Antimicrobial Susceptibility Profiles

- Note: The susceptibility information presented below is a summary of data gathered at ISU VDL for the time period listed. The information may be useful to understand susceptibility trends or as an aid in making clinical decisions, but may not be accurate for specific disease situations.

- In vitro antimicrobial test results do not represent therapeutic recommendations from the VDL or personnel therein. Extra/Off label usage of an antimicrobial which is limited/prohibited for certain species may result in legal action by FDA-CVM.

- Data is reported as: % susceptible (# isolates tested) - not all bacteria isolated at ISU VDL have been tested for antimicrobial susceptibility.

<table>
<thead>
<tr>
<th>Antibiotic</th>
<th>E coli</th>
<th>G ana</th>
<th>P mult</th>
<th>Salm B</th>
<th>Salm D</th>
<th>Salm sp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amoxicillin</td>
<td>79% (143)</td>
<td>100% (10)</td>
<td>100% (3)</td>
<td>96% (23)</td>
<td>100% (22)</td>
<td>91% (32)</td>
</tr>
<tr>
<td>Cefotiofur</td>
<td>94% (143)</td>
<td>100% (10)</td>
<td>100% (3)</td>
<td>100% (23)</td>
<td>100% (22)</td>
<td>94% (32)</td>
</tr>
<tr>
<td>Clindamycin</td>
<td>0% (143)</td>
<td>0% (10)</td>
<td>0% (3)</td>
<td>0% (23)</td>
<td>0% (22)</td>
<td>0% (32)</td>
</tr>
<tr>
<td>Enrofloxacin</td>
<td>97% (143)</td>
<td>100% (10)</td>
<td>100% (3)</td>
<td>100% (23)</td>
<td>100% (22)</td>
<td>100% (32)</td>
</tr>
<tr>
<td>Erythromycin</td>
<td>0% (143)</td>
<td>10% (10)</td>
<td>0% (3)</td>
<td>0% (23)</td>
<td>0% (22)</td>
<td>0% (32)</td>
</tr>
<tr>
<td>Florfenicol</td>
<td>46% (143)</td>
<td>100% (10)</td>
<td>100% (3)</td>
<td>48% (23)</td>
<td>18% (22)</td>
<td>63% (32)</td>
</tr>
<tr>
<td>Gentamicin</td>
<td>81% (143)</td>
<td>100% (10)</td>
<td>100% (3)</td>
<td>96% (23)</td>
<td>100% (22)</td>
<td>78% (32)</td>
</tr>
<tr>
<td>Neomycin</td>
<td>87% (143)</td>
<td>70% (10)</td>
<td>100% (3)</td>
<td>96% (23)</td>
<td>100% (22)</td>
<td>91% (32)</td>
</tr>
<tr>
<td>Novobiocin</td>
<td>0% (143)</td>
<td>10% (10)</td>
<td>67% (3)</td>
<td>0% (23)</td>
<td>0% (22)</td>
<td>0% (32)</td>
</tr>
<tr>
<td>Oxytetracycline</td>
<td>44% (143)</td>
<td>20% (10)</td>
<td>67% (3)</td>
<td>70% (23)</td>
<td>100% (22)</td>
<td>47% (32)</td>
</tr>
<tr>
<td>Penicillin</td>
<td>1% (143)</td>
<td>0% (10)</td>
<td>100% (3)</td>
<td>0% (23)</td>
<td>0% (22)</td>
<td>0% (32)</td>
</tr>
<tr>
<td>Spectinomycin</td>
<td>2% (143)</td>
<td>0% (10)</td>
<td>0% (3)</td>
<td>0% (23)</td>
<td>0% (22)</td>
<td>0% (32)</td>
</tr>
<tr>
<td>Streptomycin</td>
<td>60% (143)</td>
<td>90% (10)</td>
<td>0% (3)</td>
<td>30% (23)</td>
<td>100% (22)</td>
<td>38% (32)</td>
</tr>
<tr>
<td>Sulfadimethoxine</td>
<td>53% (143)</td>
<td>70% (10)</td>
<td>33% (3)</td>
<td>17% (23)</td>
<td>32% (22)</td>
<td>41% (32)</td>
</tr>
<tr>
<td>Sulphathiazole</td>
<td>62% (143)</td>
<td>40% (10)</td>
<td>33% (3)</td>
<td>70% (23)</td>
<td>95% (22)</td>
<td>69% (32)</td>
</tr>
<tr>
<td>Tetracycline</td>
<td>44% (143)</td>
<td>20% (10)</td>
<td>67% (3)</td>
<td>78% (23)</td>
<td>95% (22)</td>
<td>47% (32)</td>
</tr>
<tr>
<td>Trimethoprim/Sulphamethoxazole</td>
<td>94% (143)</td>
<td>90% (10)</td>
<td>100% (3)</td>
<td>100% (23)</td>
<td>100% (22)</td>
<td>100% (32)</td>
</tr>
<tr>
<td>Tylosin (Tartrate/Base)</td>
<td>0% (143)</td>
<td>10% (10)</td>
<td>0% (3)</td>
<td>0% (23)</td>
<td>0% (22)</td>
<td>0% (32)</td>
</tr>
</tbody>
</table>

\(^2\) See [Salmonella serotype table](#) on page 18 for most common serotypes isolated within each group.