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

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| **Real Time PCR Target** | **Primer/Probe** | **Sequence (5’ – 3’)** | **Gene** | **Accession**  **No.** | **Location** | **Conc. (nM)** |
| *Streptococcus pyogenes*1 | Forward | GCACTCGCTACTATTTCTTACCTCAA | *spy* | AE006565 | 295-320 | 300 |
| Reverse | GTCACAATGTCTTGGAAACCAGTAAT | 367-392 | 300 |
| Probe | 5'-FAM-CCGCAAC"T"CATCAAGGATTTCTGTTACCA-3'-SpC6 “T” = BHQ1 | 325-353 | 100 |
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| *Streptococcus pneumoniae*2 | Forward | ACGCAATCTAGCAGATGAAGCA | *lytA* | EA005672 | 1841014 | 200 |
| Reverse | TCGTGCGTTTTAATTCCAGCT | 1840961 | 200 |
| Probe | 5'-FAM-TGCCGAAAACGC"T"TGATACAGGGAG -3'-SpC6 “T” = BHQ1 | 1840985 | 200 |
|  | | | | | | |
| *Streptococcus agalactiae*3 | Forward | GGGAACAGATTATGAAAAACCG | *cfb* | JQ289578 | 207 | 200 |
| Reverse | AAGGCTTCTACACGACTACCAA | 311 | 200 |
| Probe | 5’-FAM-AGACTTCATTGCGTGCCAACCCTGAGAC-3’-BHQ1 | 263 | 200 |
|  | | | | | | |
| *Streptococcus salivarius4,5* | Forward | CACGCCATGCTGGAAGTG | *gtfP* | CP013216 | 756384 | 200 |
| Reverse | GCGATGAGCCAAGCTGAAG | 756405 | 200 |
| Probe | 5’-FAM-TTAGCTGCTGCGTAGACTTCGTCT-3’-BHQ1 | 756433 | 200 |
|  | | | | | | |
| *Streptococcus suis6* | Forward | TCCRATRCTGCTCTGCCATT | *fbpS* | CP003993 | 1333350 | 200 |
| Reverse | TGATAGTAGAAGTCCAGCARACT | 1333374 | 200 |
| Probe | 5’-FAM-AATAGCCC"T"GAAAAMCAGCCACWYTTTGARA-3’-6SpC; “T” = BHQ1 | 1333435 | 100 |

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

2Carvalho, Mda G. *et al* 2007. Evaluation and improvement of real-time PCR assays targeting *lyt*A, *ply*, and *psa*A genes for detection of pneumococcal DNA. J Clin Microbiol. 45:2460-6.

3Diaz 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.

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

5Srinivasan 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

6Srinivasan 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.