	Units for cytometer readings	T-cell local neg control	T-cell local pos control	T-cell pos result value
115	Positive	Positive	Negative	Negative	435	658	317	374	0	linear channel shift	370	446	>40 channel shift
117	Negative	Positive	Negative	Negative	4.71	113.65	4.71	4.96	95	Median Log Channel	4.57	119.75	Ratio (RMF) > 1.3
118	Positive	Positive	Negative	Negative	155	502	129	119	80	MFI	81	808	147 (81+66)
120	Negative	Positive	Negative	Negative	1.29	22.99	1.07	1.11	100	Median	91	8623.5	ratio > 1.6
122	Negative	Positive	Negative	Negative	10	353.5	8	1.07	80	Geo mean linear value	8	60	3SD
126	Not Tested	Not Tested	Not Tested	Not Tested					90	Median channel			
130	Negative	Positive	Negative	Negative	174	474	179	182	95	Mean channel shift	174	317	>40
133	Negative	Positive	Negative	Negative	0.6	21.8	0.5	0.5	99	median fluorescent intensity	0.3	85.8	2sd
138	Negative	Positive	Negative	Negative	D= 0.06	D= 0.93	0.05	D=0.06	95		0	D=0.95	D=0.20
139	Negative	Positive	Negative	Negative	0.613	26.8	0.452	0.452	90	MFI	0.452	31.5	1.5 * T-cell local negative control
143	Not Tested	Not Tested	Not Tested	Not Tested	NT	NT	NT	NT	78.6	13.6 x10 ⁶ cells/mL	NT	NT	NT
144	Negative	Positive	Negative	Negative	1.01	14	1.02	1.07	82	t-mean B-median	1226	5.57	1.6
145	Negative	Positive	Negative	Negative	0.555	4.9	0.608	0.592	78	median fluorescence intensity	0.641	33.3	mean ratio test/neg +2 SD
147	Positive	Positive	Negative	Negative	180	512.5	112	141.5	100	LINEAR CHANNEL	111	685	> 40 LINEAR CHANNEL SHIFT
149	Negative	Positive	Negative	Negative	0.32	2.54	0.32	0.52	88	MEDIAN LOG CHANNEL	0.37	61	1.46
154	Negative	Positive	Negative	Negative	72	1585	95	87	0	median fluorescence intensity	66	1218	median>150%negative control and shape of the cytogram
157	Negative	Positive	Negative	Negative	199	1736	169	165	93	median log channel	183	9059	2SD (211)
159	Negative	Positive	Negative	Negative	224 channels	599 channels	202 channels	196 channels	0	channels	183 channels	532 channels	283 (100 linear channel shift)
160	Negative	Positive	Negative	Negative	14.3	422	12.1	13.8	0	MEAN LINEAR CHANNEL	9.4	339	2SD
167	Positive	Positive	Negative	Negative	376	4970	243	231	87	Median log channel	230	7301	2SD
169	Negative	Positive	Negative	Negative	235	500	223	229	97	MEDIAN CHANNEL	244	556	>=50 CANNEL
190	Not Tested	Positive	Negative	Negative		716.7	44	47.7	65	MFI X-median	37.7	299	ratio > 1.45
191	Negative	Positive	Negative	Negative	3	309	-8	-1.6	85	MFI	0	363	>30 MFI
195	Negative	Positive	Negative	Negative	433	1541	420	433	80	MFI	444	1898	ratio >1.3
201	Negative	Positive	Negative	Negative	0.48	1.69	0.49	0.5	97	mean	0.49	NA	higher than 2.0
218	Negative	Positive	Negative	Negative	162	517	150	142	0	mean fluorescent intensity	166	2719	1.2x negative geometric mean
235	Negative	Positive	Negative	Negative	0.361	1.68	0.354	0.39	85	median log channel	0.33	9.19	0.05 median log channel shift above the negative control
238	Negative	Positive	Negative	Negative	MESF=2118.30	MESF=10387.78	MESF=2301.05	MESF=2482.12	0		MESF=2179.41	MESF=10199.34	
240	Negative	Positive	Negative	Negative	25	676	21	21	60	MFI	21	1250	NC*1.2
246	Negative	Positive	Negative	Negative	1.2	29.27	0.97	1.08	81.8	MFI	-	4.51	1.75
252	Negative	Positive	Negative	Negative	0.83 MCR	2.66 MCR	0.75 MCR	0.709 MCR	70		764.00%	6264.00%	Median Ratio \hat{A} ± 2SD
260													
276	Negative	Positive	Negative	Negative	204	5247	155	113	93	Median fluorescence intensity	365	11201	>1.5x neg ctrl
293	Not Tested	Not Tested	Not Tested	Not Tested					80	Channel Shift			
351	Negative	Positive	Negative	Negative	196.5	400.5	191	198	99.8	MCS	182	441	2.5 SD (>50 channel shift)
392	Not Tested	Not Tested	Not Tested	Not Tested					0				

