

# ANTIMICROBIAL RESISTANCE



**HARDY**  
DIAGNOSTICS

*A Culture of Service™*

# ANTIMICROBIAL RESISTANCE

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**Antimicrobial resistance is among the top ten global health threats facing humanity, killing at least 1.27 million people worldwide. In the U.S., more than 3 million infections occur each year, resulting in 48,000 deaths.**

**Hardy Diagnostics is committed to creating innovative solutions designed to combat this growing threat.**

**Hardy Diagnostics has curated a complete line of products for the fight against AMR, so that together, we might partner to diagnose and prevent disease.**

[HardyDiagnostics.com/clinical/solutions/antimicrobial-resistance](https://HardyDiagnostics.com/clinical/solutions/antimicrobial-resistance)

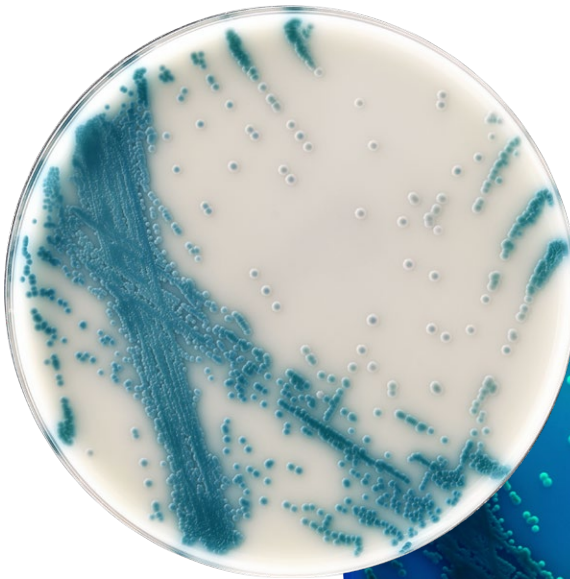
## Candida + auris

For the selective isolation and differential identification of *Candida* species

Colonies of *Candida auris* (*C. auris*) will appear white with a characteristic teal to teal-green “bullseye” center and show a unique fluorogenic reaction under UV light at 48-72 hours. *C. auris* is unique amongst other *Candida* species because it causes outbreaks and is resistant to nearly all antifungal drugs. This pathogen is also difficult to identify and thus can be misidentified as other species of yeasts. This medium also allows for the differentiation of *C. tropicalis*, *C. albicans* and *C. krusei*, and can aid in the identification of *C. glabrata* when used in conjunction with Rapid Trehalose Broth or GlabrataQuick™. All colonies suspected of *C. auris* should be subjected to confirmatory methods such as MALDI-TOF mass spectrometry.

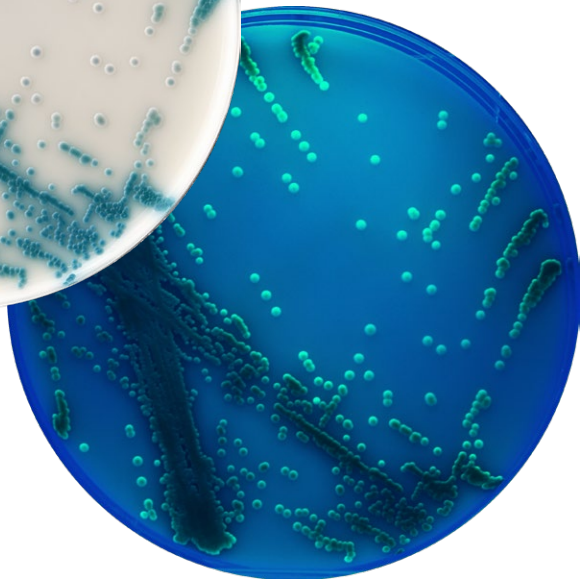
10/pk

G343



*Candida auris* at 48 hours under visible ambient light. Note the white perimeter and teal colored center of the isolated colonies.

