

BioCassette™

Impactor and Agar in a Single-use Disposable Cassette

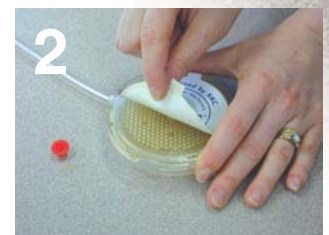
- No sterilization, preparation, cleaning, or disassembly
- Effectively collect and maintain viable samples
- Contamination eliminated – sterilized and sealed
- Small and lightweight, but rugged for shipping
- Compare performance to Anderson N-6†
- Advanced design for uniform airflow and lower stresses on particles
- Consistent fill volume and orifice plate-to-media distance



It's as easy as...



1 Remove red plug from cassette outlet and attach sampling pump.



2 Peel label off cassette and turn on sampling pump for desired sampling time.



3 Peel back off label and stick label onto BioCassette inlet. Disconnect pump and reattach red plug on cassette outlet.

The BioCassette Advantage

- ✓ **Reliability and simplicity:** A recent study† indicates no statistically significant difference in performance when compared to the Andersen N-6 Impactor. **The BIG difference is simplicity of design and operation.**
- ✓ **Time-saving and cost-effective:** Ready-to-use; no cleaning between samples; no sterilization required
- ✓ **Technologically advanced:** Tapered holes with curved profile achieve smooth acceleration of air and ensure a more uniform and consistent airflow. Gradual acceleration of air results in lower stresses on particles.
- ✓ **No external media exposure:** Sterilized, sealed, and minimal handling. Protects sample integrity from sampling through analysis.
- ✓ **Consistency:** Little variation in media fill volume and orifice plate-to-media distance.



Description

Simplify culturable air sampling by using the patented* BioCassette. BioCassette is a single-use, disposable sampler that combines an impactor and a petri dish containing agar into one unit. BioCassette simplifies the sampling process and protects the integrity of culturable samples from sampling to analysis.

BioCassette Technology

Unlike traditional impactors, the BioCassette inlet features tapered holes that have a curved profile in the form of a quarter ellipse. This gentle profile facilitates a smooth acceleration of air containing particles through each orifice and ensures a more consistent and uniform flow. The gradual acceleration of the air through the tapered holes results in lower stresses on particles.

BioCassettes Available without Agar—only from SKC!

Sterile BioCassettes are available without agar for complete flexibility. Fill with the agar appropriate to your sampling application.

* Patent No. 6,472,203, additional patents pending

† Georgianna, T., Purves, J., "Comparison of BioCassette and Anderson N6 – Side-by-side Simultaneous Sampling," Department of Natural Resources, King County, WA, April 23, 2003.

Performance Profile

Diameter:	95 mm (3.7 inches)
Media:	Integral petri dish pre-filled with malt extract agar (available without agar)
Jet classification stage:	342 tapered holes
Cassette material:	Molded hard plastic
Flow rate:	28.3 L/min
Sample pump:	Area sample pump (SKC 228-505 or equivalent)
Analysis:	Culture to determine total number of colony forming units (CFU/m ³), identification of genus/species of fungal spores, or total number of spores

For a list of laboratories that can analyze samples, visit the SKC website at www.skcinc.com. Click on Laboratories.

Ordering Information

Description	Cat. No.
BioCassettes , sealed, pre-filled with malt extract agar, 5 pk <i>Limited shelf-life</i>	225-9801
BioCassettes , without agar, 10 pk	225-9800

Accessories

Description	Cat. No.
BioCassette Calibration Adapter	225-9802
Tripod Stand , telescopes to 5 ft	225-9536
Tripod Adapter	225-9803

