



Norovirus Cleaning Guidelines

SURFACES	BLEACH SOLUTION*	DILUTION	CONTACT TIME
Non-porous surfaces: Porcelain or ceramic surfaces, tile floors, counter tops, toilets, sinks. (Use 1:10 dilution if high levels of soiling.)	1000 ppm (parts per million): 1/3 cup (5 tablespoons) bleach mixed in 1 gallon water	1:50	A contact time of up to 10-20 minutes may be required for maximal effect.
Porous surfaces: wood floors, cement	5000 ppm: 1 2/3 cup (25 tablespoons) bleach mixed in 1 gallon water	1:10	
CLEANING	HANDLING PRECAUTIONS AND DISINFECTION PROCESS		
Cleaning Supplies Needed	<ul style="list-style-type: none"> • Cleaning solution of bleach or other approved disinfectant. http://www.epa.gov/oppad001/list_g_norovirus.pdf • Bucket and mop – disinfect after using. • Personal Protective Equipment <ul style="list-style-type: none"> ○ Disposable gloves, gown to protect clothes and a mask for fecal/vomit cleaning. • Plastic trash bags that can be tied. 		
Carpets, upholstery	<ul style="list-style-type: none"> • Carefully remove vomitus and feces to minimize aerosols; wipe with absorbent material. • Clean with hot water and detergent or steam clean at 158° F for 5 minutes or 212° F for 1 minute. • Dry vacuuming and floor buffing is not recommended, since virus may become airborne 		
Linens, textiles, and clothing	<ul style="list-style-type: none"> • Immediately wash linens (including pillows) and clothing that may be contaminated with the virus, especially after an episode of illness. Minimize aerosols by gently handling or bundling soiled materials. Do not shake out laundry prior to laundering. • Remove excess vomit or stool carefully from material. • Separate norovirus-contaminated and uncontaminated laundry. • Launder with hot water and detergent on the maximum cycle length and machine dry. 		
Institutional Cleaning	<ul style="list-style-type: none"> • Commonly touched surfaces like doorknobs, rails, elevator buttons, phones, tables and chairs should be cleaned often. • Ensure ice machines are clean, if source of contamination the machine will need to be thoroughly disinfected. 		

*Presume use of standard (5.25%) bleach solution. Solution should be made daily or kept in a light-proof container and discarded after 30 days as it loses efficacy.