

## Real-time PCR targets for *Streptococcus* species detection

Real Time PCR Target	Primer/P robe	Sequence (5' – 3')	Gene	Accession No.	Location	Conc. (nM)
<i>Streptococcus pyogenes</i> <sup>1</sup>	Forward	GCACTCGCTACTATTTCTTACCTCAA	<i>spy</i>	AE006565	295-320	300
	Reverse	GTCACAATGTCTTGGAAACCAGTAAT			367-392	300
	Probe	5'-FAM-CCGCAAC"TT"CATCAAGGATTTCTGTTACCA-3'-SpC6			325-353	100
<i>Streptococcus pneumoniae</i> <sup>2</sup>	Forward	ACGCAATCTAGCAGATGAAGCA	<i>lytA</i>	EA005672	1841014	200
	Reverse	TCGTGCGTTTTTAATTCCAGCT			1840961	200
	Probe	5'-FAM-TGCCGAAAACGC"TT"TGATACAGGGAG -3'-SpC6			1840985	200
<i>Streptococcus agalactiae</i> <sup>3</sup>	Forward	GGGAACAGATTATGAAAAACCG	<i>cfb</i>	JQ289578	207	200
	Reverse	AAGGCTTCTACACGACTACCAA			311	200
	Probe	5'-FAM-AGACTTCATTGCGTGCCAACCCTGAGAC-3'-BHQ1			263	200
<i>Streptococcus salivarius</i> <sup>4,5</sup>	Forward	CACGCCATGCTGGAAGTG	<i>gtfP</i>	CP013216	756384	200
	Reverse	GCGATGAGCCAAGCTGAAG			756405	200
	Probe	5'-FAM-TTAGCTGCTGCGTAGACTTCGTCT-3'-BHQ1			756433	200
<i>Streptococcus suis</i> <sup>6</sup>	Forward	TCCRATRCTGCTCTGCCATT	<i>fbpS</i>	CP003993	1333350	200
	Reverse	TGATAGTAGAAGTCCAGCACT			1333374	200
	Probe	5'-FAM-AATAGCCC"TT"GAAAAMCAGCCACWYTTTGGARA-3'-6SpC;			1333435	100

<sup>1</sup>Kodani et al., 2011. Application of TaqMan low-density arrays for simultaneous detection of multiple respiratory pathogens. J Clin Microbiol. 49(6):2175-82.

<sup>2</sup>Carvalho, Mda G. et al 2007. Evaluation and improvement of real-time PCR assays targeting *lytA*, *ply*, and *psaA* genes for detection of pneumococcal DNA. J Clin Microbiol. 45:2460-6.

<sup>3</sup>Diaz et al. 2013. Optimization of Multiple Pathogen Detection Using the TaqMan Array Card: Application for a Population-Based Study of Neonatal Infection. PLoS One 21;8(6):e66183.

<sup>4</sup>Seow et al. 2009. Oral Streptococcus species in pre-term and full-term children – a longitudinal study. Int J Peadiatr Dent 19: 406–411.

<sup>5</sup>Srinivasan et al. 2012. Using PCR-based detection and genotyping to trace *Streptococcus salivarius* meningitis outbreak strain to oral flora of radiology physician assistant. PLoS ONE 7(2): e32169. doi:10.1371/journal.pone.0032169

<sup>6</sup>Srinivasan et al. 2016. Species-specific real-time PCR assay for the detection of *Streptococcus suis* from clinical specimens. Diagn Microbiol Infect Dis. 85(2): 131-132.