

# ZeptoMetrix®

## NATtrol™ *C. difficile* Verification Panel

Catalog Number:  
NATCDIVP-C

### PRODUCT DESCRIPTION:

**NATtrol™ *C. difficile* Verification Panel\*** is formulated with purified, intact bacterial cells. The cells have been chemically modified to render them non-infectious and refrigerator stable. NATCDIVP-C contains 6 x 1.0 mL vials of bacterial NATtrol™ as listed in Table 1. The panel members are supplied in a proprietary matrix.

\*Pat.: <http://www.zeptometrix.com/patent-information/>

### INTENDED USE:

- NATtrol™ *C. difficile* Verification Panel is designed to evaluate the performance of nucleic acid tests for determination of the presence of bacterial nucleic acids (from organisms listed in Table 1). NATtrol™ *C. difficile* Verification Panel can also be used for validation of clinical assays, development of diagnostic tests and training of laboratory personnel.

### WARNINGS AND PRECAUTIONS:

- NATtrol™ inactivation was carried out on microorganism stocks used to formulate the panel members. The inactivation was verified in a standard microbiological growth protocol.
- This panel contains inactivated microorganisms and materials of human and animal origin. Safe practices suggest that the controls be considered potentially infectious and to use Universal Precautions when handling.
- Refer to CDC guidelines and local regulations for handling and disposal.
- The matrix used in the manufacture of this product is treated with 0.09% sodium azide. It was manufactured from Human Serum Albumin that have been tested and found to be non-reactive at the donor level for HIV-1/HIV-2 Antibody, HBsAg and HCV Antibody by FDA licensed donor screening test methods. All materials are also tested for HIV-1 and HCV by FDA approved Nucleic Acid Test (NAT) methods.
- Heat inactivated Fetal Bovine Serum used in the manufacture of this product meet applicable USDA requirements for abattoir sourced animals, traceability and country of origin. The materials were collected at USDA licensed establishments or legally imported from countries recognized by the USDA as negligible or controlled for risk for Bovine Spongiform Encephalopathy (BSE) and other exotic disease agents. Donor animals were inspected ante and post mortem at the abattoir as required by the USDA.
- Do not use past the expiration date on the label.
- To avoid cross-contamination, use separate pipette tips for all materials.

### RECOMMENDED STORAGE:

- NATtrol™ *C. difficile* Verification Panel should be stored at 2-8°C.

### INSTRUCTIONS FOR USE:

- Mix vial vigorously for at least 5 secs.
- Process according to manufacturer's instructions for sample to result assays.
- Extract nucleic acid prior to use in downstream assays that are not sample to result.

### LIMITATION:

- FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES**

**TABLE 1: PANEL MEMBERS**

Panel Member	Strain/Ribotype	Expected Result
<i>C. difficile</i>	C3125; Ribotype 002	Toxigenic <i>C. difficile</i> is detected
<i>C. difficile</i>	C2947; Ribotype 078	Toxigenic <i>C. difficile</i> is detected
<i>C. difficile</i>	C2917; Ribotype 017	Toxigenic <i>C. difficile</i> is detected
<i>C. difficile</i>	C3017; Ribotype 027-1	Toxigenic <i>C. difficile</i> is detected
<i>C. difficile</i>	C3129; Ribotype 027-2	Toxigenic <i>C. difficile</i> is detected
<i>C. sordellii</i>	Z077	Toxigenic <i>C. difficile</i> is not detected

PINATCDIVP-C  
Revision: 19  
Effective Date: 06/18/2021

<b>REF</b>	Catalog Number		Temperature Limitation
<b>LOT</b>	Batch Code		Expiration Date
<b>RUO</b>	For Research Use Only		Biological Risk

[www.ZeptoMetrix.com](http://www.ZeptoMetrix.com)

PCA# 20-223 & 21-112

ZeptoMetrix LLC • 878 Main Street, Buffalo, NY 14202 USA • Tel (800) 274-5487

This product was manufactured in a facility which has a Quality Management System that is ISO 13485 certified.