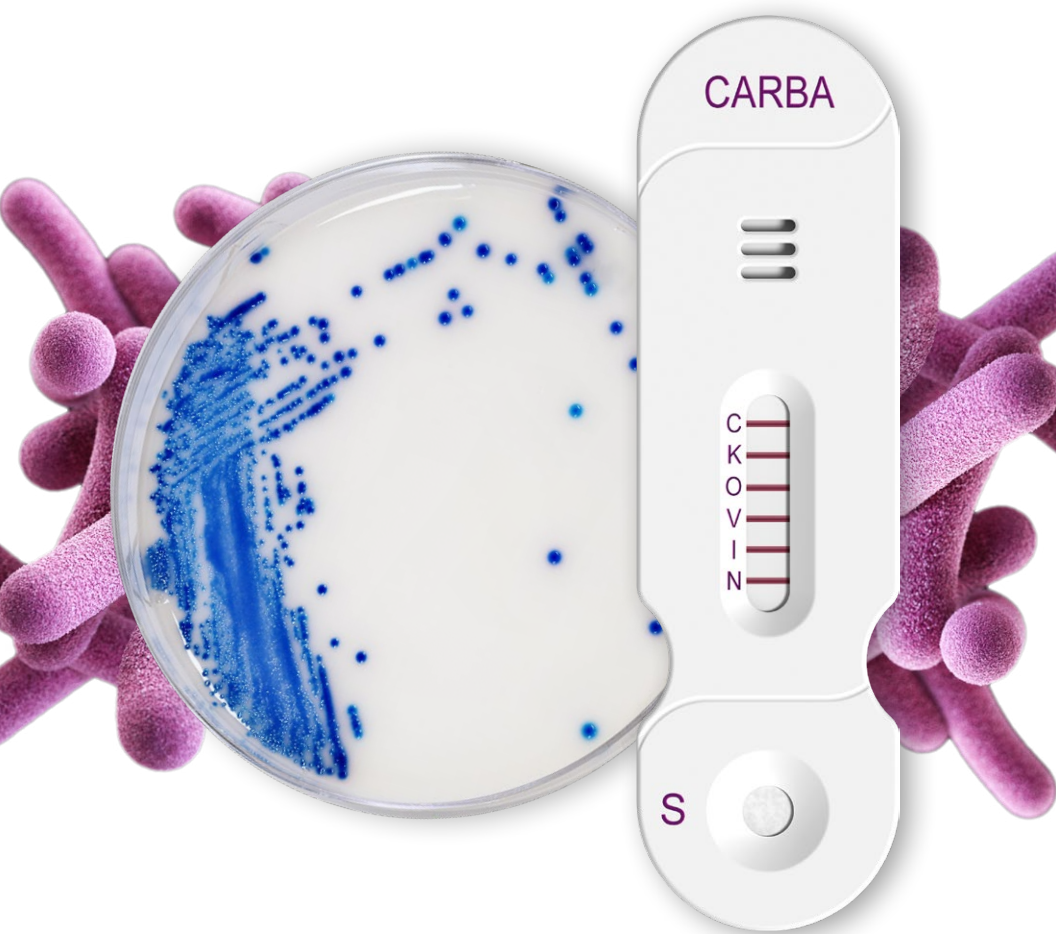


Hardy**CHROM**<sup>™</sup>  
**CRE**

NG-Test<sup>®</sup>  
**CARBA 5**



Where **EASY-TO-READ** chromogenic culture media meets  
**RAPID, CLEAR RESULTS** to combat **ANTIMICROBIAL**  
**RESISTANCE**.

Used **TOGETHER**, you can fight back against  
the global threat of **CARBAPENEM-RESISTANT**  
**ENTEROBACTERIALES (CRE)**.

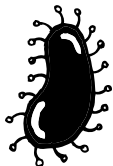
# CRE

IS A WORLDWIDE  
PUBLIC HEALTH THREAT.

---

Often called the "nightmare bacteria" CRE are a family of germs that are difficult to treat because they are resistant to nearly all antibiotics, including carbapenems, some of our most powerful drugs.

