

## Datasheet: MPP024

**BATCH NUMBER 152790**

<b>Description:</b>	CLOSTRIDIUM DIFFICILE TOXOID B
<b>Name:</b>	CLOSTRIDIUM DIFFICILE TOXOID B
<b>Format:</b>	Purified
<b>Product Type:</b>	Antigen
<b>Quantity:</b>	50 µg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Inactivated toxoid derived from purified <i>Clostridium difficile</i> Toxin B - lyophilized
<b>Reconstitution</b>	Reconstitute with 250 µl distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Preparation</b>	Inactivated using formaldehyde. No cell rounding in the sensitive verocytotoxicity assay at 2 µg/ml compared to active toxin lethal dose of 4 pg/ml.
<b>Buffer Solution</b>	0.05M HEPES, 0.15M NaCl, 5% Sucrose
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	0.2 mg/ml after reconstitution
<b>Product Information</b>	<i>Clostridium difficile</i> is a gram-positive bacteria naturally present in the gut of some

children and very few adults. Occasionally, the use of antibiotics to treat other infections may lead to *C. difficile* infection and severe diarrhoea and fever. Symptoms are caused by toxin A (an enterotoxin) and toxin B (a cytotoxin).

MPP024 is a highly purified, non toxic preparation derived from *Clostridium difficile* Toxin B. Antigenicity of this preparation is maintained to be no less than 90% of original toxin strength as measured by direct ELISA.

For a preparation of Toxoid A, see [MPP022](#).

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<b>Purity</b>	>95% by SDS-PAGE
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<b>Storage</b>	Prior to reconstitution store at +4°C. After reconstitution store at +4°C or at -20°C for long-term storage. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.
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<b>Guarantee</b>	1 month from date of reconstitution if stored at +4°C
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10505 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MPP024">https://www.bio-rad-antibodies.com/SDS/MPP024</a> 10505
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<b>Regulatory</b>	For research purposes only
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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