

TaqMan Template - *S. pyogenes*

Date: 9/2/2010

PCR *spy* -GAS

Note: GAS detection

	1	2	3	4	5	6	7	8	9	10	11
A											
B											
C											
D											
E											
F											NTC
G											NTC
H											<i>spy</i> positive control

Primers/probe concentration

<i>spy</i> - 300/300/100			<i>spy</i>
Invitrogen-Platinum Quantitative PCR SuperMix-UDG (cat# 11730-017)	Rxn	#	20
	12.5	μl	250
H2O	7	μl	140
50mM MgCl2	1.5	μl	30
Primer F (10uM)	0.75	μl	15
Primer R (10uM)	0.75	μl	15
Probe (10uM)	0.25	μl	5
	22.8	μl	455
DNA/H2O	2.5	μl	

spy probe= FAM

Primer/Probe	number	Dilution	day
primer-F			
primer-R			
probe			

Thermal Cycling	
1X	95°C for 10min
40X	95°C for 15sec
	60°C for 1min