



Analyzing the World™

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Microscopy & Microbiology

Reference Guide

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ISO/IEC 17025:2017 Certified Laboratory



Asbestos, Bacteria and Mold Reference Guide

Analysis	STD. TAT	Collection Media	Method	Flow Rate (LPM)	Volume (Liters)	Profile/Notes
Asbestos - PCM						
Phase Contrast Microscopy (PCM)	5 Day	25 mm 0.8 µm MCE	NIOSH 7400	0.5 - 16	400 L	
Asbestos - PLM						
Polarized Light Microscopy (PLM)	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93/120 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
PLM with 400 Point Count	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93/116 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
PLM with 1000 Point Count	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93/117 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
PLM CARB 435 (400 pt count)	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93/118 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
PLM CARB 435 (1000 pt count)	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93/119 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
PLM Fibers and Minerals	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93/120 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
PLM (Qualitative Only)	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93/120 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
PLM Vermiculite	5 Day	N/A	EPA 600/R-04-004	N/A	N/A	Cincinnati Float Method
New York State Friable Samples	5 Day	N/A	EPA 600/M4-82-020	N/A	N/A	

Analysis	STD. TAT	Collection Media	Method	Flow Rate (LPM)	Volume (Liters)	Profile/Notes
New York State NOB Samples	5 Day	N/A	NY ELAP 198.6	N/A	N/A	
Gravimetric Prep. Reduction	5 Day	N/A	EPA 600/M4-82-020 EPA 600/R-93-116 40 CFR Appendix E to Subpart E of Part 763	N/A	N/A	
Asbestos - TEM						
TEM 7402	5 Day	25 mm 0.8 µm MCE	NIOSH 7402	0.5-16	400	Send Out
TEM Ahera Level II	5 Day	25 mm 0.45 µm MCE	40 CFR 763 (AHERA)	4-10	1200	Send Out
TEM Bulk (Chatfield)	5 Day	N/A	EPA 100.2	N/A	N/A	Send Out
TEM Dust (ASTM 5755)	5 Day	25 mm 0.45 µm MCE	ASTM D 5755	N/A	N/A	Send Out
TEM Indirect	5 Day	25 mm 0.45 µm MCE	40 CFR 763 (AHERA)	4-10	1200	Send Out
TEM Waste Water	5 Day	1L Bottle	EPA 100.2	N/A	N/A	Send Out
TEM Drinking Water	5 Day	1L Bottle	EPA 100.2	N/A	N/A	Send Out 48hr Holding Time
Bacteria						
E. Coli / Total Coliform Qualitative & Quantitative	5 Day	100mL Sterile Bottle (Na ₂ S ₂ O ₃)	SM 9223 Colilert MPN & P/A	N/A	N/A	DW - 30 hour holding Time
Mold						
Mold - Direct Exam	5 Day	Mold Air Cassette	Microscopy Direct Exam	15	150	
Mold - Direct Exam	5 Day	Tape, Swab, Bulk	Microscopy Direct Exam	N/A	N/A	
Allergen - Direct Exam	5 Day	Mold Air Cassette	Microscopy Direct Exam	15	150	Analysis for dust mites, pollen, particulates, insect fragments, fibers and hair
Allergen - Direct Exam	5 Day	Tape, Swab, Bulk	Microscopy Direct Exam	N/A	N/A	



Sampling Media

Call for Pricing and Availability

Media	ID #	Media Description	Index
Cassettes / Metals			
37mm MCEF		Lead / Metals	
37mm MW		Matched Weighed	
37mm UNW		Unweighed PVC	
37mm PW PVC		Pre-Weighed PVC 2pc	
37mm PW PVC		Pre-Weighed Plc. 3pc	
Cassettes / Asbestos			
25mm MCEF		PCM Asbestos	
25mm MCEF		TEM Asbestos	
Cassettes			
37mm GFF	225-7	Coal Tar Pitch	
37mm MCE Tr (sodium carbonate)	225-9001		
37mm GFF Tr (1-2pyrdl(peperazine))	225-9002	Isocyanates	Refrigerated
37mm GFF Tr(2,4,dinitrophenylhydrazine))	225-9003	Gluderaldehyde	Refrigerated
37mm FG G Tr(Sulfuric Acid)	225-9004		
37mm MCE Tr (sodium carbonate)	225-9005	MDA	
37mm Teflon	225-9006	Chlorine	
37mm GFF Tr (mercuric acetate)	225-9007	Mercaptan	Refrigerated
37mm GFF (nitrate impregnated)	225-9014	Ozone	
Stainless Steel Back Up Pad	225-26	Carbon Black	
Swinex	225-32 + 226-39 Fl. Tube	PCB kit	
37mm 2ug PTFE Filter	225-17-07		
37mm 1.0ug PTFE Filter	225-17-01		
25mm PTFE Washed Filter	225-1708 + 225-3-25		
Mold			
Air-o-Cell Cassette	Zefon AOC010	Mold	
Bio-Tape	Zefon BT0025	Mold	

