



Indigenous Mpox Detection RT-PCR kit Developed

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Recently, **India** has developed an indigenous [Reverse transcription polymerase chain reaction \(RT-PCR\) testing kit](#) for detecting **Mpox** (previously known as monkeypox).

- These kits are developed by **Siemens Healthcare, Transasia Diagnostics, and JITM C Genes** which are approved by the [Central Drugs Standard Control Organization \(CDSCO\)](#).
- The new RT-PCR kits provide **results in 40 minutes**, compared to traditional methods, which take one to two hours.
 - These RT-PCR kits ensure detection across both [clade I and clade II variants](#).
- **Mpox:** Mpox is a **viral illness** caused by the **monkeypox virus**. It has two distinct variants namely **clade I and clade II**.
 - It was first discovered in humans in **1970** in the [Democratic Republic of the Congo](#).
 - Mpox spreads through **close contact** like **skin-to-skin, mouth-to-mouth, or mouth-to-skin** interactions, as well as **face-to-face contact (talking)**.
 - WHO declared Mpox, a [public health emergency of international concern \(PHEIC\)](#) twice, the first time in May 2022 and the second time in August 2024.
 - The first Mpox cases were reported in **India** in **2022**.

Read More: [Mpox Virus](#)

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