*Candida auris* under UV light at 48 hours.



# HardyCHROM™

## CRE

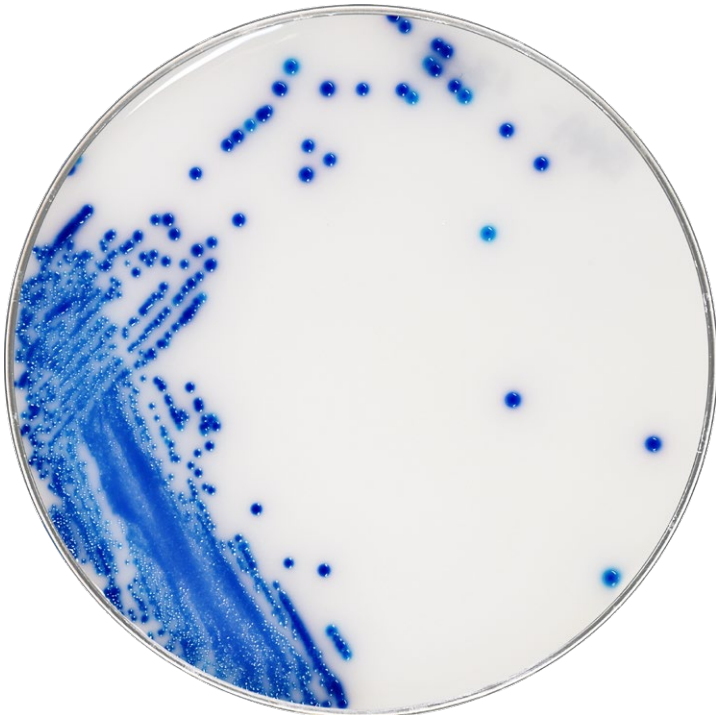
For the screening of *E. coli*, *K. pneumoniae*, *K. aerogenes*, *K. oxytoca*, *E. cloacae* complex, and *S. marcescens*

**HardyCHROM™ CRE** is a selective and differential chromogenic agar medium intended for the qualitative and presumptive detection from stool specimens of *Escherichia coli* that are non-susceptible to carbapenems as pink colonies and KES (*Klebsiella aerogenes*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Enterobacter cloacae* complex, and *Serratia marcescens*) that are non-susceptible to carbapenems as blue colonies.

**HardyCHROM™ CRE** is intended as an aid in the detection, identification of colonization and control of these bacteria in a healthcare setting. **HardyCHROM™ CRE** is not intended to diagnose infection or guide therapy. Results can be interpreted after incubation for 18-24 hours. Subculture to non-selective medium is required for confirming identification, antimicrobial susceptibility testing and epidemiological typing.

10/pk

G323



# Hardy**CHROM**<sup>™</sup>

## **ESBL**

### The first selective and differential chromogenic media for ESBL in the United States

HardyCHROM<sup>™</sup> ESBL is a selective and differential chromogenic medium which is intended for the qualitative and presumptive detection from stool specimens of: Enterobacterales that are potentially non-susceptible to ceftazidime and cefpodoxime.

Extended-spectrum beta-lactamase (ESBL)-producing *Escherichia coli*, *Klebsiella pneumoniae*, and *Klebsiella oxytoca*.

- Results in as little as 18 hours
- Easy-to-read color development
- *Escherichia coli* produce pink colonies
- *Proteus mirabilis* produce yellow/gold colonies
- *Klebsiella pneumoniae* or *Klebsiella oxytoca* produce blue colonies

10/pk

G321



## **MRSA**

A selective and differential chromogenic medium for the qualitative direct detection of nasal colonization by methicillin-resistant *Staphylococcus aureus* (MRSA)

This new chromogenic medium simplifies the identification of MRSA infections. MRSA strains grown in the presence of chromogenic substrates produce deep pink to magenta colonies.

