

Multiplex real time PCR testing kit for the simultaneous detection of hepatitis virus

Salient features of the technology

- The technology is an *in vitro* diagnostic assay for detection of Hepatitis virus in human plasma or serum (other samples may also be used).
- It is a multiplex real time PCR testing kit capable of detecting Hepatitis B and Hepatitis C viruses simultaneously.
- The kit advantageously helps in detecting all genotypes of Hepatitis B and C viruses.
- Highly sensitive, specific and cost effective testing kit as compared to previously available ones.
- The test kit comprises probes & primers that are efficient enough to detect sample with low copy number of viruses.
- Provides a real time quality check of the samples to be tested with the help of a house keeping gene.
- The kit enables the equal intensity detection of Hepatitis B and C viruses individually.
- Prototype of kit has been prepared.
- Technology was developed at King George Medical University, Lucknow in collaboration with ICMR, Delhi.
- An Indian and a foreign patent in US have been filed.

