



Manorapid Synergy Profile

The **Manorapid Synergy** is a new patented hand disinfectant, specifically developed to inactivate viruses that can be transferred via hand contact with infected patients or contaminated surfaces. This product was formulated on the basis of synergistically active combination of short chain aliphatic alcohols.

The reason for the development of this product was the demand of a skin compatible disinfectant for the hygienic hand disinfection that is virucidal with short contact time and the flash point in excess of 21.5°C.

The **Manorapid Synergy** has been tested and found effective against the following viruses:

Polio1, Rhinoviruses, Hepatitis A virus, Norwalk like viruses, Adenoviruses, Rotaviruses, Papillomaviruses, Simian virus 40, Influenza type A, B, Hepatitis B, Hepatitis C, Respiratory Syncytial virus, Herpes Simplex type I, II.

Until present time, the best virucidal hand disinfectant was Ethanol, but even 80% concentration by volume could not effectively inactivate the Hepatitis A virus. On the other hand, increasing the concentration of Ethanol to over 90% by volume lead to increased cytotoxicity and lowering of the flash point to less than 15°C. The effectiveness of the **Manorapid Synergy** against Polio virus type 1 was tested according to the ASTM Standard Method E- 1838-96 under practical conditions. The results of this test show, that **Manorapid Synergy** was able to inactivate more than 99.9% of the Polio type 1 virus in 30 sec. of contact.

Manorapid Synergy is also a powerful antibacterial and antifungal product. Tests performed according to the European Standard Method EN-1500 under practical conditions on a variety of bacteria, show more than 99.99% effectiveness for 30 sec. time of contact.

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