- Distinct color change read-out
- Bright color development
- Compatible with automation
- Read-out at 24 hours
- East-to-read

10/pk

G307





As pathogens evolve, so do we.

## HARDYDISKAST

Hardy Diagnostics offers more than sixty 510(k) cleared antibiotic sensitivity disks for the Kirby Bauer disk diffusion test.

Listed below are some of the latest and most popular HardyDisk™ AST products among our laboratory partners.

HardyDisk™ AST Product	Single Cartridge	Five Cartridge
Aztreonam/Avibactam (AZA50)	Z9481	Z9485
Cefiderocol (FDC30)	Z9431	Z9435
Cefaclor (CEC30)	Z8121	---
Ceftazidime/Avibactam (CZA50)	Z9351	Z9355
Ceftolozane/Tazobactam (C/T40)	Z9341	Z9345
Ciprofloxacin (CIP5)	Z8361	Z8365
Gepotidacin (GEP10)	Z9491	Z9495
Meropenem/Vaborbactam (MEV30)	Z9321	Z9325
Rezafungin (RZF5)	Z9471	---
Sulbactam-Durlobactam (SUD20)	Z9461	Z9465
Sulfamethoxazole/Trimethoprim (SXT25)	Z9011	Z9015



# NG-TEST® CARBA-5®

The only 510(k) cleared rapid, multiplex, phenotypic test capable of detecting KPC, OXA-48-like, VIM, IMP, and NDM carbapenemases produced by Enterobacterales and *P. aeruginosa*.

**NG-TEST® CARBA-5®** is a lateral flow assay that meets the new 2025 CLSI M100™ guidelines.

**Cost effective**

The cost per test versus PCR makes it extremely economical.

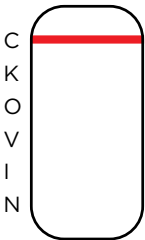
**Easy to implement**

NG-TEST® CARBA 5 naturally fits into your workflows and requires no specialized training, unlike molecular tests.

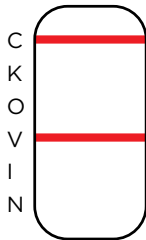
20/pk CARBA5



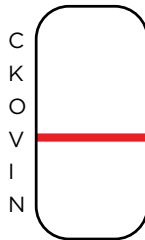
### Example of interpretation



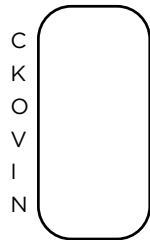
**Negative**



**VIM Positive**



**INVALID**  
No control line



**INVALID**  
No control line

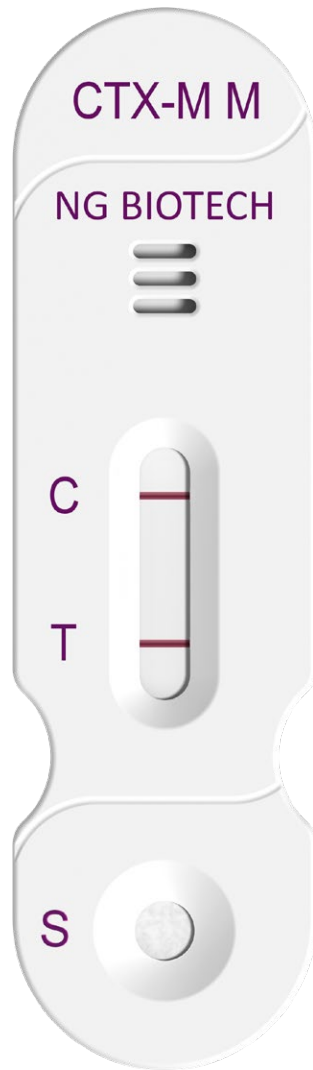
# NG-TEST<sup>®</sup> CTX-M Multi

An FDA-cleared, *in vitro*, rapid, and visual immunoassay for the qualitative detection of CTX-M enzymes (groups 1, 2, 8, 9, and 25) for the rapid detection of ESBL's.

