

Shelter Disinfectant Quick Reference

Disinfectant	Accelerated Hydrogen Peroxide	Potassium Peroxymonosulfate	Quaternary Ammonium Compounds (Quats)	Calcium Hypochlorite	Regular Household Bleach* (Sodium Hypochlorite)
Effective against non-enveloped viruses?	Yes, dilute 1:32	Yes at 1%	Not according to independent published research	Yes	Yes, dilute 1:32 (1/2 cup per gallon)
Effective against ringworm following effective pre-cleaning?	Yes, dilute 1:16	Yes at 2%	Yes, if labeled fungicidal against <i>Trichophyton</i> spp.	Not according to independent published research	Yes, dilute 1:32 (1/2 cup per gallon)
Inactivated by organic material?	Minimal	Slightly; less inactivation than bleach or quats	Mildly inactivated	Yes	Yes
Requires cleaning as separate step?	Some detergent activity, but cleaning beforehand recommended for heavily soiled surfaces	Some detergent activity, but cleaning beforehand recommended for heavily soiled surfaces	Variable detergent activity, requires some cleaning beforehand	No detergent activity, always requires extensive cleaning beforehand	No detergent activity, always requires extensive cleaning beforehand
Stability when diluted	90 days	7 days	Varies	24 hours	24 hours
Recommended contact time	10 minutes for 1:32 dilution 5 minutes for 1:16 dilution	10 minutes	10 minutes	10 minutes	10 minutes
Rinse required?*	No	No	Yes	Yes	Yes

* Regular household bleach is most commonly 5.25%, however always check the concentration of the bleach product you are using and prepare dilutions accordingly; use our interactive [Bleach Dilution Calculator](#) for finding the proper bleach to water ratio for disinfecting.

** To remove any residual disinfectant, rinsing housing areas and food/water dishes is always recommended regardless of which product is used.