Viable Impactor, Six Stage

The World's Reference Bioaerosol Sampler is a multi-stage, multi-orifice cascade impactor designed to measure the concentration and particle size distribution of aerobic bacteria and fungi.

- Designed so that all particles collected, regardless of physical size, shape, or density, are aerodynamically sized and can be directly related to human lung deposition.
- Only Microbial Impactors with Verifiable Flow Rate

Product Detail

The Six Stage Viable Impactor is comprised of an aluminum inlet cone, six jet stages, glass petri dishes, and a base plate held together by three spring clamps and sealed with O-Ring gaskets. Each sampling stage has 400 precision machined jet orifices. The Six Stage Viable Impactor requires a flow rate of exactly 28.3 lpm (1 CFM).

The collection and assessment of aerosol samples is very simple. Petri dishes containing an agar medium appropriate for the micro-organisms that may be encountered are placed in the instrument and a sample of air is drawn. The petri dishes are then removed, incubated, and counted by an accepted method.

Features:

- The World's Reference Bioaerosol Sampler
- Cost Effective
- Longer Sampling Periods
- Ease of Operation: Calibration, Sterilization, and Setup
- Based on the Inertial Impaction Principle
- CFU's (Colony Forming Units) Easily Determined
- Only Microbial Impactors with Verifiable Flow Rate
- Flow Rate does not Jeopardize Collected Organisms
- Corrosion Resistant

Applications:

- Indoor Air Quality Studies
- Pharmaceutical Production
- Animal Care Laboratories
- Wastewater Treatment Plants
- Cosmetic Manufacturing
- Filter and Clean Room Efficiency Studies
- Brewery Fermentation
- Food Processing Area
- Hospital Environments
- Grain Processing and Transportation