

SAMPLING SOLUTIONS

For Lead Testing

Recognition

An estimated 804,000 workers in general industry and another 838,000 workers in construction are potentially exposed to lead as a result of the production, use, maintenance, recycling, and disposal of lead material and products. Exposure to lead can cause a variety of ailments, including neurological and gastrointestinal effects, anemia, and kidney disease. OSHA established a PEL of $50 \mu\text{g}/\text{m}^3$ for an 8-hour TWA and an action level of $30 \mu\text{g}/\text{m}^3$ for workers covered by OSHA lead standards.[†]

SKC offers solutions for sampling lead in workplace air and on workplace surfaces. SKC active samplers require an air sample pump to collect hazardous gases, vapors, and particulates in air; lead-specific swabs and wipes sample lead on skin and surfaces with results indicated by color; and other wipes collect lead and other toxic material from surfaces.

See the SKC equipment recommended for sampling lead.

[†] See www.osha.gov, Safety and Health Topics.

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 several SKC sampling solutions for lead testing, ranging from air sample pumps and filter cassettes to surface and dermal wipes following agency methods and established protocols.

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

Sample Collection

Active Air Sampling Solutions

Target Compound	Select Methods*	SKC Sample Collection Media and Cat. No.	SKC Sample Pump and Cat. No.	Notes
Lead	NIOSH 7082 NIOSH 7105 NIOSH 7300 NIOSH 7701 NIOSH 7702 OSHA ID 121 OSHA ID 125G OSHA ID 206	Preloaded MCE filter cassette 225-3-01	AirChek® TOUCH 220-5000TC	
	NIOSH 7301	Preloaded MCE filter cassette 225-3-01 or preloaded PVC filter cassette 225-803		Method allows for MCE or PVC filter.
	NIOSH 7306	Preloaded Solu-CAP® MCE filter cassette 225-8517		Method specifies internal capsule sampler SKC Solu-CAP.

Surface or Dermal Wipe Sampling Solutions

Target Compound	Select Methods*/ SKC Validation	SKC Sample Collection Media and Cat. No.	Notes
Lead	ASTM E1792 NIOSH 9102 OSHA 125G	Ghost Wipes 225-2414 with template 225-2415	
	NIOSH 9105	Full Disclosure Kit 550-001 or 550-002	Colorimetric wipe for skin or surfaces
	OSHA ID 121	Smear Tabs 225-24	
	Various	Wipe Sample Test Kit 225-2401A	General supplies for wipe testing for many applications

* Other methods may apply. SKC recommends those listed.

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