

# Active air sampling vs passive air sampling

## Active air sampling

Shorter sampling time

Detects bacterial presence in low concentrations

Costs associated with equipment and personnel training

Allows for qualitative and quantitative analyses of the samples

Allows for collection and analysis of high number of samples throughout the facility

Air sampler draws in controlled volumes of air

## Passive air sampling

Longer sampling time, due to which agar might dry

Detects only the bacteria that sediments onto agar plates, and might miss bacteria present in lower concentrations

Lower cost associated with tests

Allows only qualitative analysis of the sample

Amount of samples are directly proportional to the number of petri dishes placed around the facility

Results are dependent upon air flow dynamics in and around test areas

# Advances In Air Sampling

**Patrick Vollmar**



## **Advances In Air Sampling:**

*Advances in Air Sampling* ACGIH, American Conference of Governmental Industrial Hygienists Staff, 1988-03-01

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**Advances in Automated Analysis** ,1972 Includes abstracts of the papers of the 1970 Technicon International Congress issued by the Technicon Corporation      Recent Advances in Occupational Health ,1981      **Advances in Large-Volume Air Sampling** Herbert M. Decker, Lee M. Buchanan, David E. Frisque, Melvin E. Filler, Charles M. Dahlgren, Fort Detrick (Frederick, Md.),1968 A review of the most recent advances in the field of large volume air sampling is provided The electrostatic precipitator the multi slit and the liquid scrubber large volume air samplers are discussed and data are presented on their effectiveness in recovering aerosols of *Serratia marcescens* and *B subtilis var niger* The authors conclude that much progress has been made recently and that air sampling equipment is now readily available that will remove a high percentage of ambient microorganisms in viable form from a large volume of air and in addition will concentrate them into a small volume of liquid      *Energy Research Abstracts* ,1977 Semiannual with semiannual and annual indexes References to all scientific and technical literature coming from DOE its laboratories energy centers and contractors Includes all works deriving from DOE other related government sponsored information and foreign nonnuclear information Arranged under 39 categories e g Biomedical sciences basic studies Biomedical sciences applied studies Health and safety and Fusion energy Entry gives bibliographical information and abstract Corporate author subject report number indexes      **Advances in Automated Analysis: Industrial analysis** ,1972

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