

Bleach Dilution Chart

Items for Disinfection	Ratios and examples of mixing bleach solution	Level required
Bleach is not recommended for high level disinfection. See Section 15: Reprocessing and Sterilizing of Medical Equipment.		High-level Disinfection
<p>Semi critical items: Items that may penetrate skin and come into contact with blood and body fluids.</p> <p>Manicure/pedicure items, foot tubs</p> <p>Contact time: more than 10 minutes</p>	<p>1:500</p> <p>10 ml bleach with 490 ml water</p> <p>or</p> <p>2 tsp. bleach with 2 cups water</p>	Intermediate-Level Disinfection
<p>Semi critical items: Use for semi critical items that may come in contact with mucous membranes:</p> <p>Toys</p> <p>Contact time > 2 minutes</p>	<p>1:100</p> <p>80 ml with 8 litres of water</p> <p>or</p> <p>1/3 of a cup with 2 gallons of water</p>	Intermediate-Level Disinfection
<p>Non critical items: Items cleaned in the washing machine:</p> <p>Laundry, mop heads, cleaning clothes</p> <p>Contact time: Full wash cycle</p>	<p>1:500</p> <p>Approximately 250 ml</p> <p>or</p> <p>1 cup per machine load</p> <p>Based on 25 gallon / 100 litre machine</p>	Low-Level Disinfection
<p>Non critical items: Items that come in contact with skin:</p> <p>Combs, brushes</p> <p>Contact time: > 2 minutes</p>	<p>1:500</p> <p>5 ml bleach with 2½ litres water</p> <p>or</p> <p>1 tsp bleach with 10 cups water</p>	

Updated: March 2015