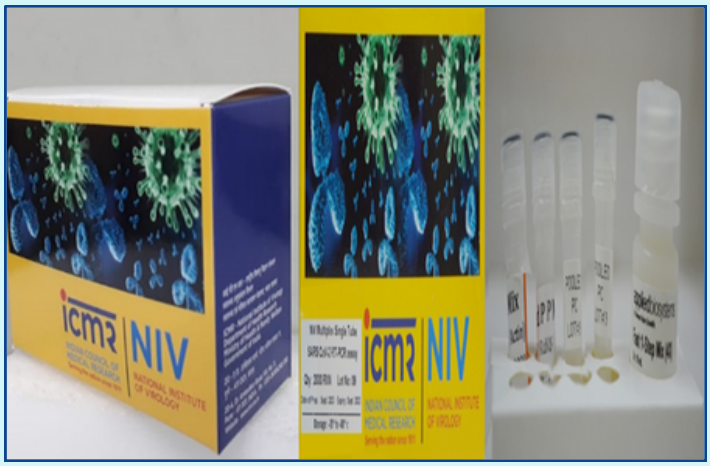
Single Tube Multiplex Method for Simultaneous Detection of Influenza A,B,C and D Viruses

Domain: Diagnostic Assay/Kit

About technology: This technology uses a TaqMan-based Real-Time PCR platform configured as a single-tube, four-plex assay for simultaneous detection of influenza A, B, C, and D viruses. Detecting all four viruses together enhances surveillance efficiency and supports early recognition of emerging strains capable of crossing the animal–human barrier. This assay enables timely monitoring of spillover events, strengthening public health preparedness and facilitating comprehensive influenza detection in both clinical and field setting

Intended Use: Accurate detection of diverse Influenza types which may have zoonotic potential in single tube assay; Simultaneous detection of Influenza A, B, C, and D to identify zoonotic infections and track animal-to-human spillover event



Advantages:

- Simultaneous detection of Influenza A, B, C, and D

Development Status: In-house validation complete

Institute(s): ICMR-National Institute of Virology (NIV)

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