
Preparing Household Bleach Solution as Disinfectant

Preparing a 1:100 Household Bleach Solution

(intermediate level disinfection)

Mixture:

- 50 ml (1/4 cup) household bleach + 4950 ml (24 3/4 cups) water
OR
- 5 ml (1 tsp) household bleach + 495 ml (2 cups) water

This standard solution should be used for disinfecting non-critical items and surfaces. It should be mixed daily to preserve the strength.

Preparing a 1:10 Household Bleach Solution

(high level disinfection)

Mixture:

- 250 ml (1 cup) household bleach + 2250 ml (9 cups) water
OR
- 125 ml (1/2 cup) household bleach + 1125 ml (4 1/2 cups) water
OR
- 50 ml (1/4 cup) household bleach + 450 ml (2 1/4 cups) water

This strong bleach/water solution should be used to decontaminate surfaces following contact with body substances including blood-contaminated items and work surfaces and all semi-critical items not sterilized in an autoclave or dry heat sterilizer. This solution should be mixed daily to preserve the strength.