

Resource Summary Report

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Human Parechovirus A real-time RT-PCR ["Nix assay"; 2017-]

DOI:10.17504/protocols.io.k2kcyw

Type: Protocol

Proper Citation

Ian Mackay 2017. Human Parechovirus A real-time RT-PCR ["Nix assay"; 2017-].
protocols.io dx.doi.org/10.17504/protocols.io.k2kcyw

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.k2kcyw>

Authors: Ian Mackay

Summary: This version is based on a recipe (see forked version) my team and I used this assay between 2008-2015; we dubbed it the 'Nix assay'. It targets the 5'UTR and employs quite degenerate oligos. In silico sequence alignments indicated the oligonucleotides could theoretically detect at least HPeV 1-7, 17 and 18. Further validation of this recipe is ongoing. However during a period of assay comparison, another assay (see link below), the 'Benschop assay' (J.Clin.Virol. 2008. 41(2):69-74), was found to produce more sigmoidal and higher curves and 1-5 cycle improvements to CT values when compared among the sample sample extract set.

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