



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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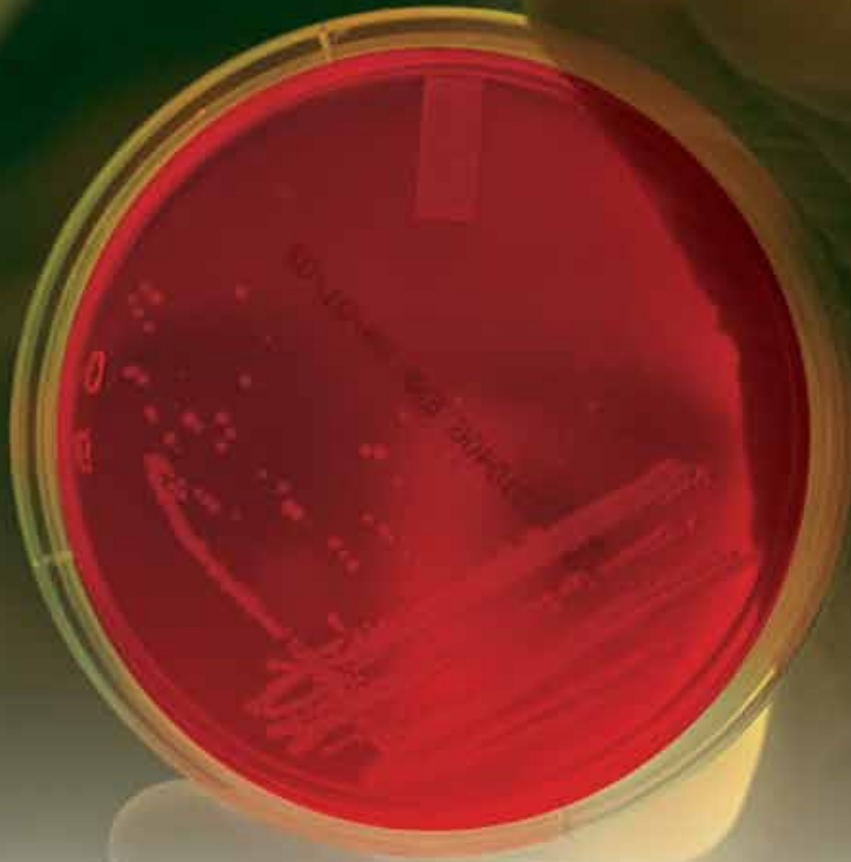
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# DETECTION OF ALL *E. COLI* O157 AND NON-O157 SHIGA TOXIN-PRODUCING STRAINS

(Culture will miss 75% of all positives)<sup>1</sup>



## DEFINITIVE ANSWERS, CONFIDENT RESULTS

- Fully comply with CDC guidelines
- Detects ALL Shiga toxin-producing *E. coli*, not just *E. coli* O157:H7
- Rapid identification to avoid contraindicated antibiotic therapy

**ImmunoCard<sup>®</sup>**  
**STAT! EHEC**

**Meridian**  
**Bioscience, Inc.**  
Inspired Science. Trusted Solutions<sup>®</sup>

## EXCEED YOUR CURRENT *E. COLI* TESTING PERFORMANCE

- CDC Recommends that all stools be tested for Shiga toxin-producing *E. coli*<sup>2</sup>
  - CDC estimates that half of all STEC infections are caused by non-O157 serotypes and that these serotypes can cause illness just as severe as that caused by *E. coli* O157:H7<sup>3</sup>
- SMAC culture has a sensitivity of approximately 50% for detection of *E. coli* O157:H7 and will miss all of the non-O157 serotypes<sup>1</sup>
- ImmunoCard STAT!<sup>®</sup> EHEC provides increased sensitivity over culture for the detection of Shiga toxin-producing *E. coli*<sup>4</sup>

Sensitivity	Specificity
<b>93.8%</b>	<b>99.7%</b>

- ImmunoCard STAT!<sup>®</sup> EHEC detects and differentiates between Shiga toxin 1 and Shiga toxin 2
  - Shiga toxin 2 is associated with an increased risk of HUS<sup>1</sup>

