


## Equine herpesvirus-1 ELISA Kit

<b>Title of technology</b>	Equiherpes B-ELISA Kit
<p><b>Preamble</b></p> <p>This ELISA kit was developed for diagnosis of equine herpesvirus-1(EHV-1) infection in horses. Infection due to EHV-1 causes abortion, stillbirths, foal mortality, respiratory and neurological diseases in horses. EHV-1 infection led abortion has been reported in ~15% pregnant mares in organized farms which incurs huge economic losses. Around 13.5% seropositivity was found in a national assessment of EHV-1 infection amongst equidae in the country. Recently, incidences of neurological form of the disease were also increasing globally. This kit is now in routine use at NRCE for sero-surveillance and disease investigation services.</p>	
<p><b>Salient features</b></p> <ul style="list-style-type: none"> <li>• Equiherpes B-ELISA Kit is an alternative to virus neutralization test due to addition of neutralizing monoclonal antibody (mAb) in the assay</li> <li>• This kit gives result within 6 hours.</li> <li>• This kit is able to diagnose EHV-1 recent infection in paired samples.</li> <li>• This kit is able to detect seroconversion</li> <li>• Useful for assessment of herd immunity in equine breeding farms where vaccination is undertaken against EHV-1.</li> <li>• Diagnostic reagents were stabilized in liquid buffer for suitable testing.</li> <li>• This kit has been validated internally/externally.</li> </ul>	
<p><b>Stakeholders</b></p> <ul style="list-style-type: none"> <li>• Biopharmaceutical companies</li> <li>• State Animal Husbandry Departments</li> <li>• State Govt Veterinary Biologicals Production Units</li> <li>• Small Entrepreneurs</li> <li>• Equine farmers</li> <li>• Indigenous Horse Societies / Army/ Police Departments etc.,</li> </ul>	
<p><b>Economic benefits</b></p> <ul style="list-style-type: none"> <li>• This kit will help in timely diagnosis of EHV-1 infection</li> <li>• The test is useful for assessment of herd immunity in equine breeding farms where vaccination is undertaken against EHV-1.</li> <li>• It will help in control of the disease.</li> </ul>	
<div style="text-align: center;">  <p><b>B-ELISA kit developed at NRCE for EHV-1 diagnosis</b></p> </div>	