

**UK NEQAS FOR H&I PILOT SCHEME – KIR GENOTYPING**

METHODOLOGY

SSP = PCR-SSP, SSOP = PCR-SSOP, revSSOP= reverse SSOP, LUM = Luminex

SAMPLES 4A1 06 - 10/2016  
DISPATCHED ON 14TH JUNE 2016

Lab No.	Date received	Date tested	Method used	Source of Primers and Probes			Kit manufacturer	Detection method	Comments
				Commercial Kits	Own Design	Other			
9	NT	NT	NT	NT	NT	NT	NT	Unable to make a return for the current cycle	
26									
38	15-Jun	20-Jun	SSO	Yes			One Lambda	Fluorescence	
48	16-Jun	06-Jul	SSP	Yes			Olerup	Gel	
158	17-Jun	08-Jul	SSP	Yes			Invitrogen	Gel	
164	21-Jun	08-Jul	SSO	Yes			Immucor	Luminex	
193	15-Jun	22-Jun	SSP			Yes	Multiplex PCR-SSP, KIR primers designed by Daved Senitzer (Sun et al. Tissue Antigens 2004, 64(4):462-8)	Gel	
201	16-Jun	30-Jun	SSP	Yes			Olerup	Gel	
220	21-Jun	06-Jul	SSP	Yes			Invitrogen	Gel	
276	15-Jun	01-Jul	SSP	Yes			Olerup	Fluorescence, Capillary Electrophoresis (Fragment Analyzer AATI)	
300	16-Jun	18-Jun	SSP	Yes			Olerup	Gel, UV-Illuminometer	
343	15-Jun	30-Jun	SSP	Yes			Olerup	Gel	
346	20-Jun	20-Jun	SSP	Yes			Olerup	Gel	

In samples 4A1 06, 07, 08 and 10/2016 we are not able to distinguish whether they are A+B or only B haplotype

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**SAMPLE 4A1 06/2016**

DISPATCHED ON 14TH JUNE 2016

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype A	Haplotype B	Comment
9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
38	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	A	B	
48	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	A	B	
158	Positive	Negative	Positive	Positive	Positive A	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive Del	Positive	Positive	Positive Del			
164	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	A	B	
193	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive Del	Positive	NT	NT	A	B	
201	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive			
220	Positive	Negative	Positive	Positive	Positive A	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive Del	Positive	Positive	Positive Del	A	B	
276	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	A	B	
300	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	A	B	
343	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive			
346	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	A	B	

**UK NEQAS FOR H&I PILOT SCHEME – KIR GENOTYPING**

**SAMPLE 4A1 07/2016**  
DISPATCHED ON 14TH JUNE 2016

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype A	Haplotype B	Comment
9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
38	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
48	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
158	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive Ful	Negative	Positive	Positive Del			
164	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
193	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive Ful	Negative	NT	NT	A	B	
201	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive			
220	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive Ful	Negative	Positive	Positive Del	A	B	
276	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
300	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
343	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive		B	
346	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	

**UK NEQAS FOR H&I PILOT SCHEME – KIR GENOTYPING**

**SAMPLE 4A1 08/2016**

DISPATCHED ON 14TH JUNE 2016

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype A	Haplotype B	Comment
9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
26																			
38	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	A	B	
48	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	A	B	
158	Positive	Positive	Positive	Positive	Positive A	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive Del	Positive	Positive	Positive			
164	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Positive	A	B	
193	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive Del	Positive	NT	NT	A	B	
201	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive			
220	Positive	Positive	Positive	Positive	Positive A	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive Del	Positive	Positive	Positive	A	B	
276	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	A	B	
300	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	A	B	
343	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive			
346	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	A	B	

**UK NEQAS FOR H&I PILOT SCHEME – KIR GENOTYPING**

**SAMPLE 4A1 09/2016**

DISPATCHED ON 14TH JUNE 2016

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype A	Haplotype B	Comment
9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
38	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	A		
48	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	A		
158	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive Del			
164	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	A	<b>B</b>	
193	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	NT	NT	A		
201	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive			
220	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive Del	A		
276	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	A		
300	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	A		
343	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	A		
346	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	A		

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**SAMPLE 4A1 10/2016**

DISPATCHED ON 14TH JUNE 2016

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype A	Haplotype B	Comment
9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
38	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
48	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
158	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive Del	Negative	Positive	Positive Del			
164	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
193	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive Del	Negative	NT	NT	A	B	
201	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive			
220	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive Del	Negative	Positive	Positive Del	A	B	
276	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
300	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	
343	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive		B	
346	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	A	B	

