

Datasheet: MPP024

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| Description: | CLOSTRIDIUM DIFFICILE TOXOID B |
| Name: | CLOSTRIDIUM DIFFICILE TOXOID B |
| 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.

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| Target Species | Bacterial |
| Product Form | Inactivated toxoid derived from purified <i>Clostridium difficile</i> Toxin B - 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 2 µg/ml compared to active toxin lethal dose of 4 pg/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).

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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| 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 product. 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/MPP024 10505 |
| Regulatory | For research purposes only |

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| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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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