

## Product Data Sheet – Native Antigen

<b>Name of product</b>	Yersinia enterocolitica O:9 YOP Antigen
<b>Order No.</b>	BA13809VS
<b>Lot No.</b>	Lot specific
<b>Agent</b>	Yersinia enterocolitica, serovar O:9
<b>Culture system</b>	Broth culture
<b>Preparation</b>	Yersinia is grown in broth culture and stimulated to secrete YOPs (Yersinia outer proteins). YOP proteins concentrated from the culture medium are presented in phosphate buffered saline.
<b>Pathogen inactivation</b>	Sterile filtration. 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.
<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.*

2018-01-15

### Analysis:

Test	Method	Specification
<b>Protein concentration</b>	Bradford assay (Bio-Rad) with BSA as reference standard	0.2 – 3 mg/mL
<b>Identity / Purity</b>	SDS-PAGE (reducing)	Major bands comparable to Reference Standard
<b>Immunoreactivity</b>	SERION ELISA classic Yersinia IgG (ESR138G)	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