

CARBA

Detects the enzymes which break down carbapenem antibiotics confirming Antimicrobial Resistance

C  
K  
O  
V  
I  
N

NG-Test®

**CARBA 5**

S

Rapid detection and differentiation of the most common carbapenemases produced by Enterobacterales and *Pseudomonas aeruginosa*

# Introducing NG-Test® CARBA 5

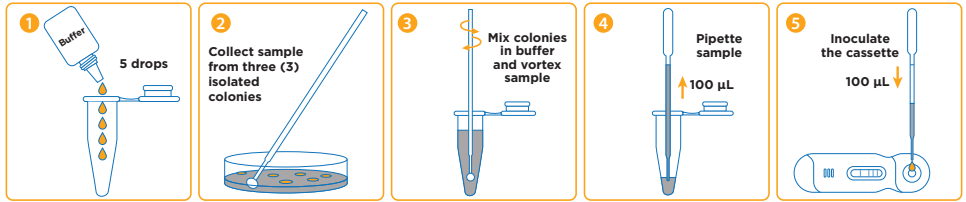
NG-Test® CARBA 5 is the only rapid, multiplex, phenotypic test capable of simultaneously detecting KPC, OXA-48-like, VIM, IMP, and NDM carbapenemases produced by Enterobacterales and *P. aeruginosa*.

**Cost effective** - Per test, NG-Test® CARBA 5 is more economical than molecular methods. Reimbursement for up to five CPT codes.

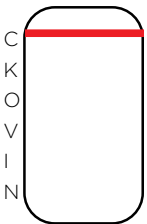
**Accurate** - NG-Test® CARBA 5, unlike molecular methods, detects the carbapenemase enzyme which is crucial to aiding therapeutic decisions.

20/pk.....CARBA5

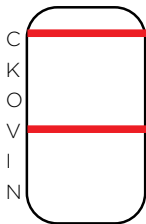
## 5 simple steps!



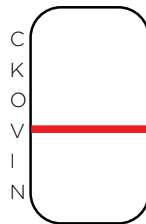
## Example of interpretation



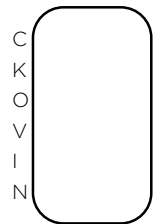
Negative



VIM Positive



INVALID  
No control line



INVALID  
No control line

With NG-Test® CARBA 5 you don't need to guess. Simply perform the test from approved bacterial culture and in 15 minutes you'll save more than money; **you'll be saving lives.**

**Find what you're looking for more quickly than ever before.**



**Rapid.  
Accurate.  
User Friendly.**

# Variants comparison

## Xpert Carba-R vs CARBA 5

### Data from both kit's IFU

Carbapenemase	Variants tested and detected by Xpert Carba-R	Variants predicted to be detected by Xpert Carba-R (but not tested)	Variants detected by NG-Test® CARBA 5 in U.S. clinical trial	NG-Test® CARBA 5 variants detected analytically and in publications
<b>KPC</b>	2, 3, 4	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	2, 3, 4, 12	2, 3, 4, 5, 6, 7, 9, 12, 14, 23, 28, 31, 33, 39
<b>NDM</b>	1, 2, 4, 5	3, 6, 7, 8, 9	1, 5, 6, 7	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 19
<b>VIM</b>	1, 2, 4, 10, 19	5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 20, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38	1, 2, 4, 5, 6, 23, 27, 31	1, 2, 4, 5, 6, 11, 23, 26, 27, 31, 39, 46, 51, 52, 54, 56, 58, 59
<b>OXA</b>	48, 181	162, 163, 204, 232, 244, 245, 247	48, 181, 232	48, 162, 163, 181, 204, 232, 244, 245, 370, 405, 436, 484, 505, 517, 519, 793
<b>IMP</b>	1, 2, 4, 6, 10, 11	3, 8, 9, 10, 11, 13, 19, 20, 21, 22, 24, 25, 27, 28, 30, 31, 33, 37, 40, 42	1, 4, 7, 8/47, 19, 26	1, 2, 4, 5, 6, 7, 8/47, 10, 11, 13, 15, 16, 18, 19, 22, 26, 29, 31, 37, 39, 46, 56, 58, 63, 71, 79

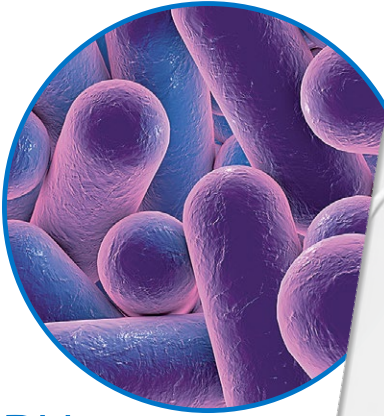
- More variants are validated with CARBA 5 compared to Xpert Carba-R according to IFUs.
- Cepheid gives a list of variants predicted to be detected but not tested.

