



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 Trichophyton 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

** Independent studies have demonstrated efficacy against ringworm with 1:32 dilution and 10 minutes contact time

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