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

Lab	Comments	Received	Tested	Assessment
115		03/04/2019	05/04/2019	75%
117		04/04/2019	04/04/2019	100%
118	The quantity of cells available to work with was very low, because the sample again had clots.	03/04/2019	03/04/2019	75%
120		03/04/2019	04/04/2019	100%
122		03/04/2019	04/04/2019	100%
126	Samples could not be tested properly since too few cells were obtained	03/04/2019	0000-00-00	Not assessed
130		03/04/2019	04/04/2019	100%
133		04/04/2019	05/04/2019	100%
138		03/04/2019	03/04/2019	100%
139		05/04/2019	05/04/2019	100%
143	1) Poor cell viability (<80% cutoff). For routine diagnostic test, we would request new sample for testing. 2) B cell flow cytometry crossmatch is not available by our laboratory. However, we do perform Luminex SAB Class I and II as diagnostic services for comprehensive HLA testing.	04/04/2019	0000-00-00	Not assessed
144		03/04/2019	03/04/2019	100%
145		03/04/2019	04/04/2019	100%
147		03/04/2019	04/04/2019	75%
149		03/04/2019	04/04/2019	100%
154		04/04/2019	04/04/2019	100%
157		03/04/2019	03/04/2019	100%
159		04/04/2019	04/04/2019	100%
160		03/04/2019	04/04/2019	100%
167		04/04/2019	05/04/2019	75%
169		04/04/2019	04/04/2019	100%
190		03/04/2019	04/04/2019	100%
191		04/04/2019	05/04/2019	100%
195		05/04/2019	05/04/2019	100%
201	Clotted cells	03/04/2019	04/04/2019	100%
218		09/04/2019	10/04/2019	100%
235		03/04/2019	03/04/2019	100%
238		03/04/2019	04/04/2019	100%
240		04/04/2019	04/04/2019	100%
246		03/04/2019	03/04/2019	100%
252		04/04/2019	12/04/2019	100%
260		0000-00-00	0000-00-00	Not tested
276		03/04/2019	05/04/2019	100%
293	We (lab # 293) were unable to send the results for scheme 2B. We use DAKO IgG-FITC labelled antibody in routine practice which was not available due to delay in our order.	04/04/2019	0000-00-00	Not assessed
351		07/04/2019	08/04/2019	100%
392	Registration withdrawn	0000-00-00	0000-00-00	Not assessed

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

2B02/2019 PC	Serum 1	Serum 2	Serum 3	Serum 4
B-cells				
Total distributed	32	32	32	32
Total submitted	31	31	31	31
Not Tested	3	3	3	3
Positive	16	27	13	25
Negative	12	1	15	2
Equivocal	-	-	-	1
% Positive	57.1	96.4	46.4	89.3
% Negative	42.9	3.6	53.6	7.1
% Equivocal	-	-	-	3.6
Consensus	-	Positive	-	Positive
Unacceptable	-	Negative	-	Equivocal
				Negative
Number acceptable	-	27	-	25
Number unacceptable	-	5	-	7
Assessed <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Lab	Cytometer Reading				Cell viability								
	Serum 1	Serum 2	Serum 3	Serum 4	Units for cytometer readings	B-cell local neg control	B-cell local pos control	B-cell pos result value					
115	Positive	Positive	Negative	Positive	645	756	524	702	0	linear channel shift	475	705	>60 channel shift
117	Positive	Positive	Negative	Positive	37.69	232.89	18.23	53.19	95	Median Log Channel	16.11	226.75	Ratio (RMF) > 1.5
118	Positive	Positive	Positive	Positive	233	523	213	345	80	MFI	140	728	165.5 (140+25.5)
120	Positive	Positive	Positive	Positive	2.89	15.52	2.43	5.17	100	Median	409.5	8045	ratio > 2
122	Positive	Positive	Negative	Positive	192.5	1181	125	391	80	Geo mean linear value	67.5	242	3SD
126	Not Tested	Not Tested	Not Tested	Not Tested					90	Median channel			
130	Positive	Positive	Positive	Positive	362	517	376	437	95	Mean channel shift	249	474	>80
133	Negative	Positive	Positive	Positive	12.6	105.7	19.6	54.8	99	median fluorescent intensity	4.7	52.5	2sd
138									95				
139	Positive	Positive	Positive	Positive	21.6	72.1	19.6	42.4	90	MFI	3.5	156	2 * B-cell local negative control
143					NT	NT	NT	NT	78.6	13.6 x10 ⁶ cells/mL	NT	NT	NT
144	Positive	Positive	Negative	Positive	2.98	13.16	2.17	4.74	82	t-mean B-median	2565	4.45	2.6
145	Negative	Positive	Negative	Positive	1.9	4.84	0.8	2.88	78	median fluorescence intensity	0.84	27	ratio test / neg +2SD
147	Positive	Positive	Positive	Positive	435.5	631.5	381.5	518	100	LINEAR CHANNEL	259	704	> 60 LINEAR CHANNEL SHIFT
149	Negative	Positive	Negative	Positive	1	7.7	1.03	11.7	88	MEDIAN LOG CHANNEL	1.29	45	1.46
154	Negative	Positive	Positive	Positive	510	5807	1378	2282	0	median fluorescence intensity	249	2918	median>250% negative control and shape of the cytogram
157	Positive	Positive	Positive	Positive	634	3722	545	1307	93	median log channel	352	15253	2SD (388)
159	Positive	Positive	Negative	Positive	495 channels	725 channels	451 channels	563 channels	0	channels	370 channels	656 channels	470 (100 channels shift)
160	Positive	Positive	Negative	Positive	287	1572	124	562	0	MEAN LINEAR CHANNEL	94.5	417	2SD
167	Positive	Positive	Positive	Positive	3871	19434	2554	5202	87	Median log channel	1544	13658	2SD
169	Negative	Positive	Negative	Positive	359	631	399	543	97	MEDIAN CHANNEL	347	683	>= 80 CHANNEL
190	Positive	Positive	Positive	Positive	601.3	1000	530	1000	65	MFI X-median	123	1000	ratio > 2.7
191	Negative	Positive	Negative	Equivocal	-29	232	-16	105	85	MFI	0	276	>100
195	Negative	Positive	Negative	Positive	691	3100	488	1137	80	MFI	622	4135	ratio > 1.6
201	Negative	Positive	Negative	Positive	0.84	4.61	0.82	1.83	97	mean	0.62	NA	higher than 2.5
218	Negative	Negative	Positive	Negative	716	733	1253	733	0	mean fluorescent intensity	566	4268	1.7xgeom mean MFI of negative control
235	Positive	Positive	Positive	Positive	0,863	3,91	0,833	3,07	85	median log channel	0,46	13,7	0,15 median log channel shift above the negative control
238	Negative	Positive	Positive	Positive	MESF=6945.64	MESF=34576.88	MESF=7745.53	MESF=14881.01	60	MFI	MESF=3821.62	MESF=30787.40	
240									81.8	MFI	-	14.8	2.5
246	Negative	Positive	Negative	Positive	2.02	18.87	1.27	4.28	70		13577.00%	33678.00%	Median Ratio $\hat{\pm}$ 2SD
252	Negative	Positive	Negative	Negative	1.07 MCR	1.79 MCR	1.103 MCR	0.969 MCR					
260													
276	Positive	Positive	Negative	Positive	2175	18623	1666	5291	93	Median fluorescence intensity	1174	11841	>1,5x neg ctrl
293	Not Tested	Not Tested	Not Tested	Not Tested					80	Channel Shift			
351	Positive	Positive	Positive	Positive	331.5	572	332.5	428	99.8	MCS	227	465	2.5 SD (>86 channel shift)
392	Not Tested	Not Tested	Not Tested	Not Tested					0				

