

Viruses Inactivation Technology

- It is an inactivation formulation comprises of solutions which causes loss of virus infectivity while preserving immunoreactivity and nucleic acid stability for detection in diagnostic tests without affecting result accuracy. It can be efficiently used for qualitative detection of IgM antibody and nucleic acids in serum of suspected patients as BSL-4 containment viruses/blood specimens can be handled at BSL-2 facility safely after inactivation of virus/es. Also hematological and biochemical parameters can be assessed with accuracy in presence of inactivation formulation.

Milestones achieved

- **Validation:** The performance of the virus inactivation technology has been evaluated at three centers. The test has higher sensitivity, specificity and reproducibility.
- **Up-scaling:**
Standardization of percolated tubes for use of collection of blood sample is being explored.
- The technology is cost-effective.
- The technology has been developed by National Institute of Virology, Pune (an ICMR institute).

Note: Last date to send Expression Of Interest (EOI) in accordance with ICMR's essential and desirable criteria is 01.05.2018.