**Technical Bulletin**

**Delvotest® T**

**Sensitivity of the Delvotest T**

The table presented in this document is a list of sensitivity of the Delvotest® T for the most used antibiotics in the world. This list is not exhaustive. The test is sensitive to many more antibiotic drugs and sulfonamides.

The sensitivity corresponds to the concentration for which 95% of the samples analyzed are positive.

The best test sensitivity is reached when using the control time (3 hours ± 5 min). To measure at control time, use one test with negative control milk and stop the incubation of the test when the test with the control milk as turned yellow. Read then the result of the unknown samples.

The detection concentrations of the test when using a fix incubation time (3 hours) are very similar. There are no significant differences between plates and ampoules.

<table>
<thead>
<tr>
<th>Antibiotic class</th>
<th>Antibiotic</th>
<th>MRL</th>
<th>Ampoule</th>
<th>Break-Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penicillins</td>
<td>Amoxicillin</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Ampicillin</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Penicillin G</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Cloxacillin</td>
<td>30</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Oxacillin</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Tetracyclines</td>
<td>Oxytetracycline</td>
<td>100</td>
<td>100</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>Chlortetracycline</td>
<td>100</td>
<td>150</td>
<td>152</td>
</tr>
<tr>
<td></td>
<td>Tetracycline</td>
<td>100</td>
<td>70</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>Doxycycline</td>
<td>(0)</td>
<td>50</td>
<td>40</td>
</tr>
<tr>
<td>Sulfonamides</td>
<td>Sulfamethazine</td>
<td>100</td>
<td>135</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>Sulfathiazole</td>
<td>100</td>
<td>40</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Sulfadimethoxine</td>
<td>100</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Sulfadiazine</td>
<td>100</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>Macrolides</td>
<td>Tilmicosin</td>
<td>50</td>
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<td>60</td>
</tr>
<tr>
<td></td>
<td>Tylosin</td>
<td>50</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>Erythromycin</td>
<td>40</td>
<td>160</td>
<td>150</td>
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</table>

<table>
<thead>
<tr>
<th>Antibiotic class</th>
<th>Antibiotic</th>
<th>MRL</th>
<th>Ampoule</th>
<th>Break-Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminoglycosidases</td>
<td>Neomycin</td>
<td>1500</td>
<td>60</td>
<td>110</td>
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<td></td>
<td>Gentamycin</td>
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<td>65</td>
<td>80</td>
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<td>Kanamycin</td>
<td>150</td>
<td>1010</td>
<td>1310</td>
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<td></td>
<td>DH/Streptomycin</td>
<td>200</td>
<td>4240</td>
<td>5830</td>
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<tr>
<td></td>
<td>Spectinomycin</td>
<td>200</td>
<td>2010</td>
<td>1850</td>
</tr>
<tr>
<td>Cephalosporins</td>
<td>Cephapirin</td>
<td>60</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Ceftiofur (pur)*</td>
<td>100</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Cefoperazone</td>
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<td>40</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Cefalexin</td>
<td>100</td>
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<td>20</td>
</tr>
<tr>
<td></td>
<td>Cefquinome</td>
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<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Others</td>
<td>Lincomycin</td>
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<td>220</td>
<td>180</td>
</tr>
<tr>
<td></td>
<td>Chloramphenicol</td>
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<tr>
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<tr>
<td></td>
<td>Rifamixin</td>
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<tr>
<td></td>
<td>Dapson</td>
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<td>30</td>
<td>35</td>
</tr>
</tbody>
</table>

*A ceftiofur with metabolites has a detection limit about 4 times higher.*

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