

## Product Data Sheet – Native Antigen

<b>Name of product</b>	Bordetella pertussis whole-cell Antigen
<b>Order No.</b>	BA120VS8
<b>Lot No.</b>	Lot specific
<b>Agent</b>	Bordetella pertussis, Strain Tohama I
<b>Culture system</b>	Broth culture
<b>Preparation</b>	Bordetella pertussis bacteria are harvested from broth culture, washed and inactivated by treatment with $\beta$ -propiolactone. The antigen is presented in glycine buffer at alkaline pH.
<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.
<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	2 – 5 mg/mL
<b>Immunoreactivity</b>	SERION ELISA classic Bordetella pertussis IgM (ESR120M)	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