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## **Choice of Disinfectants and their Performance: A Critical Review with Emphasis on COVID 19**

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### **Abstract**

Especially in microbiological laboratories and spaces where medical use is heavily used, in order to reduce the load of bacteria or viruses and prevent microbial transmission, it is necessary to disinfect the routinely and entire surfaces. In the current COVID-19 pandemic scenario caused by the Coronavirus novel (SARS-COV-2), continue to reshape the globe, the issue of surface disinfection is more critical. The choice of disinfectant, exposure time, and frequency of application are vital factors, and different disinfectants vary in these three points. The conventional methods of disinfection with wiping cannot be used standardized and not effective in the longer term. In this article, we have systemically reviewed different disinfectants presently in use or the development phase in terms of their performance with special emphasis on COVID-19 pandemic.

**Keywords:** SARS-CoV-2; Covid-19; Prevention; Novel Disinfectant; Performance.

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