

Diluting Bleach for Disinfection

- Prepare fresh diluted bleach solutions daily or when solution is contaminated by organic material. Discard any solution left from the previous day.
- Use the appropriate dilution for the disinfection task.
 - 1:32 general disinfection
 - 1:10 to inactivate ringworm
- Tightly close containers that hold bleach and diluted bleach solutions.
- Protect the diluted bleach solution from light.

To prepare a solution:

1. Assemble an empty container of the required size, 5.25% bleach, and water.

Note: The percent concentration of bleach (sodium hypochlorite) is printed on the product label.

2. Add the correct volume of bleach to the empty container.
3. Add water to the container until the required volume is reached.

Example: Add 1/2 Cup 5.25% bleach to a gallon container, and then add water to the container until the solution reaches the 1 gallon level.

1:32 Dilution: Use for General Disinfection (also Parvovirus, Panleukopenia, Calicivirus)	
<i>This Volume of Water. . .</i>	<i>Requires this Volume of 5.25% Bleach</i>
1 Gallon	1/2 Cup
24 Ounces	4-1/2 teaspoons
16 Ounces	1 Tablespoon
8 Ounces	1-1/2 teaspoons

1:10 Dilution: Use for Disinfection If Ringworm May Be Present	
<i>This Volume of Water. . .</i>	<i>Requires this Volume of 5.25% Bleach</i>
1 Gallon	1-1/2 Cups
24 Ounces	1/4 C + 1-1/2 teaspoons
16 Ounces	3 Tablespoons
8 Ounces	4-1/2 teaspoons

Liquid Volumes		
<i>This Volume...</i>	<i>Equals...</i>	<i>In Milliliters...</i>
1 Gallon	4 Quarts OR 8 Pints OR 16 Cups OR 128 Ounces	3840 mLs
1 Quart	2 Pints OR 4 Cups OR 32 Ounces	960 mLs
1 Pint	2 Cups OR 16 Ounces	480 mLs
1 Cup	8 Ounces	240 mLs
1 Ounce	2 Tablespoons	30 mLs
1 Tablespoon	3 teaspoons	15 mLs
1/2 Tablespoon	1-1/2 teaspoons	7.5 mLs