UK NEQAS for H&I Scheme 2B - Crossmatching by Flow Cytometry

Lab Comments	Received	Tested	Assessment
115	03/04/2019	05/04/2019	100%
117	04/04/2019	04/04/2019	100%
118 The quantity of cells available to work with was very low, because the sample again had clots.	03/04/2019	03/04/2019	Not assessed
120	03/04/2019	04/04/2019	100%
122	03/04/2019	04/04/2019	100%
126 Samples could not be tested properly since too few cells were obtained	03/04/2019	0000-00-00	Not assessed
130	03/04/2019	04/04/2019	100%
133	04/04/2019	05/04/2019	100%
138	03/04/2019	03/04/2019	Not assessed
139	05/04/2019	05/04/2019	100%
143 1) Poor cell viability (<80% cutoff). For routine diagnostic test, we would request new sample for testing. 2) B cell flow cytometry crossmatch is not available by our laboratory. However, we do perform Luminex SAB Class I and II as diagnostic services for comprehensive HLA testing.	04/04/2019	0000-00-00	Not assessed
144	03/04/2019	03/04/2019	100%
145	03/04/2019	04/04/2019	100%
147	03/04/2019	04/04/2019	100%
149	03/04/2019	04/04/2019	100%
154	04/04/2019	04/04/2019	100%
157	03/04/2019	03/04/2019	100%
159	04/04/2019	04/04/2019	100%
160	03/04/2019	04/04/2019	100%
167	04/04/2019	05/04/2019	100%
169	04/04/2019	04/04/2019	100%
190	03/04/2019	04/04/2019	100%
191	04/04/2019	05/04/2019	50%
195	05/04/2019	05/04/2019	100%
201 Clotted cells	03/04/2019	04/04/2019	100%
218	09/04/2019	10/04/2019	0%
235	03/04/2019	03/04/2019	100%
238	03/04/2019	04/04/2019	100%
240	04/04/2019	04/04/2019	Not assessed
246	03/04/2019	03/04/2019	100%
252	04/04/2019	12/04/2019	50%
260	0000-00-00	0000-00-00	Not tested
276	03/04/2019	05/04/2019	100%
293 We (lab # 293) were unable to send the results for scheme 2B. We use DAKO IgG-FITC labelled antibody in routine practice which was not available due to delay in our order.	04/04/2019	0000-00-00	Not assessed
351	07/04/2019	08/04/2019	100%
392 Registration withdrawn	0000-00-00	0000-00-00	Not assessed