

Datasheet: MPP022

Description:	CLOSTRIDIUM DIFFICILE TOXOID A
Name:	CLOSTRIDIUM DIFFICILE TOXOID A
Format:	Purified
Product Type:	Antigen
Quantity:	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.

	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.

Target Species	Bacterial
Product Form	Inactivated toxoid derived from purified <i>Clostridium difficile</i> Toxin A - lyophilized
Reconstitution	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.
Preparation	Inactivated using formaldehyde. No cell rounding in the sensitive verocytotoxicity assay at 2µg/ml compared to active toxin lethal dose of 0.2ng/ml.
Buffer Solution	0.05M HEPES, 0.15M NaCl, 5% Sucrose
Preservative Stabilisers	None present
Approx. Protein Concentrations	0.2 mg/ml after reconstitution
Product Information	<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).

MPP022 is a highly purified, non toxic preparation derived from *Clostridium difficile* Toxin A. 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 B, see [MPP024](#).

Purity	>95% by SDS-PAGE
Storage	<p>This product is shipped at ambient temperature. Prior to reconstitution store at +4°C. After reconstitution it is recommended to aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the protein. Storage in frost-free freezers is not recommended.</p>
Guarantee	1 month from date of reconstitution if stored at +4°C
Health And Safety Information	Material Safety Datasheet documentation #10505 available at: https://www.bio-rad-antibodies.com/SDS/MPP022 10505
Regulatory	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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