

Risk Considerations For The Use Of Unidirectional Airflow Devices In Microbiology Laboratories



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By

Aug 21, 2019 7:00 am EDT

Unidirectional airflow, as defined by the World Health Organization, is a rectified airflow over the entire cross-sectional area of a clean zone with a steady velocity and approximately parallel streamlines. Conventional unidirectional airflow systems, where an ISO 14644 class 5/ WHO and EU GMP Grade A condition is required, have a guidance airflow velocity of 0.36 to 0.54 m/s. This form of airflow contrasts to turbulent flow, which is air distribution that is introduced into the controlled space and then mixes with room air by means of induction (1). Such devices work using in-flow unidirectional...

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