

PVP-Iodine has been investigated for virucidal activity

- PVP-I activity specifically against strains of Coronavirus (MERS, SARS and SARS-CoV-2) has been tested in vitro in recent studies^{1,3,4,5}
- PVP-I based 7% gargle mouth wash formula showed in vitro rapid inactivation² of MERS CoV and SARS CoV in 15s exposure
- PVP-I based 4% skin cleanser formula showed >99.99% inactivation of MERS CoV⁴ in 15s exposure
- The mode of action is related to the active I₂ form, e.g. oxidizing vital pathogen structures and disrupting cellular membranes^{5,6}
- Several commercial PVP-I-based products were tested under European guidelines⁵ (EN 14476, EN 1499) with proven virucidal efficacy
- Certain publications consider that the use of MVA and MVN test models provide data that can be used for decision-making during public health crisis⁵

PVP-I-based skin cleanser and mouth wash products may provide viral decontamination on skin and oral cavity, potentially limiting transmission of coronavirus infection, such as MERS, SARS and SARS-CoV-2 during outbreaks⁴

¹ *Lancet Microbe* 2020, April 2, 2020
[https://doi.org/10.1016/S2666-5247\(20\)30003-3](https://doi.org/10.1016/S2666-5247(20)30003-3)

²In accordance with validated test method EN 14476

³*Infectious Diseases and Therapy* (2018), 7, 249-259

⁴*Infectious Diseases and Therapy* (2015), 4, 491-501

⁵*Infectious Diseases and Therapy* (2019), 8, 581-593

⁶*J. Antimicrob Chemother.* 2001; 47(6):896-7

