



SAMPLING SOLUTIONS

For Health Care

Recognition

Workers in hospitals, medical and veterinary clinics, and other health care facilities can be exposed to both chemical and biological hazards. Chemical hazards include anesthetic gases such as halothane and isoflurane, sterilants including ethylene oxide and glutaraldehyde, and solvents such as formaldehyde. Biological hazards include known strains of bacteria, fungi, and viruses along with newer pathogens such as MRSA.

SKC offers active and passive sampling solutions for these gases and other compounds present in the health care workplace. SKC active samplers require an air sample pump to collect hazardous gases and vapors in air; passive samplers collect hazardous vapors by diffusion without the use of an air sample pump.

See the SKC equipment recommended for sampling:

- Halogenated anesthetic gases (isoflurane, halothane, desflurane, enflurane, and sevoflurane)
- Ethylene oxide
- Nitrous oxide
- Peracetic acid (PAA)

See [Sampling Solutions for Formaldehyde](#) and [Sampling Solutions for Mold and Other Bioaerosols](#), SKC Publications 1906 and 1847.

Evaluation with SKC Sampling Solutions

For over 50 years, SKC has led the research, design, and manufacture of quality sampling equipment and media to aid health and safety professionals in the evaluation of occupational and environmental hazards.

Choose from the many SKC sampling solutions for health care, including air sample pumps, active and passive samplers, sample bags, and sorbent tubes following agency methods and established protocols.

See reverse side for specific method and sampling equipment/media information.

Notice: This publication is intended for general information only and should not be used as a substitute for reviewing applicable government regulations, equipment operating instructions, or legal standards. The information contained in this document should not be construed as legal advice or opinion nor as a final authority on legal or regulatory procedures.

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724-941-9701

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434-352-7149

SKC West
714-992-2780

Sample Collection

Active Air Sampling Solutions

| Target Compound | Select Methods* | SKC Sample Collection Media and Cat. No. | SKC Sample Pump and Cat. No. | Notes |
|------------------------------|--|---|---|--|
| Ethylene oxide | NIOSH 3702 | Tedlar® sample bag 232 Series | Pocket Pump TOUCH 220-1000TC | |
| | OSHA 1010 | Sorbent tube 226-178 | | |
| Halogenated anesthetic gases | OSHA 29 | Sorbent tube 226-01 | Pocket Pump TOUCH 220-1000TC | For halothane and enflurane, two tubes in series |
| | OSHA 103 and 106 | Sorbent tube 226-81A | | |
| Nitrous oxide | NIOSH 6600 | Tedlar sample bag 231-05 | Pocket Pump TOUCH 220-1000TC | |
| Peracetic acid (PAA) | INRS | Preloaded filter cassette 225-9030 with sorbent tube 226-193-UC or 226-199-UC | AirChek® TOUCH 220-5000TC | For simultaneous collection of PAA and hydrogen peroxide |

Passive Air Sampling Solutions

| Target Compound | Select Methods*/ SKC Validation | SKC Sample Collection Media and Cat. No. | Notes |
|------------------------------|--------------------------------------|--|-------|
| Ethylene oxide | Research Report 1543 | Ethylene Oxide Passive Sampler 575-005 | |
| Halogenated anesthetic gases | Research Report 1893 | VOC Chek® 575-002 | |

* Other methods may apply. SKC recommends those listed.

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