Rapid spread of CRE in parts of the United States and other countries in both humans and animals points to a need to more aggressively detect and control CRE spread.



**13,100**

Estimated cases  
in hospitalized  
patients



**1,100**

Estimated  
deaths



**\$130M**

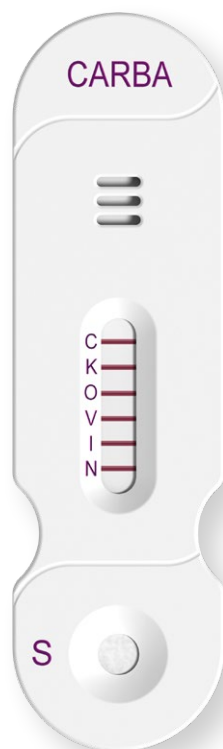
Estimated attributable  
healthcare costs in

# CARBAPENEM- RESISTANT **Enterobacterales**

With these two tools, you are in the fight against the worldwide threat of CRE.



15x100mm, 10/pk  
Cat. no. G323



20/pk  
Cat. no. CARBA5

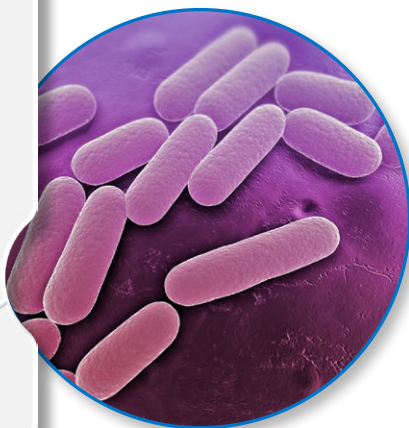
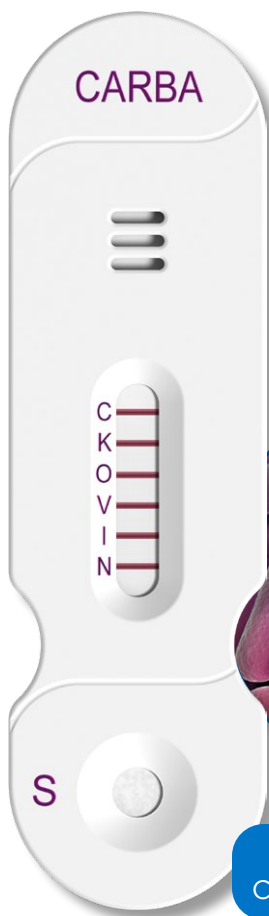
**Using HardyCHROM™ CRE + CARBA 5, saves time, money and resources, but more importantly, accelerates detection for faster and more accurate treatment.**

# NG-Test<sup>®</sup> CARBA 5

**NG-Test<sup>®</sup> CARBA 5** is the only rapid, multiplex, phenotypic test capable of detecting **KPC, OXA-48-like, VIM, IMP, and NDM** carbapenemases produced by Enterobacterales and *Pseudomonas aeruginosa*.


**Cost effective** - Per test, NG-Test<sup>®</sup> CARBA 5 is more economical than molecular methods.

**Accurate** - NG-Test<sup>®</sup> CARBA 5 detects the the gene **expression** which is crucial to making therapeutic decisions. **Molecular methods only detect the presence of the gene, not the enzyme.**



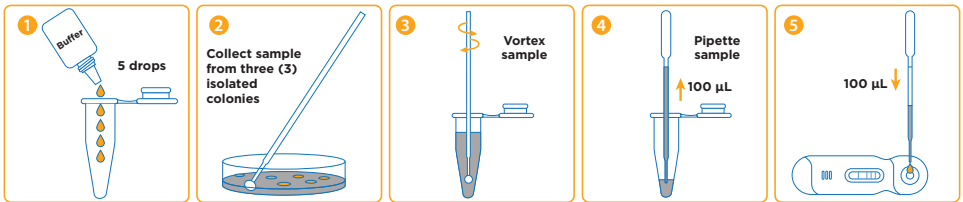
20/pk  
Cat. no. CARBA5

# CLEAR RESULTS HELP TO GUIDE THERAPY AS WE COMBAT THE WORLD'S DEADLIEST FORCES

 **Rapid** - 15 minutes

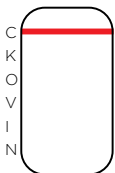
 **Accurate** - 100% sensitivity + 95% specificity

