Rapid detection and differentiation of the five most common carbapenemases produced by Enterobacteriacea and Pseudomonas aeruginosa
We all know the threat of antimicrobial resistance is **real**.

**It’s time to fight back!**

**Introducing NG-Test® CARBA 5**

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

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

**Accurate** - NG-Test® CARBA 5, unlike molecular methods, detects the gene expression which can be crucial to aiding therapeutic decisions.

20/pk.............................CARBA5

5 simple steps!

1. **Buffer** 5 drops
2. Collect sample
3. Mix sample
4. Pipette sample 100 µL
5. 100 µL

With NG-Test® CARBA 5 you don’t need to guess. Simply perform the test from 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.

**15 min**

**Rapid.**

**Accurate.**

**User Friendly.**

HardyDiagnostics.com/CARBA5
## Performance of NG-Test® CARBA 5 vs. the comparator method

<table>
<thead>
<tr>
<th>Plate</th>
<th>Organism Group</th>
<th>NG-Test® CARBA 5</th>
<th>Reference method</th>
<th>Percent Agreement¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>5% Sheep’s Blood and MacConkey agar</td>
<td>Enterobacteriaceae and Pseudomonas aeruginosa</td>
<td>169</td>
<td>169</td>
<td>100.00% Positive agreement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>137</td>
<td>144</td>
<td>95.1% Negative agreement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>306</td>
<td>313</td>
<td>97.8% Overall agreement</td>
</tr>
<tr>
<td>HardyCHROM™ CRE agar</td>
<td>E. coli, KES</td>
<td>284</td>
<td>284</td>
<td>100% Positive agreement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>74</td>
<td>82</td>
<td>90.2% Negative agreement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>358</td>
<td>366</td>
<td>97.8% Overall agreement</td>
</tr>
</tbody>
</table>

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

## Example of interpretation

- **Negative**: C K O V I N
- **VIM Positive**: C K O V I N
- **INVALID**: No control line

## Identification process from bacterial culture

- **Stool / Urine / Biological samples** → **Selective medium* 18-24H** → **NG-Test® CARBA 5** (15 min)

*The validated media is Blood, MacConkey, and/or HardyCHROM™ CRE Agar*