

## Product Data Sheet – Native Antigen

<b>Name of product</b>	Tick-borne encephalitis (TBE) Virus Antigen
<b>Order No.</b>	BA112VSL
<b>Lot No.</b>	Lot specific
<b>Agent</b>	Tick-borne encephalitis virus, strain Moscow B-4
<b>Culture system</b>	Vero cell culture
<b>Preparation</b>	Supernatant from infected culture is concentrated and purified by centrifugation. The resulting virus preparation is presented in glycine buffer at pH 9.5.
<b>Pathogen inactivation</b>	$\beta$ -Propiolactone treatment. No specific biological hazards are known to be associated with this product. It should be handled with appropriate safety precautions for biological materials.
<b>Storage</b>	-65 °C or below. Avoid repeated freeze-thaw cycles. Sonicate before use.
<b>Date of manufacture</b>	Lot specific
<b>Expiry</b>	10 years from date of manufacture (when stored under recommended conditions)
<b>Manufacturer</b>	Institut Virion\Serion GmbH, Germany

*For research or manufacturing use only. Not for use in diagnostic procedures.*

2022-02-09

### Analysis:

Test	Method	Specification
<b>Protein concentration</b>	Bradford assay (Bio-Rad) with BSA as reference standard	1 – 4 mg/mL
<b>Identity / Purity</b>	SDS-PAGE (reducing)	Major bands comparable to Reference Standard
<b>Immunoreactivity</b>	SERION ELISA classic TBE IgG (ESR112G) and IgM (ESR112M)	QC serum panel (multiple negative, borderline and positive sera) within defined reactivity range
<b>Inactivation assay</b>	Attempted pathogen recultivation under original culture conditions	No propagation observed
<b>Bioburden</b>	Membrane filtration test	$\leq$ 100 cfu/mL