### Performance of NG-Test® CARBA 5 vs. the comparator method

Plate	Organism Group	NG-Test® CARBA 5	Reference method	Percent Agreement <sup>1</sup>	
5% Sheep's Blood and MacConkey agar	Enterobacterales and <i>Pseudomonas aeruginosa</i>	169	169	100.00%	Positive agreement
		137	144	95.1%	Negative agreement
		306	313	97.8%	Overall agreement
HardyCHROM™ CRE agar	<i>E. coli</i> , KES	284	284	100%	Positive agreement
		74	82	90.2%	Negative agreement
		358	366	97.8%	Overall agreement

<sup>1</sup>After discrepant analysis, the overall percent agreement increased to 100% for NG-Test® CARBA 5 results for all organisms tested from each plate type.

Manufactured by NG Biotech.  
Distributed by Hardy Diagnostics



**100%**  
Employee Owned



FM 572526

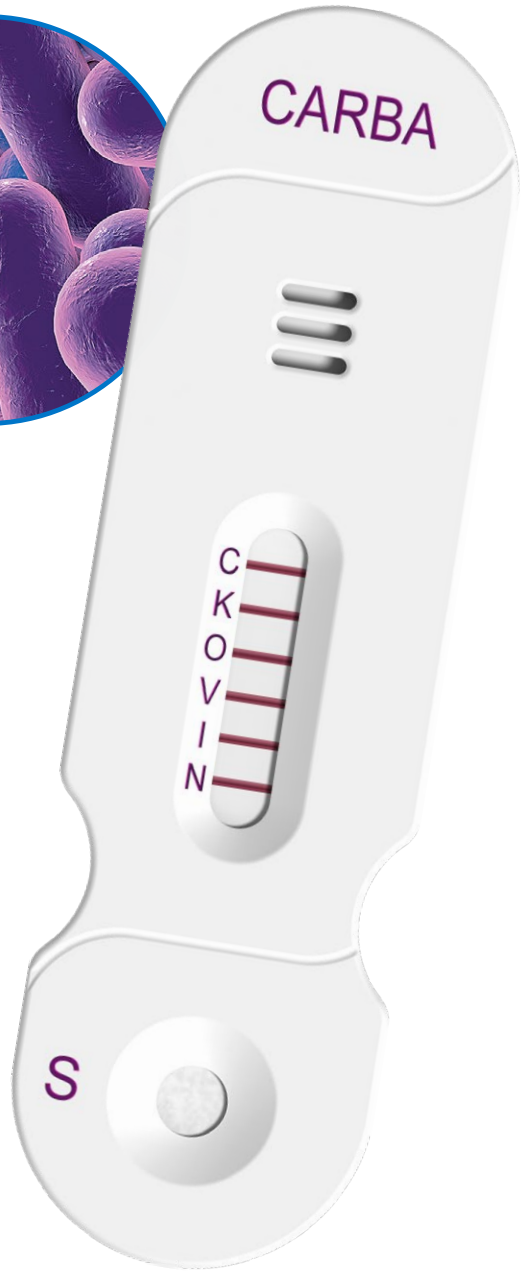
Hardy Diagnostics has a Quality Management System that is certified to ISO 13485 and is a FDA licensed medical device manufacturer

**Headquarters**

1430 West McCoy Lane  
Santa Maria, CA 93455  
800.266.2222  
Sales@HardyDiagnostics.com  
HardyDiagnostics.com

**Distribution Centers**

Santa Maria, California  
Olympia, Washington  
Salt Lake City, Utah  
Phoenix, Arizona  
Dallas, Texas  
Springboro, Ohio  
Lake City, Florida  
Albany, New York  
Raleigh, North Carolina



Free samples available. For more information, quotes, samples or demonstrations, please contact us at [CustomerSuccess@HardyDiagnostics.com](mailto:CustomerSuccess@HardyDiagnostics.com)