

**UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING**

METHODOLOGY

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

SAMPLES 901 - 905/2018

DISPATCHED ON 24th APRIL 2018

Lab No.	Date received	Date tested	Method used	Source of Primers and Probes			Kit manufacturer	Detection method	DNA extraction method	Comments
				Commercial	Own	Other				
				Kits	Design					
38	25/04/2018	27/04/2018	PCR-SSO	Yes			One Lambda	Fluorescence	Automated- Qiagen EZ1 advanced XL	
133	26/04/2018	02/05/2018	PCR-SSP	Yes			Olerup	Gel		
227	24/04/2018	24/04/2018								
267	26/04/2018	27/04/2018	PCR-SSO	Yes			Immucor	Fluorescence	Manual- Qiagen	
276	24/04/2018	03/05/2018								
281	24/04/2018	02/05/2018	PCR-SSO	Yes			Labtype (One	Fluorescence		
346	30/04/2018	03/05/2018	PCR-SSP	Yes			Olerup	Gel		
385	25/04/2018	26/04/2018								
393	26-Apr	26-Apr	PCR-SSP	Yes			Innotrain, KIR-	Gel	Automated- QIAcube, Qiagen	

**UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING**

**SAMPLE 901/2018**

DISPATCHED ON 24th APRIL 2018

Total tested	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Positive	8	0	8	8	0	8	8	8	0	0	0	0	8	0	8	8
Negative	0	8	0	0	8	0	0	0	8	8	8	8	0	8	0	0
NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
% 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		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		Haplotypes determined with reference to Cooley et al. Blood, 2010
133	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes		samples not tested (absence of laboratory reagents at the oment - Exams not routinely used)
227	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-		
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		

**UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING**

**SAMPLE 902/2018**

DISPATCHED ON 24th APRIL 2018

Total tested	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Positive	8	0	8	8	0	8	8	8	0	0	0	0	8	0	8	8
Negative	0	8	0	0	8	0	0	0	8	8	8	8	0	8	0	0
NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
% 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%

<b>Consensus</b>	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive
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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		
133	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes		
227	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-		samples not tested (absence of laboratory reagents at the oment - Exams not routinely used)
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		

**UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING**

**SAMPLE 903/2018**

DISPATCHED ON 24th APRIL 2018

Total tested	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Positive	8	0	8	8	8	8	8	8	7	8	0	0	8	8	8	8
Negative	0	8	0	0	0	0	0	0	1	0	8	8	0	0	0	0
NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
% Positive	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	87.5%	100.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
% Negative	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

<b>Consensus</b>	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive
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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	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
133	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
227	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-	-	samples not tested (absence of laboratory reagents at the oment - Exams not routinely used)
267	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
276	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
281	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
346	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
385	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	
393	Positive	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Yes	Yes	

**UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING**

**SAMPLE 904/2018**

DISPATCHED ON 24th APRIL 2018

Total tested	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Positive	8	0	8	8	0	8	8	8	0	0	0	8	0	0	8	8
Negative	0	8	0	0	8	0	0	0	8	8	8	8	0	8	0	0
NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
% 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		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		samples not tested (absence of laboratory reagents at the oment - Exams not routinely used)
133	Positive	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Yes		
227	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-		
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		

**UK NEQAS FOR H&I SCHEME 9 – KIR GENOTYPING**

**SAMPLE 905/2018**

DISPATCHED ON 24th APRIL 2018

Total tested	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Positive	8	8	8	8	8	8	8	8	8	8	8	8	8	0	8	8
Negative	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
NT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
% 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%	0.0%	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%	100.0%	0.0%	0.0%

**Consensus** Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive Positive 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	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	
133	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	
227	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-	-	samples not tested (absence of laboratory reagents at the oment - Exams not routinely used)
267	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	
276	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	AB or B
281	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	
346	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	
385	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	
393	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Yes	Yes	