

Gelatin Filters

For the Collection of Bioaerosols

- Unequaled bacteria retention levels as high as 99.9995% for *Bacillus subtilis niger*
- Designed specifically for the collection of bioaerosols
- Sterilized with gamma radiation
- High moisture content reduces microorganism desiccation
- Designed for collection and analysis of airborne microbes
- Helps increase survival of stress-sensitive microbes
- Suitable for isokinetic sampling of both bacteria and viruses
- Simple analysis techniques



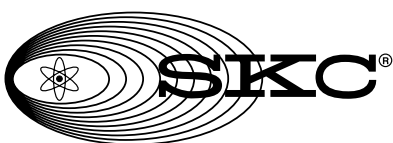
Description

SKC Gelatin Filters are suitable for the collection and analysis of airborne microbes. Gelatin filters not only reliably retain bacteria, but are also highly effective for the collection of viruses. Routinely used to quantitatively collect airborne microorganisms, gelatin filters have an inherent high moisture content that helps to prevent desiccation of captured microbes and maintain viability of stress-sensitive microorganisms during sampling. The gelatin material can be dissolved in a buffer or medium for easy detection of bacteria and viruses.

The ability of SKC Gelatin Filters to collect extremely low bacteria counts at high flow rates makes it one of the most efficient media to use for sampling bioaerosols.

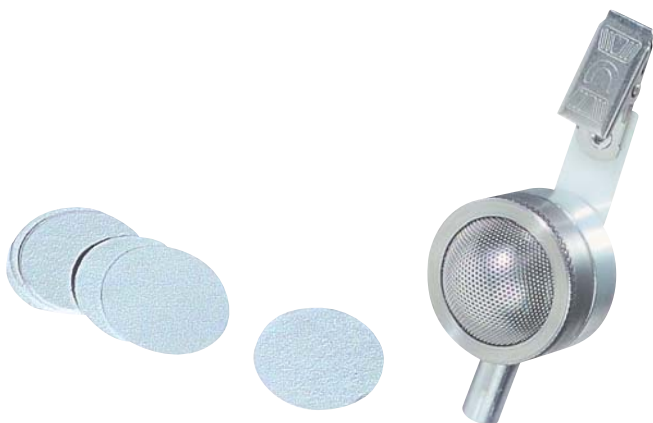
Applications

- Indoor Air Quality (IAQ)
- Outdoor environmental measurements
- Clean room monitoring
- Veterinary clinics
- Hospitals
- Pharmaceutical manufacturing
- Military



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Using Gelatin Filters with the SKC Button Sampler

Gelatin filters reliably retain bacteria and viruses and are routinely used to quantitatively collect airborne microorganisms. The gelatin's inherent high moisture content reduces desiccation of captured microbes and maintains viability of stress-sensitive microorganisms during sampling.

Performance Profile:

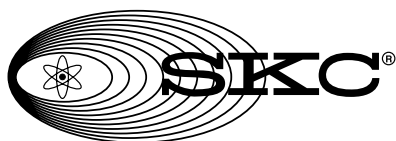
Material:	Water-soluble gelatin
Pore size:	While having a nominal pore size of 3.0 μm , a higher capture efficiency of sub-micron particles can be expected due to the separations that occur on the surface and within the filter. It is through inertial impaction and diffusional interception that these filters can remove particles much smaller than 3.0 μm .
Diameter:	25 mm or 37 mm
Thickness:	250 μm
Sterilization:	Sterilized by gamma radiation. Filters individually wrapped and packaged in units of five each in a polyethylene bag.
Storage:	Refrigerator (4 to 8 C) storage is recommended. Do NOT place in freezer. Caution: Avoid exposing filters to moisture, chemical vapors, and extreme temperatures.
Shelf-life:	3 years from date of manufacture
Analysis:	Indirect method. <i>Gelatin filters dissolve when placed on agar plates.</i>

Ordering Information

Description	Cat. No.
Gelatin Filters, water-soluble, 25-mm diameter, pk/50	225-9551*
Gelatin Filters, water-soluble, 37-mm diameter, pk/50	225-9552

* Recommended for use with the Button Sampler

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