



# SAMPLING SOLUTIONS

## For Formaldehyde

### Recognition

Workers in many industries may be exposed to formaldehyde and other aldehydes such as glutaraldehyde and acetaldehyde. Workplace exposure is particularly common in hospitals, medical and veterinary facilities, hair salons, furniture and wood board industries, and garment industries. Exposure to formaldehyde can cause mild to severe health problems. In 2004, the International Agency for Research on Cancer (IARC) classified formaldehyde as a known human carcinogen.

SKC offers active and passive sampling solutions for collecting formaldehyde and other aldehydes for industrial hygiene and environmental applications. SKC active samplers require an air sample pump to collect hazardous gases, vapors, and particulates in air; passive samplers collect hazardous vapors by diffusion without the use of an air sample pump.

***See the SKC equipment recommended for sampling formaldehyde and other aldehydes.***

### 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 SKC sampling solutions for formaldehyde and other aldehydes, including air sample pumps, active and passive samplers, sorbent tubes, and filter cassettes 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.

**www.skcinc.com**  
**SKC Inc.**  
724-941-9701

**SKC South**  
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	
Acetaldehyde	<a href="#">ASTM D5197</a>	Sorbent tube <a href="#">226-120</a> or <a href="#">226-119</a>	<a href="#">AirChek® TOUCH</a> 220-5000TC or <a href="#">Pocket Pump TOUCH</a> 220-1000TC	226-120 has ozone scrubber	
	<a href="#">NIOSH 2538</a>	Sorbent tube <a href="#">226-27</a>			
	<a href="#">NIOSH 2539</a>	Sorbent tube <a href="#">226-118</a>		Suitable for occupational levels	
	<a href="#">NIOSH 3507</a>	Midget impinger <a href="#">225-36-2</a> and impinger trap <a href="#">225-22</a>			
Formaldehyde	<a href="#">OSHA 68</a>	Sorbent tube <a href="#">226-27</a>			
	<a href="#">ASTM D 5197</a> , <a href="#">EPA TO-11A</a> , <a href="#">EPA IP-6A</a>	Sorbent tube <a href="#">226-119</a> , <a href="#">226-119-7</a> , or <a href="#">226-120</a>		226-119-7 has a larger outer diameter to reduce pressure drop; 226-120 has ozone scrubber. Suitable for ambient or indoor air	
	<a href="#">NIOSH 2016</a>	Sorbent tube <a href="#">226-119</a>		AirChek TOUCH offers the option of higher flow rates. This NIOSH method is very sensitive.	
	<a href="#">NIOSH 2539</a> <a href="#">NIOSH 2541</a>	Sorbent tube <a href="#">226-118</a>		Suitable for occupational levels	
	<a href="#">NIOSH 3500</a>	Two impingers <a href="#">225-36-1</a> , trap <a href="#">225-22</a> , PTFE filter <a href="#">225-1709</a> , and screen <a href="#">225-26</a>		Most sensitive NIOSH method, best suited for area samples	
	<a href="#">OSHA 52</a>	Sorbent tube <a href="#">226-54</a> or <a href="#">226-117</a>		226-117 for TWAs and 226-54 for STEL sampling	
	Formaldehyde on dust	<a href="#">NIOSH 5700</a>	IOM Sampler <a href="#">225-70A</a> with PVC filter <a href="#">225-5-25</a>	<a href="#">AirChek TOUCH</a> 220-5000TC	For textile or wood dust
	Glutaraldehyde	<a href="#">NIOSH 2531</a>	Sorbent tube <a href="#">226-118</a>	<a href="#">Pocket Pump TOUCH</a> 220-1000TC	
<a href="#">NIOSH 2532</a>		Sorbent tube <a href="#">226-119</a>			
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<a href="#">OSHA 64</a>		Preloaded coated filter cassette <a href="#">225-9003</a>	<a href="#">AirChek TOUCH</a> 220-5000TC		

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## Passive Air Sampling Solutions

Target Compound	Select Methods*/SKC Validation	SKC Sample Collection Media and Cat. No.	Notes
Formaldehyde and other aldehydes	<a href="#">OSHA 1007</a> <a href="#">EPA IP-6C</a> <a href="#">EPA TO-11A/</a> <a href="#">Research Report 1608</a>	UME <sup>x</sup> 100 <a href="#">500-100</a>	U.S. OSHA requires active sampling when the source of formaldehyde is formalin.

\* Other methods may apply. SKC recommends those listed.

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