



immunocard®

Toxins A&B

A rapid enzyme immunoassay
for the detection of *Clostridium
difficile* Toxins A and B in stool.

Is your lab overcalling *C. difficile* positive results?

ImmunoCard® Toxins A&B is a rapid, easy-to-use EIA test that helps correctly identify active *C. difficile* infections from carriers by detecting the presence of fecal toxins in stool.

55.3% of patients with a positive *C. difficile* PCR test are negative for toxin production and have outcomes comparable to patients with no *C. difficile* detected.¹

- The rate of healthcare-associated CDI (*C. difficile* infection) has been increasing, and the diagnosis of CDI is estimated to raise the cost of a hospitalization stay by 51% in the United States²
- *C. difficile* associated diarrhea increases hospital costs by 40% per case³
- The US burden of CDI is close to 500,000 infections annually⁴

Is your lab currently testing for *C. difficile* with the most accurate test?

- What impact have the new guidelines and algorithm discussions had on your lab?
- How are the current reporting requirements of hospital-acquired infections impacting your lab and the health system?

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Implement Algorithm Guidelines

- The 2018 IDSA/SHEA Guidelines of *C. difficile* Infection recommend toxin testing be used as part of an algorithm to confirm the presence of active toxin production.⁴

Identify True Positives

- Use this test in combination with a molecular method to correctly identify patients with active toxin infection versus *C. difficile* carriers.
- Adding tests, such as a toxin card, increases the positive predictive value (PPV) of *C. difficile* testing.⁴

Superior Performance

	Sensitivity	Specificity	PPV	NPV
Meridian ImmunoCard [®] Toxins A&B ⁵	93.1%	98.9%	97.1%	97.2%
TECHLAB Quik Chek Complete ⁶	87.8%	99.4%	95.8%	98.1%
Remel Xpect C. difficile Toxin A/B ⁷	86.3%	96.2%	84.1%	96.8%



Product Specifications

ImmunoCard[®] Toxins A&B is a rapid, qualitative, horizontal-flow enzyme immunoassay (EIA) for detecting *Clostridium difficile* Toxins A and B in human stool.

Turnaround Time

15 minutes

Shelf Life

12 months

Sample Type

Stool

Sample Storage

Store at 2-8C for up to 4 days

Store frozen ($\leq -20C$) until tested, with up to 3 freeze/thaw cycles

Kit Storage

Kit and all reagents should be stored at 2-8C

Performance

(compared to Cytotoxin)

93.1% Sensitivity **98.9%** Specificity

Catalog Number

ImmunoCard[®] Toxins A&B — 712050

CPT Codes

87324

References

1. Polage, Christopher, et al. "Overdiagnosis of *Clostridium difficile* Infection in the Molecular Test Era." *JAMA Intern Med.* 2015 Nov;175(11):1792-801. doi: 10.1001/jamainternmed.2015.4114
2. Zhang, Dongmu et al. "Attributable Healthcare Resource Utilization and Costs for Patients with Primary and Recurrent *Clostridium difficile* Infection in the United States." *Clinical infectious diseases: an official publication of the Infectious Diseases Society of America* vol. 66,9 (2018): 1326-1332. doi:10.1093/cid/cix1021
3. HealthLeaders. *C. diff* Infection Raises Hospital Costs by 40% per Case. Retrieved from <https://www.healthleadersmedia.com/clinical-care/c-diff-infection-raises-hospital-costs-40-case>
4. L Clifford McDonald, et al. *Clinical Practice Guidelines for Clostridium difficile Infection in Adults and Children: 2017 Update* by the Infectious Diseases Society of America (IDSA) and Society for Healthcare Epidemiology of America (SHEA). *Clinical Infectious Diseases*, Vol 66, 7 (March 2018): e1-e48. <https://doi.org/10.1093/cid/cix1085>
5. ImmunoCard Toxin A&B Package Insert. Rev 12/2016
6. C. DIFF QUIK CHEK COMPLETE Package Insert. Rev 06/18
7. Remel X/pect *Clostridium difficile* Toxin A/B Package Insert. Rev 4/2012

Ready to get a handle on testing for *C. difficile*?
Let's talk.

Contact a specialist at 1-888-763-6769.

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