

Statement of efficacy against Sars-CoV-2

The ISS COVID-19 Report - No. 20/2020, where the "Indications for sanitizing indoor environments to prevent the transmission of SARS-VOC 2" are defined, establishes the effectiveness of the most common disinfectant products in stemming this health emergency.

Viruses can be classified into three subgroups based on their resistance to chemical disinfectants:

- small (<50 nm) without highly resistant envelopes;
- large (> 50 nm) without medium sensitive envelopes;
- large (> 50 nm) with highly sensitive envelopes.

The corona viruses of which SARS-CoV-2 belongs to the latter group.

Enveloped viruses are the most sensitive to inactivation by disinfectants, because they have a lipid pericapsid that is easily damaged by most disinfectants, which compromise the integrity of the virus and neutralize its infectious capacity.

The effectiveness criteria are based on the ease with which the three types of viruses are inactivated by disinfectants.

The EN 14476 standard regulates the tests that a disinfectant must undergo to evaluate its virucidal activity and establishes to test the product on two test viruses, one of which is poliovirus, a particularly resistant naked virus.

The evidences (..) have shown that the same viruses can be effectively inactivated through surface disinfection procedures by means of:

- 62-71% V / V ethyl alcohol
- 0.5% hydrogen peroxide
- 0.1% sodium hypochlorite active chlorine for at least 1 minute

Therefore it is certified that the products of the NT-OXY Line marketed by Peroxymed srl are absolutely effective in countering the spread of Sars-CoV-2 and are indicated in the official sanitization protocols containing as the active ingredient hydrogen peroxide in a minimum concentration of 0.6%.