

Amplification of Hepatitis delta virus genome region position 912-1264

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Abstract

This protocol has been very widely used in our laboratory. The local lab labeling is called « amplification of the *R0* region », However it is clearer to say that the amplicon corresponds to position 912 to 1264 of reference sequence from Kuo et al 1988, excluding the primer sequences. Sens primer is a 22 mer well conserved as locate complementary to the antigenomic ribozyme sequence cleavage site. The sens primer sequence 890->911 is 5' CAT gCC gAC CCg AAG AGG AAA g 3'. Antisens primer corresponding to the antigenomic sequence 1288->1265: 5' gAA ggA Agg CCC TCg AgA ACA AgA 3' which is in the HD gene, corresponding to the sequence of the peptide 'RKALENK' located at the end of the first arginin rich motif.

As this amplicon also contains the sequence coding the carboxyterminal extention of L-HDAg, it has been widely used for genotyping although caution should be made: HDV genotyping best relies on the full length S-HDAg gene or the full-length genome sequence.

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Protocol

Step 1.