## DECREASE WORKLOAD

- ImmunoCard STAT!<sup>®</sup> EHEC offers a simple procedure that is easily implemented into lab workflow
- Objective, qualitative results are easy to interpret

## DEFINITIVE ANSWERS, CONFIDENT RESULTS

- The rapid, definitive diagnosis provided by ImmunoCard STAT!<sup>®</sup> EHEC can
  - Promote and ensure appropriate therapy
    - Antibiotics increase Shiga toxin release and production<sup>5</sup>
    - Avoid contraindicated antibiotic therapy
  - Reduce costs of unnecessary tests and procedures
  - Reduce overall healthcare costs
- Refer to the ImmunoCard STAT!<sup>®</sup> EHEC Reimbursement model to see how this test can generate revenue for your laboratory



## TEST PROCEDURE


*How to perform the test*

### BROTH ENRICHMENT

**1.**

Gently mix unpreserved specimen or specimen preserved in Modified Cary Blair medium.

**2.**




Add 50  $\mu\text{L}$ \* of unpreserved specimen or 150  $\mu\text{L}$  of preserved specimen to a culture tube containing 8 mL of GN or 5 mL of MacConkey Broth.

**3.**

Incubate inoculated broth with caps loose at 35-39 C for 16-24 hours. If no growth is observed, do not proceed with the test procedure steps. See package insert for full instructions.


### TEST PROCEDURE

**1.**



Using the dropper vial, add five drops (150  $\mu\text{L}$ ) of Sample Diluent Buffer to a test tube.

**2.**

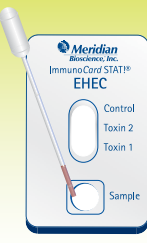


Mix or vortex broth culture thoroughly. Using the provided transfer pipette, add 150  $\mu\text{L}$  of Broth Culture Growth (second mark from tip of pipette) to the tube of Sample Diluent.

**3.**

Gently mix or vortex the contents of the tube for 10 seconds.

**4.**

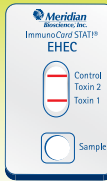


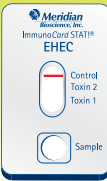

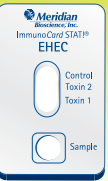


Using the provided transfer pipette, add 150  $\mu\text{L}$  of the diluted specimen (second mark from tip of pipette) to the sample port of the device.

**5.**

Incubate the test at 20-25 C for 20 minutes. Read results within 1 minute after incubation.

### RESULTS

					
<b>POSITIVE</b>			<b>NEGATIVE</b>	<b>INVALID</b>	

NOTE: This chart does not contain complete instructions for use. For further information, please thoroughly read the package insert.

\* The following illustration depicts approximate sample size when testing solid, semi-solid, or non-pipetable stools.



This illustration is representative of the current Package Insert at the time of publication. Please refer to the most current version of the Package Insert for complete instructions.



## Ordering Information

Product	Quantity	Catalog #
ImmunoCard STAT!® EHEC	30 Tests	751630
Premier™ EHEC	96 Wells	608096
ImmunoCard STAT!® E. Coli 0157 Plus	30 Tests	750530
ImmunoCard STAT!® CAMPY	30 Tests	751530
Premier™ CAMPY	96 Wells	618096



For more information in the US,  
contact a specialist at 1-888-763-6769.



### REFERENCES

1. C. Thorpe, Shiga Toxin-Producing *Escherichia coli* Infection, *Clinical Infectious Diseases*, 2004, Vol. 38: pp. 1298-1303
2. Centers for Disease Control and Prevention, Recommendations for Diagnosis of Shiga Toxin-Producing *Escherichia coli* Infections by Clinical Laboratories, *MMWR*, October 16, 2009; 58 (No. RR-12): pp. 1-20.
3. <http://blogs.cdc.gov/publichealthmatters/2010/05/a-primer-on-e-coli-o145/>.
4. ImmunoCard STAT!® EHEC package insert, April, 2010.
5. C. Wong, M.D., et al, The Risk of the Hemolytic-Uremic Syndrome after Antibiotic Treatment of *Escherichia coli* O157:H7 Infection, *New England Journal of Medicine*, June 29, 2000, Vol. 342, No.26: pp. 930-1936.

### WORLD HEADQUARTERS

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