Thermo Scientific Sensititre plate setup guide
For Streptococcus spp. and S. pneumoniae

1. Pick 3-5 colonies from agar plate and emulsify in 5 mL Thermo Scientific™ Sensititre™ Mueller Hinton Broth

2. Adjust suspension to 0.5 McFarland equivalent using the Thermo Scientific™ Sensititre™ Nephelometer

3. Transfer 100 µL to 11 mL Thermo Scientific™ Mueller-Hinton Broth with Lysed Horseblood

4. Inoculate the panel with 100 µL per well using the Thermo Scientific™ Sensititre AIM™ Automated Inoculation Delivery System

5. Cover all wells with the perforated adhesive seal. Incubate in at 34-36 °C aerobically for 20-24 hours*

6. Read results using the Thermo Scientific™ Sensititre™ Vizion™ System or Thermo Scientific™ Sensititre™ Manual Viewbox

To meet your laboratory quality assurance guidelines

- **Quality control testing**
  Analyze appropriate quality control organisms with known MIC values (e.g. ATCC strains, available from Thermo Scientific™ Culti-Loops™ product portfolio) to confirm reliable performance of your consumables and workflow.

- **Colony count**
  After inoculating the broth, transfer 100 µL from the remaining broth into a new 11 mL Mueller-Hinton broth. Incubate overnight and count the colonies. Expected results should fall into the range of 50-500 colony forming units.

- **Purity check**
  Streak 1 µL from the positive control well or remaining broth directly on to a blood agar plate and incubate overnight.

Ordering information

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermo Scientific 0.5 Polymer McFarland Standard</td>
<td>Each</td>
<td>E1041</td>
</tr>
<tr>
<td>Thermo Scientific Doseheads for Sensititre AIM</td>
<td>100/Pack</td>
<td>E3010</td>
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<tr>
<td>Thermo Scientific Mueller-Hinton Broth</td>
<td>100 x 5 mL</td>
<td>T3462-05</td>
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<tr>
<td>Thermo Scientific Mueller-Hinton Broth with Lysed Horseblood</td>
<td>10 x 11 mL</td>
<td>CP-112</td>
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<tr>
<td>Thermo Scientific Culti-Loops Quality Control Organisms</td>
<td>Contact your Thermo Fisher Microbiology representative for options</td>
<td></td>
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*Sealed plates can be stacked up to 3 high in an incubator.

Find out more at [thermofisher.com/sensititre](http://thermofisher.com/sensititre)