

## Recombinant vaccine for Hepatitis E vaccine and combination of Hepatitis E & Hepatitis B vaccines using a novel approach

### Salient Features of the Technology:

- The liposome formulation of T1NE protein of an Indian strain of genotype 1 HEV serves as an effective candidate vaccine for hepatitis E.
- The liposome formulation of T1NE protein of an Indian strain of genotype 1 HEV along with the S protein of HBV serves as an effective combined candidate vaccine for hepatitis E and hepatitis B.
- The T1NE protein / corresponding DNA of an Indian strain of genotype 1 HEV has following features: Ease of production in bacterial system, Easy purification, Stability, Easy liposome encapsulation formulation, Easy scalability.
- Research is upto laboratory scale; successful clinical trial in rhesus monkeys has been completed.
- This technology has been developed by NIV, Pune (an ICMR institute).