 **User Friendly** - 5 simple steps!

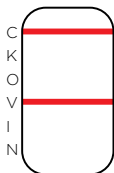


## A "LINE" means an ENZYME!

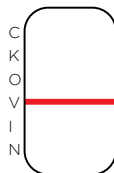
Example of interpretation



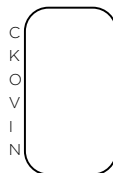
Negative



VIM Positive



INVALID  
No control line



INVALID  
No control line

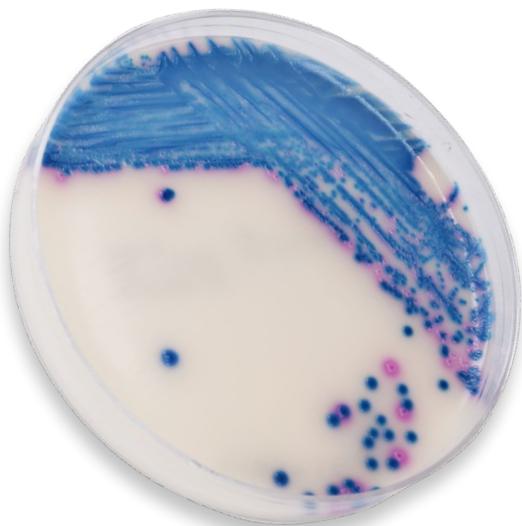
# HardyCHROM™

## CRE

FOR THE SCREENING OF *ESCHERICHIA COLI*,  
*KLEBSIELLA AEROGENES*, *KLEBSIELLA*  
*OXYTOCA*, *KLEBSIELLA PNEUMONIAE*,  
*ENTEROBACTER CLOACAE* COMPLEX, AND  
*SERRATIA 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.

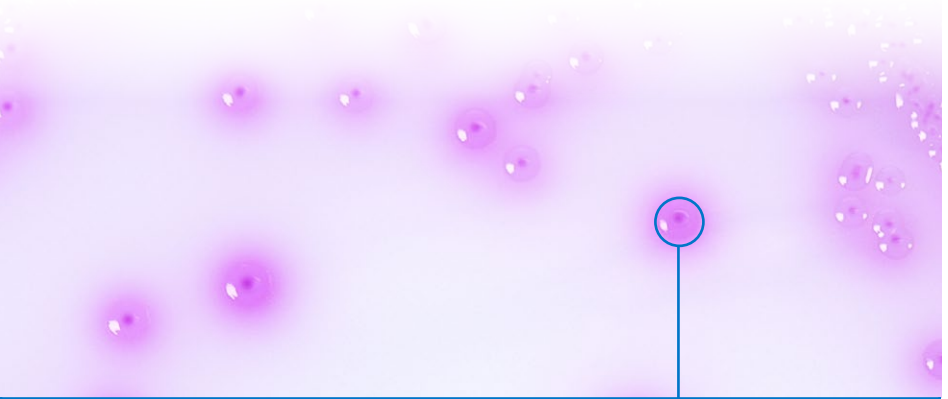
HardyCHROM™ CRE is intended as an aid in the detection, identification of colonization and control of these bacteria in a healthcare setting. HardyCHROM™ CRE is not intended to diagnose infection or guide therapy. Results can be interpreted after incubation for 18-24 hours. Subculture to non-selective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



