

# HEV IgM Rapid Test

**Domain:** Diagnostic (Assay/Kit)

**About Technology:** The HEV IgM Rapid Test is a lateral-flow immunoassay that captures IgM antibodies using anti-human IgM on the test line. HEV-specific IgM is detected through colloidal gold-labeled anti-HEV monoclonal antibodies bound to recombinant HEV protein, producing a pink/purple test line. A control line with mouse anti-HEV antibodies confirms proper assay performance by generating a similar colored line.

**Intended Use:** Enables reliable Hepatitis E diagnosis in mobile health units, and remote locations, suitable for point-of-care use and compatible with minimal-infrastructure laboratories, such as those operating under the Viral Diagnostic Laboratory Network.

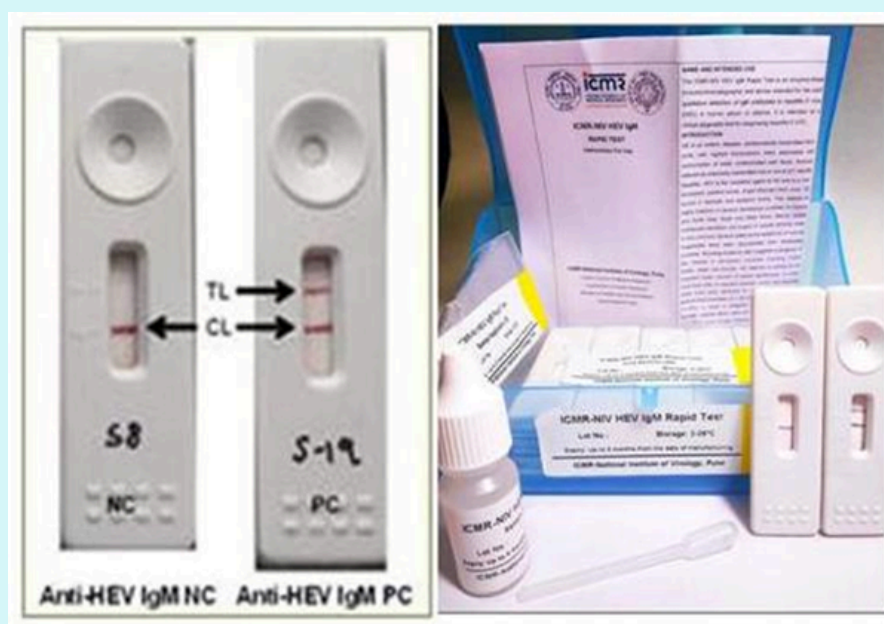
## Advantages:

- HEV IgM Rapid Test has been developed in IgM capture format & sensitively & specifically detects HEV infections
- Performance is comparable to laboratory based ELISAs (commercial & in-house)
- Test requires only 10µl serum/plasma sample and gives results within 15 min

**Development Status:** Third Party validation complete

**Institute(s):** ICMR-National Institute of Virology (NIV), Pune

**Inventor(s):** Dr. Tejaswini Mahesh Deshmukh, Manisha Tukaram Dudhmal, Dr. Kavita Satish Lole



For Licensing Opportunities contact: [patentmitra.hq@icmr.gov.in](mailto:patentmitra.hq@icmr.gov.in)