



**New Star  
Environmental LLC**

"Providing Instrumentation for Air Quality"

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### Six Stage Viable Impactor

The Six Stage Bioaerosol Sampler is a multi-stage, multi-orifice cascade impactor that measures concentration and particle size distribution of aerosol-type bacteria and fungi in the ambient air.

The six stage viable impactor collects all particles, regardless of physical size, shape, or density. The particles are aerodynamically sized, there is a direct relationship to the penetration of the lung.

#### FEATURES

- Inspected by our advanced digital video optical comparator
- Cost effective
- Ease of operation: calibration, sterilization, and setup
- Based on the inertial impaction principle
- Visual verification of flow rate
- Corrosion resistant body

The Six Stage Viable Impactor has an aluminum inlet cone, six aluminum jet stages, glass Petri dishes, and an aluminum base plate held together by three spring clamps and sealed with o-ring gaskets. Each stage has 400 precision machined jet orifices. The Six Stage Impactor operates at a flow rate of exactly 28.3 lpm (1 CFM).

The collection and assessment of aerosol samples is quite simple - Petri dishes containing an agar medium are placed in the instrument and the sample of air is drawn. The Petri dishes are then removed, incubated and counted by an accepted method. New Star Environmental has a complete line of colony counters.

#### APPLICATIONS

- Indoor air quality studies
- Pharmaceutical production
- Animal laboratories
- Wastewater treatment plants
- Cosmetic manufacturing
- Filter and clean room efficiency studies
- Brewery fermentation
- Food processing areas
- Hospital environments
- Grain processing and transportation

#### LINK TO RELATED PRODUCTS

- [Colony Counter](#)

#### Product ID #:

- [view all](#)

#### Specifications:

<b>Height</b>	7.75" (19.7 cm)
<b>Diameter</b>	4.13" (10.5 cm)
<b>Net Weight</b>	2.75 lbs (1.25 kg)
<b>Pump Dimensions</b>	9.5" (24.1 cm) W x 5.5" (14 cm) H x 4.5" (11.4 cm) D
<b>Pump Weight</b>	8.6 lbs (3.9 kg)
<b>Flow Rate</b>	Calibrated for operation at 28.3 lpm (1 CFM)
<b>Carrying Case Dimensions</b>	22" (55.9 cm) W x 10" (25.4 cm) H x 5" (12.7 cm) D
<b>Carrying Case Weight</b>	8 lbs. (3.6 kg)