

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

METHODOLOGY

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

SAMPLES 1006 - 10/2017

DISPATCHED ON 05TH SEPTEMBER 2017

Lab No.	Date received	Date tested	Method used	Source of Primers and Probes			Kit manufacturer	Detection method	Comments
				Commercial Kits	Own Design	Other			
20	06-Sep	11-Sep	PCR-SSP		Yes			Gel	
26	06-Sep	13-Sep	SBT	Yes				Fluorescence	
35	06-Sep	25-Sep	PCR-SSP, RT-PCR	Yes	Yes		Innotrain	Gel	
75	06-Sep	07-Sep		Yes			Griffols- ID-HPA-XT	Fluorescence	
120	07-Sep	18-Sep	PCR-SSP	Yes			Mediane-Protrans	Gel	
147	07-Sep	07-Sep	PCR-SSP	Yes			Innotrain	Gel	
180	08-Sep	11-14-Sep							
185	06-Sep	07-Sep	PCR-SSP	Yes			Protrans	Gel	
199									
206	06-Sep	07-Sep	NT	NT	NT	NT	NT	NT	No kit available in the lab for EQC
227	06-Sep	26-Sep							
267			PCR-SSP	Yes			Immucor	Gel	
276	06-Sep	14-Sep	PCR-SSP		Yes			Fluorescence	

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Consensus	Pos 100%	Neg 100%	Neg 100%	Pos 100%	Pos 100%	Pos 100%	Pos 100%	Neg 100%	Pos 100%	Neg 100%	Pos 100%	Neg 100%	Neg 100%	Pos 100%
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Lab No.	HPA-1		HPA-2		HPA-3		HPA-4		HPA-5		HPA-6		HPA-15		Comment
	a	b	a	b	a	b	a	b	a	b	a	b	a	b	
20	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
26	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
35	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
75	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
120	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
147	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	NT	NT	Negative	Positive	
180	Positive	Negative	Negative	Positive	Positive	Positive	NT	NT	Positive	Negative	NT	NT	Negative	Positive	In our routine we don't test for HPA-4 and HPA-6 mainly because we don't have controls to validate these polymorphism; In our population HPA-6 has low frequency and also we don't have reagentes.
185	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
199	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
206	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
227	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
267	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
276	Positive	Negative	Negative	Positive	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	

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

SAMPLE 1007/2017

DISPATCHED ON 05TH SEPTEMBER 2017

Consensus	Pos	Pos	Pos	Neg	Pos	Pos	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Pos
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Lab No.	HPA-1		HPA-2		HPA-3		HPA-4		HPA-5		HPA-6		HPA-15		Comment
	a	b	a	b	a	b	a	b	a	b	a	b	a	b	
20	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
26	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
35	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
75	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
120	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
147	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	NT	NT	Positive	Positive	
180	Positive	Positive	Positive	Negative	Positive	Positive	NT	NT	Positive	Negative	NT	NT	Positive	Positive	
185	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
199	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
206	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
227	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
267	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
276	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	

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

SAMPLE 1008/2017

DISPATCHED ON 05TH SEPTEMBER 2017

Consensus	Pos	Neg	Pos	Neg	Pos	Pos	Pos	Neg	Pos	Neg	Pos	Neg	Neg	Pos
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Lab No.	HPA-1		HPA-2		HPA-3		HPA-4		HPA-5		HPA-6		HPA-15		Comment
	a	b	a	b	a	b	a	b	a	b	a	b	a	b	
20	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
26	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
35	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
75	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
120	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
147	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	NT	NT	Negative	Positive	
180	Positive	Negative	Positive	Negative	Positive	Positive	NT	NT	Positive	Negative	NT	NT	Negative	Positive	
185	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
199	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
206	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
227	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
267	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
276	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	

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

SAMPLE 1009/2017

DISPATCHED ON 05TH SEPTEMBER 2017

Consensus	Pos 100%	Neg 100%	Pos 92.3%	Pos 100%	Pos 92.3%	Neg 100%	Pos 100%	Neg 100%	Pos 100%	Neg 100%	Pos 100%	Neg 100%	Neg 100%	Pos 100%
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Lab No.	HPA-1		HPA-2		HPA-3		HPA-4		HPA-5		HPA-6		HPA-15		Comment
	a	b	a	b	a	b	a	b	a	b	a	b	a	b	
20	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
26	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
35	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
75	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
120	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
147	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	NT	NT	Negative	Positive	
180	Positive	Negative	Positive	Positive	Positive	Negative	NT	NT	Positive	Negative	NT	NT	Negative	Positive	
185	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
199	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
206	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
227	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
267	Positive	Negative	Negative	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	
276	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative	Positive	

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

SAMPLE 1010/2017  
DISPATCHED ON 05TH SEPTEMBER 2017

Consensus	Pos	Neg	Pos	Neg	Pos	Pos	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Pos
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Lab No.	HPA-1		HPA-2		HPA-3		HPA-4		HPA-5		HPA-6		HPA-15		Comment
	a	b	a	b	a	b	a	b	a	b	a	b	a	b	
20	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
26	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
35	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
75	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
120	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
147	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	NT	NT	Positive	Positive	
180	Positive	Negative	Positive	Negative	Positive	Positive	NT	NT	Positive	Negative	NT	NT	Positive	Positive	
185	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
199	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
206	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
227	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
267	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	
276	Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Positive	