

CERTIFICATE

THE DATA PRESENTED ON THIS CERTIFICATE REPRESENTS THE RESULTS AND FINDINGS OF ABBOTT ANALITICAL, BIOBEST AND BIOLOGICAL SOLUTIONS-LLC AS OUTLINED.

BioBest : Scientific Evaluation; Effects of Citrox on Influenza Viruses

All Influenza A subtypes share structural properties of the Influenza viruses including a lipid envelope. Immunological variations in the Haemagglutinin (H) and Neuraminidase (N) protein have no effect on the overall structure of the virus or susceptibility to chemical disinfection. On this basis I believe that a disinfectant shown to successfully inactivate H1 and H5 subtypes of Influenza virus would have an identical virucidal action on H7 subtypes including the newly emerged H7N9. It would be reasonable to use a product effective against H1 and H5 influenza strains against H7 strains.


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AbbottAnalytical : Summary of testing carried out on Citrox Be

Where Citrox BC has been used in other products such as Handrubs the results obtained have been most encouraging showing that the products when used neat routinely give a log5 reduction in count of both gram positive and gram negative bacteria and perform as well as 60% Propanol in ENI 500 handrub tests. There does also appear to be some residual activity up to 3 hours post activity showing a tenfold reduction in numbers of bacteria surviving compare with Propanol.

I would conclude by saying that Citrox BC and related products are effective biocides and, provided they are not diluted beyond 0.5% v/v final concentration, will provide comparable antimicrobial activity to other generic products on the market.



DC Watson BSc, CBiol, MIBiol.

Biological Solutions - LLC: Confirmatory Virucidal Effectiveness Test Using Feline Calicivirus (Surrogate for Norwalk virus (Norovirus))

According to the regulatory agencies, the test agent passes the test if there is complete inactivation of the virus at all dilutions. When cytotoxicity is evident, at least a three-log reduction in titer must be demonstrated beyond the cytotoxic level. When tested as described, Decosan (also known as Citrox AV20) passed the Virucidal Effectiveness Test when Feline calicivirus was exposed to the test agent for 1 minute at 22°C. All of the controls met the criteria for a valid test. These conclusions are based on observed data.

The log10 reduction (LR) of infectious virus observed as cytopathic effects of Feline calicivirus as determined using the Most Probable Number (MPN) method as described in EPA-Statistic Primer (EPA-SP). The cell viability control demonstrated CrFK cell viability and media sterility. Virus was not recovered in the cell viability control.

Peggy R. Cherwood



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