SHIGELLA FLEXNERI
AR-BANK#0421

**MIC (µg/ml) RESULTS AND INTERPRETATION**

<table>
<thead>
<tr>
<th>DRUG</th>
<th>MIC</th>
<th>INT</th>
<th>DRUG</th>
<th>MIC</th>
<th>INT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amoxicillin/clavulanic acid</td>
<td>16</td>
<td>I</td>
<td>Ciprofloxacin</td>
<td>≤0.015</td>
<td>S</td>
</tr>
<tr>
<td>Ampicillin</td>
<td>&gt;32</td>
<td>R</td>
<td>Gentamicin</td>
<td>&gt;16</td>
<td>R</td>
</tr>
<tr>
<td>Azithromycin</td>
<td>1</td>
<td>---</td>
<td>Nalidixic Acid</td>
<td>2</td>
<td>S</td>
</tr>
<tr>
<td>Cefoxitin</td>
<td>4</td>
<td>S</td>
<td>Streptomycin</td>
<td>64</td>
<td>---</td>
</tr>
<tr>
<td>Ceftiofur</td>
<td>&gt;8</td>
<td>---</td>
<td>Sulfoxazole</td>
<td>&gt;256</td>
<td>R</td>
</tr>
<tr>
<td>Ceftriaxone</td>
<td>16</td>
<td>R</td>
<td>Tetracycline</td>
<td>&gt;32</td>
<td>R</td>
</tr>
<tr>
<td>Chloramphenicol</td>
<td>&gt;32</td>
<td>R</td>
<td>Trimethoprim/sulfamethoxazole</td>
<td>&gt;4</td>
<td>R</td>
</tr>
</tbody>
</table>

S – I – R Interpretation (INT) derived from CLSI 2017 M100 S27

1 Reflects MIC of first component

**PROPAGATION**

**MEDIUM**

Medium: Trypticase Soy Agar with 5% Sheep Blood (BAP)

**GROWTH CONDITIONS**

Temperature: 35°C
Atmosphere: **Aerobic**

**PROPAGATION PROCEDURE**

Remove the sample vial to a container with dry ice or a freezer block. Keep vial on ice or block. (Do not let vial content thaw)

Open vial aseptically to avoid contamination

Using a sterile loop, remove a small amount of frozen isolate from the top of the vial

Aseptically transfer the loop to BAP

Use streak plate method to isolate single colonies

Incubate inverted plate at 35°C for 18-24 hrs.
BIOSAFETY LEVEL 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *BioSafety in Microbiological and Biomedical Laboratories* (HHS Publication No. (CDC) 21-1112) from the U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, and National Institutes of Health.

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