09/04/2020

Dear Valued Customer

RE: Filter Efficiency against COVID-19

Fairmont Medical Products anaesthetic filters are tested by Nelson Laboratory for both Bacterial (BFE) and Viral (VFE) Efficacy Testing. Nelson Laboratories test method has been adapted from the ASTM F2101. More specifically, Nelson Laboratories use ΦX174 Bacteriophage which has a diameter of 27nm (0.027µm) and therefore, provides a severe challenge to the test filter for both bacterial and viral organisms.

The morphology of Coronavirus (2019-nCov) which originated in PRC- Wuhan has been determined to be in the range of 0.07 - 0.09µm[1]. Which means that the test involving ΦX174 Bacteriophage is a much higher challenge than that of Coronavirus (2019-nCov).

Therefore, based on the above information it can be inferred that Fairmont Medical's filters may provide a similar filter efficiency when challenged with COVID-19.

Please be aware that information surrounding the features of COVID-19 largely remain unknown and the information above is based on recently published data, we have not conducted testing against COVID-19 virus and caution shall be taken.

With best regards,

Evan Niteros

Quality Assurance and Regulatory Affairs Manager

[1] Kim, J.-M., Chung, Y.-S., Jo, H. J., Lee, N.-J., Kim, M. S., Woo, S. H., … Han, M.-G. (2020).. Osong Public Health and Research Perspectives, 11(1), 3–7. doi: 10.24171/j.phrp.2020.11.1.02

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Fairmont Medical Products Pty Ltd is certified to ISO 13485: 2016