

Title	Rely⁺On[®] Virkon[®] – orthopox virus efficacy				
Facility	University of Paris-Sud	Faculty of Pharmacology - Department of Microbiology & Immunology			
Author	Prof. A. M. Quero	Date	29th April 1992		
Method	AFNOR N F T 72-180	Antiseptics and disinfectants used in liquid form and miscible with water. Determination of virucide activity. Viruses of vertebrates.			
Type	Virucidal suspension test				
Product	Batch 5572				
Dilution	1:100 (1.0%)				
Organism	Orthopox vaccine strain, cultivated in VERO cells with growth medium Eagle (MEM), 10% FCS, plus penicillin (200 U /ml), streptomycin 0.04mg/ml. Maintenance medium MEM , with 2% FCS & antibiotics.				
Technique	Viruses titred on microslides, measuring CPE on cells	Titre assessed by Fisher method , to determine the probable number of infectious units (UI/ml)			
Test					
Controls					
Elimination of virucidal effect	Rely⁺On[®] Virkon[®] 1%, diluted 1:20	No virucidal effect found			
		Virus indicator	DSF 1:20 + virus (1hr/20C)		
		8.01	7.82		
Elimination of cytotoxic effect	Rely⁺On[®] Virkon[®] 1%, diluted 1:20	No cytotoxic effect found on VERO cells			
Test conditions	Reaction tube (R)	0.5ml viral suspension + 4.5ml disinfectant			
	Control (C)	0.5ml viral suspension + 4.5ml buffered saline			
	Temperature	21C			
	Contact times, mins	15,30,60			
	Protein content	Viral strain 1.3mg/litre	Medium 0.13mg/litre		
Results & Conclusion	Rely⁺On[®] Virkon[®] 1% (log)	Control titre	15 min	30 min	60 min
		7.80	<3.64	<3.64	<3.64
	Conclusion	Reduction in orthopox virus count, R > 4.16 log at each tested contact time, in accordance with N F T 72-180 method.			