Media	ID #	Media Description	Index
Filters			
TSP Filters			
TSPW Filters (weighed)			
PM 10 Filters			
PW Whattman Filters			
Badges			
Passive Sampler	500-100	UMEX Formaldehyde	
3M 3500		3M 3500 Badge	
3M 3520		3M 3520 Badge	
3M 3551 (ethylene Oxide)		3M 3551 Badge	
Mercury Badge Holder		Mercury Badge Holder	
Mercury Badge		Mercury Badge	
OVM Badge		OVM Badge (charcoal)	
OVM Badge		OVM Badge (Anasorb 747)	
Tubes			
Small Charcoal Tube	226-01		
Lg. Charcoal Tube	226-09		
Silica Gel Tube (75/150)	226-10		
Silica Gel Tube specially clean	226-10-03		
Silica Gel Tube (150/300)	226-10-04		
Silica Gel Tube (sulfuric acid)	226-10-06		Limited Shelf Life
Silica Gel Tube (260/520)	226-15		
Sorbent Tube	226-17-1A	For Mercury	
XAD (2-hydroxymethylpiperidine)	226-27		Limited Shelf Life
Soda lime Tube	226-28		
Anasorb 747 (sulfuric acid)	226-29		Limited Shelf Life
XAD-2 Tube (40-80)	226-30		
XAD-2 Tube (set of 2)	226-30-02		
XAD-2 Tube (50/100)	226-30-04		
XAD-2 Tube (p-anisidine)	226-30-07		
Anasorb 708	226-30-08		
XAD-2 Tube/GFF (OVS)	226-30-16		Limited Shelf Life
XAD-2 Tube	226-30-18		Limited Shelf Life

Media	ID #	Media Description	Index
Tenax Tube (10/20)	226-35-01		Limited Shelf Life
Charcoal Tub, JXC	226-36		
Anasorb CSC, Charcoal Tube	226-37	set of 2	
Treated Charcoal Tube	226-38-03		Refrigerated
Florisil Tube	226-39		
NO/NO2 Tubes (set of 30)	226-40		Refrigerated
NO2 Tubes Only	226-40-02	NO2 Tube	Limited Shelf Life
Gas Chrom-R Tube (sulfuric acid)	226-42-02	Gas Chrom-R	Limited Shelf Life
Drying Tube	226-44	Drying Tube	
Silica Gel Tube (50/100)	226-51	Silica Gel	
XAD-2 Tube (2 hydroxymethyl	226-54	XAD-2	Limited Shelf Life
Tenax Tub / GFF (OVS)	226-56	Tenax / GFF (OVS)	Limited Shelf Life
XAD-7/GFF (OVS)	226-57	XAD-7/GFF (OVS)	Limited Shelf Life
XAD-2/Quartz Filter (OVS)	226-58	XAD-2/Quartz Filter(OVS)	Limited Shelf Life
Coconut CT (potassium hydroxide)	226-67	Coconut CT	Limited Shelf Life
Coconut CT (t-butylcatechol)	226-73	Coconut CT	Limited Shelf Life
Anasorb 747 (potassium hydroxide)	226-80	Anasorb 747	Limited Shelf Life
Anasorb 747 (70/140)	226-81A	Anasorb 747	
Anasorb 747 (200/400)	226-83	Anasorb 747	
XAD-7 (50/100)	226-95	XAD-7 (50/100)	
XAD-7 (chloride)	226-96	XAD-7	Limited Shelf Life
XAD-7 (1) specially cleaned (2) regular (set of 3 tubes)	226-97	XAD-7	
XAD-7 (phosphoric acid)	226-98	XAD-7	Limited Shelf Life
Chromosorb-102	226-107	Chromosorb-102	
Chromosorb-106	226-111A	Chromosorb-106	
Porapak-Q	226-115	Porapak-Q	
XAD-2 (2-hydroxymethylpiperidine)	226-117	XAD-2 Lg.	Limited Shelf Life
XAD-2 (2-hydroxymethylpiperidine)	226-118	XAD-2 Sm.	Limited Shelf Life
Silica Gel (2,4 dinitrophenylhydrazine)	226-119	Silica Gel	Refrigerated
Anasorb (75/150)	226-121	Anasorb (75/150)	
Orbo 34	20211	Orbo 34	
Orbo 43	20258	Orbo 43	
Orbo 49P	20350	Orbo 49P	
Orbo 53	20365	Orbo 53	
Orbo 90	20358	Orbo 90	
Orbo 92	20362	Orbo 92	

Media	ID #	Media Description	Index
BAGS			
Tedlar Bags	233-01B	Tedlar Bags	
3x5		3x5 sample bag (Qty 100)	
4x6		4x6 sample bag (Qty 100)	
12x12		12x12 sample bag(Qty 100)	
Wipes			
ASTM Ghost Wipes		ASTM Ghost Wipes	
Whatman Filters		Whatman Filters	
Spike Wipes		Spike Wipes (200 mic.)	
PCB Wipe Kit	In House	Watt. Filter/Hex. Scint. Via	
Containers			
Plastic Bottle		125ml	
Plastic Bottle		250ml	
Plastic Bottle		500ml	
Plastic Bottle		1000ml	
Amber Liter		1L	
Clear wm jar		4oz	
Clear wm jar		8oz	
Scintillation Vials		Scintillation Vials	
50ml Centrifuge Tubes		Lead Centrifuge tubes	
40 ml Amber VOA Unpr.		40ml Unpreserved	
40ml Amber VOA Pres.		40ml HCL Preserved	
40ml Clear Voa unpr.		40ml Unpreserved	
40ml Clear Voa Pres.		40ml Preserved	
Gloves			
S. Powder Free Gloves		SM (100 ea. Box)	
Lg. Powder Free Gloves		Lg (100 ea. Box)	
XL Powder Free Gloves		XL (100 ea. Box)	