Technical Datasheet

**Analysis Name:** Sulfite-Reducing Anaerobic Spores Enumeration

**Method Number:** LI-10.114-2

**Scope of Application:** Potable water

**Description:** A quantitative method for the enumeration of mesophilic anaerobic sulfite-reducing spore formers. To enumerate spores, samples are heat treated for 15 min at 75°C prior to plating. 100 ml of sample is filtered, and the membrane is placed onto a TSC agar plate incubated under anaerobic conditions at 37°C for 44 – 48 hrs. Typical colonies are counted as sulfite reducing bacteria.

**Sample Weight Required:** 150 mL

**Method Reference:** ISO 6461-2:1986

**Analytical Platform:** Cultural method

**Special information:** All typical colonies are subject to confirmation test that differentiates *Clostridia* from facultative anaerobic sulfite reducing bacteria (*Bacillus*). Only confirmed *Clostridia* count is reported. Bacteria count without confirmation is available by special request only.

<table>
<thead>
<tr>
<th>Analyte Reported</th>
<th>Alias</th>
<th>Unit of Measure</th>
<th>Limit of Quantification</th>
<th>Measurement Uncertainty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anaerobic Mesophilic Spore Result</td>
<td></td>
<td>CFU / 100 mL</td>
<td>&lt;1 CFU / 100 mL</td>
<td>0.121</td>
</tr>
</tbody>
</table>