

Chemical Sanitizers Chlorine, Quats, Iodine

How to Mix a Sanitizing Solution

Proper sanitizing reduces the number of microorganisms on surfaces to safe levels. Chemical solutions can be used to sanitize utensils, glasses, dishes and other food-contact surfaces such as counters, cutting boards, knives, and equipment.

Things you will need to mix chlorine-based sanitizer solution:

1. Ordinary household bleach. Do NOT use scented bleach or fibre guard/colour guard.
2. Teaspoon measuring spoon (or medicine cup)
3. Measuring cup
4. Spray bottle labelled Bleach Sanitizer 100 ppm



Mix according to the directions provided below.

If using quaternary ammonia (QUAT) solution or iodine solution, be sure it is at the correct strength.

Sanitizer Type	How to Mix	Solution Strength
Chlorine Solution	Mix 2 mL (½ teaspoon) plain chlorine bleach into 1-litre water	100 ppm Chlorine
Quaternary Ammonia Solution (QUATS)	Follow the manufacturer's instructions	200 ppm QUATS

Iodine Solution	Follow manufacturer's instructions	Between 12.5ppm - 25 ppm Iodine
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Remember:

- ✓ Chlorine sanitizer can lose its strength very quickly. Check the strength frequently and make a new solution when the strength goes below 100 ppm.
- ✓ Use test strips to check the strength of the sanitizing solution.

Do not mix chlorine bleach with detergent or other chemicals.

More is not better!

