

# ASM Solution 1

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## Abstract

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## Guidelines

Glassware should be acid-washed and rinsed well with dH<sub>2</sub>O before use. If unable to measure small quantities accurately, either scale up the recipe or prepare stock solutions of the individual compounds.

## Protocol

### Step 1.

Measure 500 mL dH<sub>2</sub>O into a 1 L glass bottle.

### Step 2.

Dissolve 10.595 g NaCl into the bottle.

### Step 3.

Dissolve 1.775 g Na<sub>2</sub>SO<sub>4</sub> into the bottle.

### Step 4.

Dissolve 0.2795 g KCl into the bottle.

### Step 5.

Dissolve 43.1 mg KBr into the bottle.

### Step 6.

Dissolve 0.1145 g H<sub>3</sub>BO<sub>3</sub> into the bottle.

### Step 7.

Dissolve 1.375 mg NaF into the bottle.

### Step 8.

Dissolve 86.75 mg NaHCO<sub>3</sub> into the bottle.

### Step 9.

Mix final solution well and set aside until ready to autoclave.