

Shelter Disinfectant Quick Reference



Disinfectant	5.25% Household Bleach (Sodium Hypochlorite)	Quaternary Ammonium (Quats)	Accelerated Hydrogen Peroxide	Potassium Peroxymonosulfate
Common names	(Clorox, many others)	Roccal, KennelSol, A33, Parvosol, D256	Accel TB	Trifectant, Virkon-S
Effective Against Parvovirus?	Yes Dilute 1:32	Not reliably	Yes	Yes
Effective Against Panleukopenia?	Yes Dilute 1:32	Not reliably	Yes	Yes
Effective Against Ringworm?	Yes Dilute 1:10	No	Labeled as effective but not confirmed with independent studies	Not reliably
Effective Against Calicivirus?	Yes Dilute 1:32	No	Yes	Yes
Inactivated by Organic Material?	Yes	Mildly inactivated	No	Less inactivation than bleach or quats
Stability When Prepared	24 hours if protected from light	24 hours	Ready to use 0.5% solution has a 3 year shelf life	7 days when mixed from powder
Minimum Contact Time	10 minutes	10 minutes	1-5 minutes (bacteria, virus) 10 minutes (ringworm)	10 minutes
Detergent Activity?	No	Mild but rinsing is critical	Yes	Yes
Rinse Required?	Yes	Yes	No	No
Cost Comparison	Cheap	More expensive than Bleach	Most expensive	More expensive than Bleach or Quats
Notes	Highly corrosive to metal		Ready to use liquid can be applied in a variety of ways	

Prepare and use all disinfectants as directed on the product packaging. Products may not be effective if prepared or used incorrectly. Do not combine disinfectant products or combine disinfectants with soap and detergents in a single solution.