How to Make 0.1% Chlorine Solution to Disinfect Surfaces in Healthcare Settings

Use 0.1% (1,000ppm) chlorine solution to disinfect frequently touched surfaces and items. **Make new 0.1% chlorine solution every day.** Throw away any leftover solution from the day before.

Proceed with only one of the following: 2a or 2b or 2c

<table>
<thead>
<tr>
<th>From Liquid Bleach (5%)</th>
<th>OR</th>
<th>From HTH (70%)</th>
<th>OR</th>
<th>From Chlorine Powder (35%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400ml liquid bleach</td>
<td></td>
<td>2 tablespoons of HTH</td>
<td></td>
<td>4 tablespoons chlorine powder</td>
</tr>
<tr>
<td>20 liters of water</td>
<td></td>
<td>20 liters of water</td>
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<td>20 liters of water</td>
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</tbody>
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1. Make sure to wear required PPE.
2a. Pour 400mL of liquid bleach into a 20L bucket, then fill with water to 20L mark (or pour 1 part liquid bleach and 49 parts water for any volume).
2b. Add TWO tablespoons (30g) of high-test hypochlorite (HTH) (70%) to 20 liters of water in a bucket.
2c. Add FOUR tablespoons (60g) of chlorine powder (35%) to 20 liters of water in a bucket.

3. Stir well for 10 seconds, or until chlorine powder/granules have dissolved.
4. Wait 30 minutes before use.
5. Label bucket “0.1% Chlorine Solution – Disinfecting.”
6. Cover bucket with lid. Do not store in direct sunlight.

**WARNING**
- Do NOT mix chlorine solution with other cleaning products.
- Do NOT put chlorine solution in mouth or eyes.

**Supplies Needed**
- Tablespoon
- Measuring cup or 1-liter bottle
- Bucket with lid and spigot
- Water
- 5% Liquid bleach OR 70% HTH OR 35% chlorine powder
- Stick for stirring
- Label