

UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING

METHODOLOGY

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

SAMPLES 906 - 910/2018

DISPATCHED ON 30TH OCTOBER 2018

Lab No.	Date received	Date tested	Method used	Source of Primers and Probes			Kit manufacturer	Detection method	DNA extraction method	Comments
				Commercial Kits	Own Design	Other				
38	31-Oct	08-Nov	PCR-SSO	Yes			One Lambda	Fluorescence	Automated- Qiagen EZ1 advanced XL	
122	31-Oct	04-Nov								
133	02-Nov	05-Nov	PCR-SSP	Yes			Olerup	Gel		
227	31-Oct	10-Nov								
267	31-Oct	02-Nov	PCR-SSO	Yes			Immucor	Fluorescence	Manual- Qiagen	
276	30-Oct	11-Feb								
281	02-Nov	05-Nov	PCR-SSO	Yes			Labtype (One	Fluorescence		
346	07-Nov	08-Nov	PCR-SSP	Yes			Olerup	Gel		
385	31-Oct	06-Nov								
393	01-Nov	02-Nov	PCR-SSP	Yes			Innotrain, KIR-	Gel	Automated- QIAcube, Qiagen	
403	07-Dec	10-Dec	PCR-SSO	Yes			One Lambda	Fluorescence	Automated- QIASymphony DNA kit, QIASymphony SP	

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SAMPLE 906/2018
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Total tested	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Positive	11	0	11	11	0	11	11	11	0	0	0	0	11	0	11	11
Negative	0	11	0	0	11	0	0	0	11	11	11	11	0	11	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Positive	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	100.0%
% Negative	0.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	0.0%	100.0%	0.0%	0.0%

Consensus Positive Negative Positive Positive Negative Positive Positive Positive Negative Negative Negative Negative Positive Negative Positive Positive

Lab No.																	Haplotype not assessed		
	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype A	Haplotype B	Comment
38	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
122	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive			
133	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
227	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
267	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
276	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
281	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
346	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
385	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
393	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
403	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	

UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING

SAMPLE 907/2018
DISPATCHED ON 30TH OCTOBER 2018

Total tested	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Positive	11	11	11	11	0	11	11	11	0	0	11	0	11	0	11	11
Negative	0	0	0	0	11	0	0	0	11	11	0	11	0	11	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Positive	100.0%	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	100.0%
% Negative	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	0.0%

Consensus Positive Positive Positive Positive Negative Positive Positive Positive Negative Negative Positive Negative Positive Negative Positive Positive

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype not assessed		Comment
																	Haplotype A	Haplotype B	
38	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
122	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive			
133	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
227	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	-	Yes	B haplotypes could be also AB (ie the allele frequencies web)
267	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
276	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
281	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
346	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
385	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
393	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	
403	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Yes	Yes	

UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING

SAMPLE 908/2018
DISPATCHED ON 30TH OCTOBER 2018

Total tested	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Positive	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Negative	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Positive	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% Negative	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Consensus Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype not assessed		Comment	
																	Haplotype A	Haplotype B		
38	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	
122	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive			
133	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	
227	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	-	Yes	B haplotypes could be also AB (ie the allele frequencies web)
267	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	
276	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	AB or B
281	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	
346	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	
385	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	
393	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	
403	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Yes	Yes	

UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING

SAMPLE 909/2018
DISPATCHED ON 30TH OCTOBER 2018

Total tested	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Positive	11	0	10	11	0	11	11	11	0	0	0	0	11	0	11	11
Negative	0	11	1	0	11	0	0	0	11	11	11	11	0	11	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Positive	100.0%	0.0%	90.9%	100.0%	0.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	100.0%
% Negative	0.0%	100.0%	9.1%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	0.0%	100.0%	0.0%	0.0%

Consensus Positive Negative Positive Positive Negative Positive Positive Positive Negative Negative Negative Negative Positive Negative Positive Positive

Lab No.																	Haplotype not assessed		Comment
	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype A	Haplotype B	
38	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
122	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
133	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
227	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
267	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
276	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
281	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
346	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
385	Positive	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
393	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	
403	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes	-	

UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING

SAMPLE 910/2018
DISPATCHED ON 30TH OCTOBER 2018

Total tested	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Positive	11	11	10	11	11	0	11	11	11	11	11	11	0	11	11	11
Negative	0	0	1	0	0	11	0	0	0	0	0	0	11	0	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Positive	100.0%	100.0%	90.9%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%
% Negative	0.0%	0.0%	9.1%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%

Consensus Positive Positive Positive Positive Positive Negative Positive Positive Positive Positive Positive Positive Negative Positive Positive Positive

Lab No.	2DL1	2DL2	2DL3	2DL4	2DL5	3DL1	3DL2	3DL3	3DS1	2DS1	2DS2	2DS3	2DS4	2DS5	2DP1	3DP1	Haplotype not assessed		Comment	
																	Haplotype A	Haplotype B		
38	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
122	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	-	Yes	
133	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	-	Yes	B haplotypes could be also AB (ie the allele frequencies web)
227	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	-	Yes	
267	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
276	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	-	Yes	
281	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	-	Yes	
346	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
385	Positive	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	-	Yes	
393	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
403	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Yes	Yes	