**RESULTS**

The results are listed in the following tables:

**Table 1. In vitro activity of tigecycline and comparative agents against 21 mixed culture isolates.**

| Organism | TIGECYCLINE | AMIKACIN | CIPROFLOXACIN | TETRACYCLINE | MINOCYCLINE | DIFICIL 
|----------|--------------|----------|---------------|--------------|--------------|--------
| S. aureus | 100          | <0.5     | <0.5          | 0.12          | 0.5          | 1      
| E. coli  | <0.008       | <0.06    | 0.06          | <0.008       | <0.008      | 1      
| P. aeruginosa | <0.008 | 0.5      | 0.25          | <0.008       | <0.008      | 1      
| K. pneumoniae | <0.008 | 1       | 0.03          | <0.008       | <0.008      | 1      
| H. influenzae | <0.008 | 1       | 0.015         | <0.008       | <0.008      | 1      

**Table 2. In vitro activity of tigecycline and comparative agents against Enterobacteriaceae and Acinetobacter spp. at MICs of 0.025mg/ml.**

<table>
<thead>
<tr>
<th>Name</th>
<th>TIGECYCLINE</th>
<th>AMIKACIN</th>
<th>CIPROFLOXACIN</th>
<th>TETRACYCLINE</th>
<th>MINOCYCLINE</th>
<th>DIFICIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. coli</td>
<td>100</td>
<td>&lt;0.5</td>
<td>&lt;0.5</td>
<td>0.12</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>K. pneumoniae</td>
<td>&lt;0.008</td>
<td>1</td>
<td>0.03</td>
<td>&lt;0.008</td>
<td>&lt;0.008</td>
<td>1</td>
</tr>
<tr>
<td>H. influenzae</td>
<td>&lt;0.008</td>
<td>1</td>
<td>0.015</td>
<td>&lt;0.008</td>
<td>&lt;0.008</td>
<td>1</td>
</tr>
</tbody>
</table>

CONCLUSIONS

- Tigecycline MICs of 0.025mg/ml against S. aureus (including MRSA) and 0.5mg/ml against Enterococcus spp. were the lowest of all antimicrobials evaluated in this study.
- Tigecycline inhibited all Enterobacteriaceae at MICs of 0.025mg/ml (including ESBL-producing strains).
- Tigecycline inhibited Acinetobacter spp. at MICs of 0.025mg/ml, the lowest among all broad spectrum antimicrobials tested.
- Tigecycline demonstrated excellent inhibitory activity against S. pneumoniae and H. influenzae, without regard to susceptibility to penicillin or beta-lactam production.
- Although the number of isolates in this study is relatively small, these data indicate that tigecycline's potent inhibitory activity against South African community/hospital pathogens is similar to that seen in other regions of the world.

**REFERENCES**