



International Alliance for
Biological Standardization

**Animal Testing Replacement for Vaccines.
A One Health View: Global Outlook and Future Strategy**
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Potency testing of aluminium adjuvanted tick borne encephalitis virus vaccines

Within the Innovative Medicines Initiative 2 project Vaccine batch to vaccine batch comparison by consistency testing (VAC2VAC), non-animal potency assays based on ELISAs were developed for tick borne encephalitis virus (TBEV) vaccines. TBEV belongs to the genus *Orthoflavivirus* and is endemic in Middle, Eastern and Northern Europe as well as in Northern Asia. Licensed vaccines in the EU are inactivated, whole-virus formulations adjuvanted with aluminium hydroxide.

We present the development of ELISA assay systems that have the potential to replace the lethal mouse challenge assay for batch release testing as well as for stability studies.

