

For immediate release:

MacConkey Agar with Ciprofloxacin Reduces Infections

*New culture media helps prevent post prostate biopsy
infections!*



**Resistant Gram negative bacillus growing on MacConkey Agar with Ciprofloxacin.
Photo by Christopher Catani**

Santa Maria, California, August 1 2012

MacConkey Agar with Ciprofloxacin is a screening medium for the selective isolation of ciprofloxacin-resistant, Gram-negative microorganisms.

Microbial antibiotic resistance has increased significantly among gram-negative bacilli in recent years and colonization is of particular importance for patients undergoing transrectal prostate biopsy in the histological diagnosis of prostate carcinoma.



Approximately 800,000 biopsies are performed in the U.S. each year and complications from this procedure include urinary tract infections, prostatitis, and sepsis. In general, the procedure usually follows antibiotic prophylaxis with fluoroquinolones. However, patients harboring fluoroquinolone-resistant microorganisms are at greater risk of contracting post-procedural infection.

The most common organism responsible for bacterial infection and clinical complication following transrectal prostate biopsy is *Escherichia coli*. Consequently, selective broth pre-enrichment, followed by selective culture on solid agar, is a useful tool in identifying patients colonized with resistant microorganisms prior to biopsy. Diagnosis of patients colonized with resistant microorganisms at least 48 hours in advance of transrectal prostate biopsy may allow physicians time to tailor appropriate antibiotics for better patient management and clinical outcome.

Hardy Diagnostics media for detecting fluoroquinolone-resistant microorganisms are intended to be used for the selective pre-enrichment and isolation of fluoroquinolone-resistant enteric bacteria. Hardy Diagnostics offers a 1ug/ml or 10ug/ml concentration of ciprofloxacin in either an enrichment broth or Petri plate.

ABOUT HARDY DIAGNOSTICS

Hardy Diagnostics is an FDA licensed and ISO 13485 certified manufacturer of medical devices for microbiological procedures in both clinical and industrial laboratories. The company produces over 3,500 products for the culture and identification of bacteria and fungi from its two manufacturing facilities in California and Ohio. Currently over 8,000 laboratories are serviced by Hardy Diagnostics throughout the nation.

The company was founded in 1980 by Jay Hardy, a Clinical Laboratory Scientist from Santa Barbara, CA. Today, Hardy Diagnostics maintains eight distribution centers throughout the U.S. and exports products to over 30 foreign distributors.

The company's mission is to partner with its laboratory customers to prevent and diagnose disease. For more information, visit www.HardyDiagnostics.com.

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