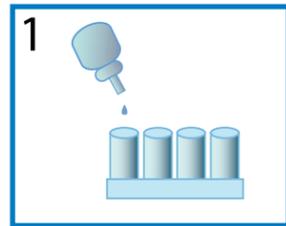
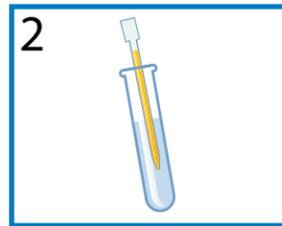




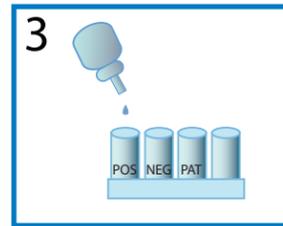
The Prolisa™ C. difficile GDH EIA Kit - Procedure*



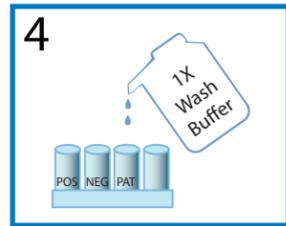
1 Add 50ul of Immunoconjugate to the well.



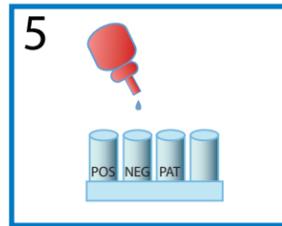
2 Transfer 100ul of diluted specimen to strip wells.



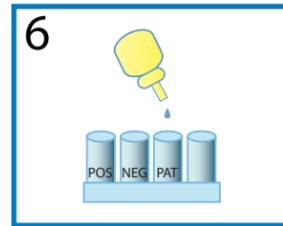
3 Add 100ul of Positive Control and Negative Control to the appropriate wells. Incubate for 60 min at room temp.



4 Wash 5x with 1X Wash Buffer (option available for automated plate washer, refer to IFU).



5 Add 100ul of Substrate Solution to the wells. Incubate for 10 min at room temp.



6 Add 100ul of Stop Solution to the wells. Mix gently. Read results.

*for illustrative purposes only.

Ordering Information

PL.2002 Prolisa™ C. difficile GDH EIA Kit 96 Tests

Also Available

PL.2001 Prolisa™ EHEC EIA Kit 96 Tests

Pro-Lab Diagnostics U.K.
 7 Westwood Court
 Neston, South Wirral, Cheshire
 CH64 3UJ
 United Kingdom
 Tel: 0151 353 1613
 Fax: 0151 353 1614
 E-mail: uksupport@pro-lab.com

Pro-Lab Diagnostics Canada
 20 Mural Street, Unit #4
 Richmond Hill, ON L4B 1K3
 Canada
 Toll Free: 1-800-268-2341
 Tel: (905) 731-0300
 Fax: (905) 731-0206
 E-mail: support@pro-lab.com

Pro-Lab Diagnostics U.S.A.
 21 Cypress Blvd., Suite 1070
 Round Rock, TX, 78665-1034
 U.S.A.
 Toll Free: 1-800-522-7740
 Tel: (512) 832-9145
 Fax: 1-800-332-0450
 E-mail: ussupport@pro-lab.com



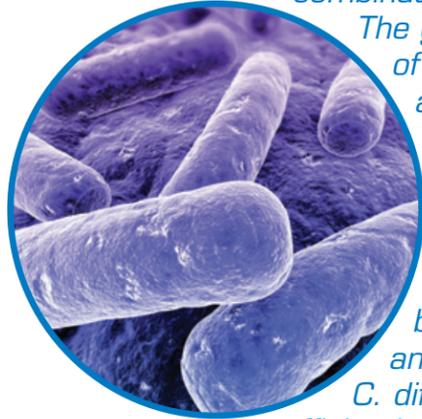
www.pro-lab.com

Prolisa™ *C. difficile* GDH EIA Kit

Pro-Lab Diagnostics proudly presents the Prolisa™ *C. difficile* GDH EIA, a high quality tool for the rapid, reliable, and quantitative detection of *Clostridium difficile* glutamate dehydrogenase (GDH) in faecal specimens.

Clostridium difficile-associated disease is diagnosed by a combination of clinical and microbiological findings.

*The gold standard for microbiological identification of toxigenic *C. difficile* infection is cytotoxigenic culture, a test in which *C. difficile* isolates from selective differential agar are enriched in broth and then tested for the elaboration of Toxin B by cytotoxicity assay on cultured cells. Rapid immunoassays have been developed for detection of Toxin A and/or Toxin B in faecal specimens; however, these tests lack sensitivity.^[1] Immunoassays for GDH, a protein shared by toxigenic and non-toxigenic *C. difficile*, have been developed and incorporated into algorithms for identification of toxigenic *C. difficile*. It has been shown that toxigenic *C. difficile* can be more efficiently and economically identified by first testing for GDH and then Toxin A or Toxin B rather than by testing for the toxins alone.*



Now, testing can be performed with the convenient, easy to use and rapid Prolisa™ assay. Together we can achieve a new standard in *C. difficile* GDH testing.

PRODUCT FEATURES

- Highly Sensitive*
- Highly Specific*
- Detection limit - 0.2ng/ml in sample diluent / 0.4ng/ml in faecal samples
- Easy to perform and read
- Available in 96-well test size with detachable wells
- Rapid results

*Data available in IFU and from Pro-Lab Diagnostics.

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The Prolisa™ *C. difficile* GDH EIA is a sandwich immunoassay for the quantitative detection of *C. difficile* GDH, in faecal samples. The stripwells contain immobilized mouse monoclonal antibody and the immunoconjugate contains rabbit polyclonal antibodies conjugated to horseradish peroxidase. To perform this simple test, a portion of a faecal specimen is first thoroughly suspended in diluent to create a sample suitable for testing. A portion of this sample and the immunoconjugate are then incubated simultaneously in a microwell containing immobilized monoclonal antibody. If GDH is present in the sample, an insoluble antibody-enzyme complex that cannot be easily washed from the microwells is formed. After the microwells are washed to remove unbound material, the bound enzyme is detected through the use of a chromogenic substrate.



Prolisa™ *C. difficile* GDH EIA employs a precise, world class ELISA process. Combined with industry leading production, quality control and our corporate commitment to total customer satisfaction, the Prolisa™ *C. difficile* GDH EIA offers one of the fastest, most accurate, and reliable products available today.

www.pro-lab.com

[1] Eastwood, K., et al. (2009). Comparison of nine commercially available *Clostridium difficile* toxin detection assays, a real-time PCR assay for *C. difficile* tcdB, and a glutamate dehydrogenase detection assay to cytotoxin testing and cytotoxigenic culture methods. *J. Clin. Microbiol.* 47, 3211-3217.