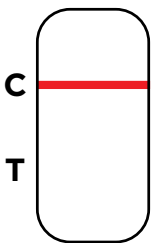
CTX-M-mediated ESBL-producing bacteria, primarily *Escherichia coli*, have been identified in various settings, including hospitals and long-term care facilities. While initially thought rare, CTX-M enzymes are now recognized as a significant cause of extended-spectrum cephalosporin resistance.

Using CTX-M Multi provides detection in just 15 minutes from isolated colonies.

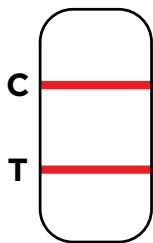
20/pk CTXM



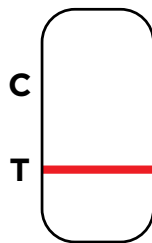
## Example of interpretation



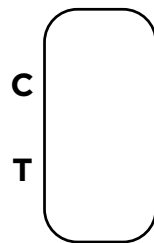
**Negative**



**Positive**



**INVALID**  
No control line



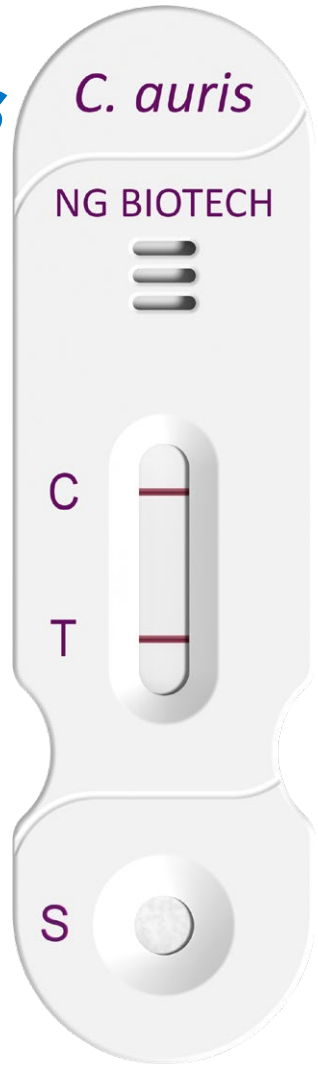
**INVALID**  
No control line

# NG-TEST® *Candida auris*

A powerful tool in the fight against the emerging threat of *Candida auris*

The first commercial lateral flow immunoassay for detecting *Candida auris* in the U.S. NG-TEST® *Candida auris* is classified as a Breakthrough Device by the U.S. Food and Drug Administration and available for Research Use Only in the U.S., while FDA review continues.

Using NG-TEST® *Candida auris* provides rapid detection in just 15 minutes from isolated colonies.

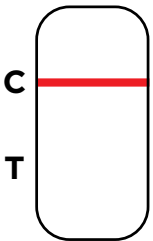


20/pk

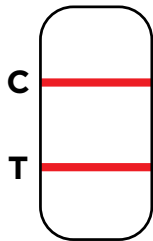
NGBCA

*Not for in vitro diagnostic use*

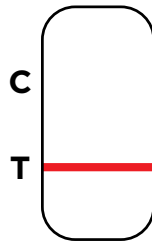
## Example of interpretation



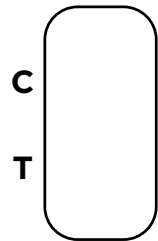
**Negative**



**Positive**



**INVALID**  
No control line



**INVALID**  
No control line





# HARDY DIAGNOSTICS

*A Culture of Service™*



Years of  
Bringing You  
A Culture of Service



**100%**  
Employee Owned



Hardy Diagnostics  
donates 1% of net  
profits to charity.



ISO 13485  
Quality  
Management for  
Medical Devices  
CERTIFIED

FM 572526

Hardy Diagnostics has a Quality Management System that is certified to ISO 13485 and is a FDA licensed medical device manufacturer.

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