15x100mm, 10/pk  
Cat. no. G323

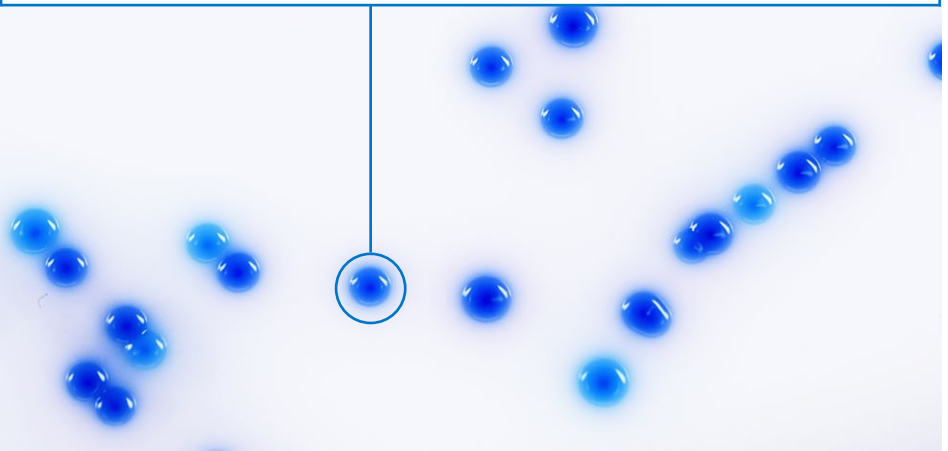
Colonies that are not pink to magenta, blue, or blue with pink halos are negative; no carbapenem non-susceptible *Escherichia coli* or KES detected.

# EASY TO READ RESULTS



Non-susceptible *Escherichia coli* produces colonies that are rose to magenta in color with darker pink centers.

*Klebsiella*, *Enterobacter*, and *Serratia* spp. produce large, dark blue colonies (with or without pink halos) are presumptive positive for carbapenem non-susceptible KES (*Klebsiella aerogenes*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Enterobacter cloacae* complex, and *Serratia marcescens*).





**100%**  
Employee Owned

ESTABLISHED  
**1980**

MADE IN  
**USA**



FM 572526

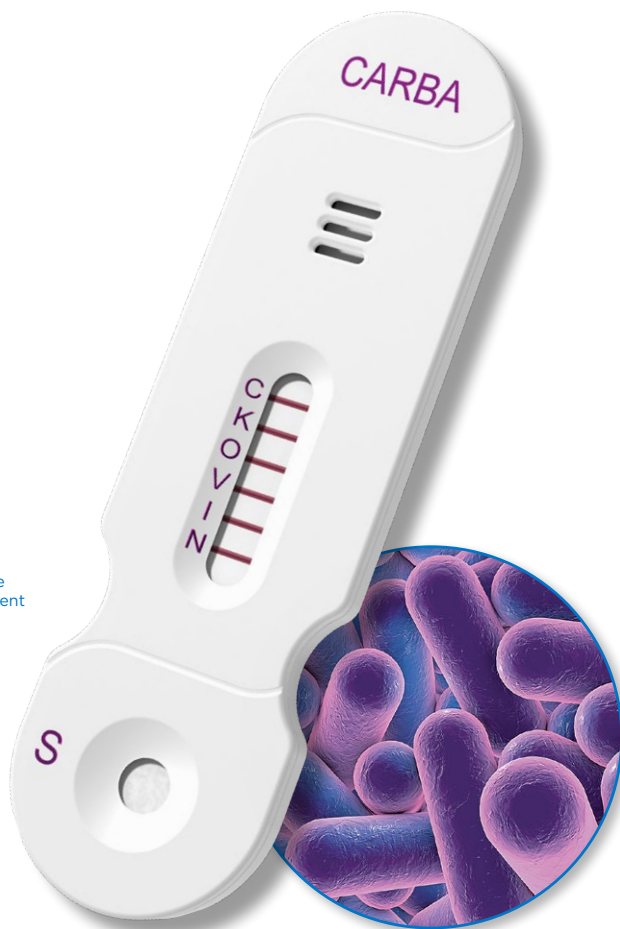
Hardy Diagnostics adheres to cGMP, is licensed by the FDA as a medical device manufacturer, and its quality management system is ISO 13485 certified.

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