

SKC

BioLite⁺ Air Sampling Pump BioSampler



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The SKC BioLite⁺ pump was specifically designed for use with the SKC BioSampler for sampling airborne biological hazards (e.g. fungal spores or bacteria) in the form of bio-aerosols. It has a high flow rate – up to 30 l/min – and has a back pressure gauge which indicates when sonic flow has been achieved. The BioLite⁺ pump allows you to sample onto a liquid media and is suitable for a wide range of applications, including:

- Indoor air quality testing
- Infection control (e.g. hospitals and vets)
- Infectious disease investigations
- Animal and human exposure/risk investigations
- Agriculture, horticulture, industry and environment e.g. composting, storage areas (wood, waste etc), manufacturing



Sampling with the BioSampler/BioLite

SKC's BioSampler and BioLite⁺ Air Sampling Pump are suitable for a range of environments from indoor air quality investigations to infection control in hospitals and veterinary clinics.

Their suitability extends to quantification of microorganisms in agriculture dust, biological research, infectious disease investigations in public buildings, safety concerns in food handling and workplace exposures in industries such as pulp/paper mills or wastewater treatment plants.

The SKC BioSampler is a bio-aerosol collection device resembling an impinger. The patented design allows high and constant collection efficiency of viable bio-aerosols for sample times of up to eight hours.

The BioSampler's three tangential nozzles act as critical orifices each allowing 4.2l/min ambient air to pass through for a total flow rate of approximately 12.5l/min.

SKC's patented swirling liquid method minimises re-aerosolisation. This also reduces particle bounce, thereby, preserving the microorganism integrity and viability.

The BioSampler can be used with nonevaporating collection liquids such as ViaTrap mineral oil, allowing constant collection efficiency over an 8 hour sampling period. Its all-glass construction allows easy cleaning, sterilising, autoclaving and re-use and samples can be analysed using a variety of methods.



Part Number	Description
228-9620	BioLite ⁺ Pump 0-62 l/min 230V (includes 3 pin UK and 2 pin EU Mains Leads)
228-9615	BioLite ⁺ Pump 0-62 l/min 120V (includes USA Mains Lead)
228-9611	BioSampler Mounting Bracket for BioLite+/BioLite Pump
225-9595	BioSampler 3 piece -inlet section, outlet section & collection vessel 20ml
225-9593	BioSampler 3 piece -inlet section, outlet section & collection vessel 5ml
225-9596	BioSampler Collection Vessel: Vessel and ground joint cap for collecting & transporting samples 20ml
225-9596A	BioSampler Collection Vessel: Vessel and ground joint cap for collecting & transporting samples 5ml
225-9598A	ViaTrap Collection Media:Special mineral oil for sampling. 120ml
225-9598	ViaTrap Collection Media:Special mineral oil for sampling. 500ml
225-9599	ViaTrap Collection Media:Special mineral oil for sampling. 950ml
225-9597	BioSampler Mini Kit: 1 x BioSampler, 2 x 20ml collection vessels with caps, 1 x BioSampler case with mounting rod and 1 x ViaTrap (120ml) * Other kits are available, please contact us.



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